

**БИБЛИОГРАФИЧЕСКИЙ УКАЗАТЕЛЬ
РАБОТ СОТРУДНИКОВ
ОБЪЕДИНЕННОГО ИНСТИТУТА
ЯДЕРНЫХ ИССЛЕДОВАНИЙ**

Часть LX
2020

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OF PAPERS PUBLISHED
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НАУЧНО-ТЕХНИЧЕСКАЯ БИБЛИОТЕКА

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С 1 Математика/Mathematics

1. **Busa Jr., J.** PBCAVE: Program for Exact Classification of the Mesh Points of a Protein with Possible Internal Cavities and Its Application to Poisson–Boltzmann Equation Solution / J.Busa Jr., J.Busa, E.Ayryan, S.Hayryan, C.-K.Hu, I.Pokorny, J.Skrivanek // Computer Physics Communications [Electronic resource]. – 2020. – Vol.250. – p.107003. - Bibliogr.:37. <https://doi.org/10.1016/j.cpc.2019.107003>
2. **Chushnyakova, M.V.** Computer Simulating of Nanoprocesses: Thermal Jumps Over a Barrier in the Overdamped Regime / M.V.Chushnyakova, I.I.Gontchar, R.A.Kuzyakin // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1546. – p.012115. - Bibliogr.:22. <https://doi.org/10.1088/1742-6596/1546/1/012115>
3. **Fedorov, A.V.** Application of a Numerical-Analytical Approach in the Process of Modeling Differential Equations in the Julia Language / A.V.Fedorov, A.O.Masolova, A.V.Korolkova, D.S.Kulyabov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1694. – p.012026. - Bibliogr.:9. <https://doi.org/10.1088/1742-6596/1694/1/012026>
4. **Айриян, Александр Сержикович.** Численное моделирование тепловых процессов в ячейках подачи молекул в источник ионов : автореф. дис... канд. физ.-мат. наук: 05.13.18 / Александр Сержикович Айриян. – Дубна : ОИЯИ, 2020. – 28 с. : цв. ил. – (ОИЯИ ; 11-2020-30). - Библиогр.: с. 24-28. http://inis.jinr.ru/sl/NTBLIB/ayriyan_synopsis.pdf
5. **Дедович, Т.Г.** Критерии восстановления фракталов и подавления фоновых событий SePaC-методом / Т.Г.Дедович, М.В.Токарев. – Дубна : ОИЯИ, 2020. – 23 с. – (ОИЯИ ; P10-2020-15). - Библиогр.: 26. [http://www1.jinr.ru/Preprints/2020/015\(P10-2020-15\).pdf](http://www1.jinr.ru/Preprints/2020/015(P10-2020-15).pdf)
6. **Дикусар, Н.Д.** Полиномиальный прогноз на трехточечных сетках / Н.Д.Дикусар. – Дубна : ОИЯИ, 2020. – 18 с. : ил. – (ОИЯИ ; P5-2020-1). - Библиогр.:10. [http://www1.jinr.ru/Preprints/2020/001\(P5-2020-1\).pdf](http://www1.jinr.ru/Preprints/2020/001(P5-2020-1).pdf)
7. **Корняк, В.В.** Вычисление неприводимых разложений перестановочных представлений сплетений конечных групп / В.В.Корняк // Журнал вычислительной математики и математической физики. – 2020. – Т.60, №1. – с.96-108. - Библиогр.:15. <http://dx.doi.org/10.1134/S0965542520010108>
8. **Перепелкин, Е.Е.** Точно решаемые модели для первого уравнения Власова / Е.Е.Перепелкин, А.Д.Коваленко, Р.В.Полякова, Е.Шерханов [и др.] // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №5. – с.1025-1134. - Библиогр.:58. http://www1.jinr.ru/Pepan/v-51-5/03_Perepelkin.pdf

9. **Сапожников, Андрей Александрович.** Моделирование магнитных систем методом объемных интегральных уравнений с кусочно-линейной аппроксимацией поля внутри ферромагнетика : автореф. дис... канд. физ.-мат. наук: 05.13.18 / Андрей Александрович Сапожников. – Дубна : ОИЯИ, 2020. – 21 с. : цв. ил. – (ОИЯИ ; 11-2020-29). - Библиогр.: с. 20-21.

http://inis.jinr.ru/sl/NTBLIB/Sapozhnikov_AA_aut.pfg

10. **Саркисян, Л.А.** Модулярная группа и гиперболический бета-интеграл / Л.А.Саркисян, В.П.Спиридонов // Успехи математических наук. – 2020. – Т.75, №3. – с.187-188. - Библиогр.:4.

<https://doi.org/10.4213/rm9951>

11. **Сердюкова, С.И.** Моделирование динамических процессов в длинных джозефсоновских переходах. Проблема вычисления вольт-амперных характеристик. Оценки скорости роста ошибок округления для разностной схемы второго порядка точности / С.И.Сердюкова // Журнал вычислительной математики и математической физики. – 2020. – Т.60, №1. – с.159-166. - Библиогр.:7.

<http://dx.doi.org/10.1134/S0965542519120157>

С 3 Физика/Physics

12. **Bilenky, S.M.** Bruno Pontecorvo: Pioneer of Neutrino Oscillations / S.M.Bilenky // VIII International Pontecorvo Neutrino Physics School, Sinaia, Romania, Sept.1-10, 2019 : Proceedings of Student Poster Session / International Pontecorvo Neutrino Physics School (8; 2019; Sinaia) ; Ed.: F.Simkovic. – Dubna : JINR, 2020. – p.23-35. – Bibliogr.:10. – (JINR ; E1,2,4-2020-16).
13. **Адамян, Г.Г.** Дойти до самой сути... / Г.Г.Адамян // Вадим Васильевич Волков: Воин. Гражданин. Ученый / Ред.: Ю.Ц.Оганесян, С.Н.Дмитриев ; Ред.-сост.: Е.Молчанов. – Дубна : ОИЯИ, 2020. – с.96-99.
14. **Антоненко, Н.В.** Вадим Васильевич в моей жизни / Н.В.Антоненко // Вадим Васильевич Волков: Воин. Гражданин. Ученый / Ред.: Ю.Ц.Оганесян, С.Н.Дмитриев ; Ред.-сост.: Е.Молчанов. – Дубна : ОИЯИ, 2020. – с.99-102.
15. **Артюх, А.Г.** Из воспоминаний / А.Г.Артюх // Вадим Васильевич Волков: Воин. Гражданин. Ученый / Ред.: Ю.Ц.Оганесян, С.Н.Дмитриев ; Ред.-сост.: Е.Молчанов. – Дубна : ОИЯИ, 2020. – с.102-104.
16. **Богданова, Л.Н.** Памяти Леонида Ивановича Пономарева / Л.Н.Богданова, С.И.Виницкий, Д.Л.Демин, Д.И.Казаков, В.И.Коробов, В.А.Матвеев, В.С.Мележик, Ю.Ц.Оганесян [и др.] // Успехи физических наук. – 2020. – Т.190, №4. – с.447-448. <https://doi.org/10.3367/UFNr.2020.03.038739>
17. **Боголюбов, Н.Н.** Предисловие : по материалам "Краткого очерка научной и научно-организационной деятельности" / Н.Н.Боголюбов, И.М.Франк, Н.Н.Говорун, Л.С.Ажгирей // Михаил Григорьевич Мещеряков. Портрет на фоне эпохи : к 110-летию со дня рождения. – Ярославль : РМП, 2020. – с.4-5.
18. **Будагов, Ю.А.** Сотрудничество ОИЯИ с научными учреждениями Республики Белоруссии в области сверхпроводящих ускорительных резонаторов / Ю.А.Будагов, Г.В.Трубников, Г.Д.Ширков, М.А.Батурицкий, М.В.Богданович, Ю.А.Курочкин, В.Г.Залесский, С.Я.Килин, Н.С.Азарян. – Дубна : ОИЯИ, 2020. – 22 с. : ил. – (ОИЯИ ; P9-2020-22). – Библиогр.:49. [http://www1.jinr.ru/preprints/2020/022\(P9-2020-22\).pdf](http://www1.jinr.ru/preprints/2020/022(P9-2020-22).pdf)
19. **Волков, В.В.** Как сливаются атомные ядра [Дубна: наука, содружество, прогресс. 2005. 28 янв.] / В.В.Волков // Вадим Васильевич Волков: Воин. Гражданин. Ученый / Ред.: Ю.Ц.Оганесян, С.Н.Дмитриев ; Ред.-сост.: Е.Молчанов. – Дубна : ОИЯИ, 2020. – с.88-91.
20. **Каландаров, Ш.А.** Учиться и науке, и жизни... / Ш.А.Каландаров // Вадим Васильевич Волков: Воин. Гражданин. Ученый / Ред.: Ю.Ц.Оганесян, С.Н.Дмитриев ; Ред.-сост.: Е.Молчанов. – Дубна : ОИЯИ, 2020. – с.108-110.
21. **Колесова, Н.С.** Наш дорогой Вадим Васильевич / Н.С.Колесова, И.В.Колесов // Вадим Васильевич Волков: Воин. Гражданин. Ученый / Ред.: Ю.Ц.Оганесян, С.Н.Дмитриев ; Ред.-сост.: Е.Молчанов. – Дубна : ОИЯИ, 2020. – с.125-126.

22. **Молчанов, Е.** Творческая работа - лучший жизненный эликсир [Дубна: наука, содружество, прогресс. 2013. 8 февр.] / Е.Молчанов // Вадим Васильевич Волков: Воин. Гражданин. Ученый / Ред.: Ю.Ц.Оганесян, С.Н.Дмитриев ; Ред.-сост.: Е.Молчанов. – Дубна : ОИЯИ, 2020. – с.83-84.
23. **Насиров, А.К.** Счастье быть рядом / А.К.Насиров // Вадим Васильевич Волков: Воин. Гражданин. Ученый / Ред.: Ю.Ц.Оганесян, С.Н.Дмитриев ; Ред.-сост.: Е.Молчанов. – Дубна : ОИЯИ, 2020. – с.104-107.
24. **Оганесян, Ю.Ц.** Пролог. Слово о герое нашего времени / Ю.Ц.Оганесян, В.А.Щеголев // Вадим Васильевич Волков: Воин. Гражданин. Ученый / Ред.: Ю.Ц.Оганесян, С.Н.Дмитриев ; Ред.-сост.: Е.Молчанов. – Дубна : ОИЯИ, 2020. – с.3-5.
25. **Петрухина, П.С.** Эксперимент в физике высоких энергий как гетерогенная сеть переводов интересов: акторно-сетевой анализ / П.С.Петрухина, В.С.Пронских // Вопросы философии. – 2020. – №11. – с.97-108. - Библиогр.:с.107-108. – Содер.:История межд.науч.сотруд. 1970-1980 гг. между ОИЯИ и Нац.ускорительной лабораторией им.Э.Ферми.
http://inis.jinr.ru/sl/NTBLIB/Vop-phil_2020-11.pdf
26. **Тер-Акопьян, Г.М.** У истоков актуального направления ядерной физики / Г.М.Тер-Акопьян // Вадим Васильевич Волков: Воин. Гражданин. Ученый / Ред.: Ю.Ц.Оганесян, С.Н.Дмитриев ; Ред.-сост.: Е.Молчанов. – Дубна : ОИЯИ, 2020. – с.91-96.
27. **Черепанов, Е.А.** В коллективе царя творческая атмосфера / Е.А.Черепанов // Вадим Васильевич Волков: Воин. Гражданин. Ученый / Ред.: Ю.Ц.Оганесян, С.Н.Дмитриев ; Ред.-сост.: Е.Молчанов. – Дубна : ОИЯИ, 2020. – с.110-113.

**С 31 Системы единиц. Фундаментальные физические константы /
System of Units. Physical constants**

28. **Patra, S.** Proton-Electron Mass Ratio from Laser Spectroscopy of HD⁺ at the Part-Per-Trillion Level / S.Patra, V.Korobov [et al.] // Science. – 2020. – Vol.369, No.6508. – p.1238-1241. - Bibliogr.:29.

<https://doi.org/10.1126/science.aba0453>

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29. **Acero, M.A.** Search for Multimessenger Signals in NOvA Coincident with LIGO/Virgo Detections / M.A.Acero, V.Allakhverdian, N.Anfimov, A.Antoshkin, N.Balashov, I.Kakorin, O.Klimov, L.Kolupaeva, Ch.Kullenberg, A.Olshevskiy, O.Petrova, O.Samoylov, A.Sheshukov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.11. – p.112006. - Bibliogr.:51.
<https://doi.org/10.1103/PhysRevD.101.112006>
30. **Adamian, G.G.** On the Evolution of Compact Binary Black Holes / G.G.Adamian, N.V.Antonenko, H.Lenske, V.V.Sargsyan // International Journal of Modern Physics E [Electronic resource]. – 2020. – Vol.29, No.12. – p.2050094. - Bibliogr.:10.
<https://doi.org/10.1142/S0218301320500949>
31. **Agnes, P.** Effective Field Theory Interactions for Liquid Argon Target in DarkSide-50 Experiment / P.Agnes, K.Fomenko, O.Gorchakov, M.Gromov, D.Korablev, O.Samoylov, A.Sheshukov, O.Smirnov, A.Sotnikov, A.Vishneva [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.6. – p.062002. - Bibliogr.:41.
<https://doi.org/10.1103/PhysRevD.101.062002>
32. **Arbuzov, A.B.** Reduced Conformal Geometrodynamics / A.B.Arbuzov, A.E.Pavlov // International Journal of Modern Physics A [Electronic resource]. – 2020. – Vol.35, No.2/3. – p.2040023. - Bibliogr.:5.
<https://doi.org/10.1142/S0217751X20400230>
33. **Arnaud, Q.** First Germanium-Based Constraints on Sub-MeV Dark Matter with the EDELWEISS Experiment / Q.Arnaud, D.Filosofov, S.Rozov, E.Yakushev [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.14. – p.141301. - Bibliogr.:36.
<https://doi.org/10.1103/PhysRevLett.125.141301>
34. **Bauswein, A.** Equation of State Constraints from the Threshold Binary Mass for Prompt Collapse of Neutron Star Mergers / A.Bauswein, S.Blacker, D.B.Blaschke [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.14. – p.141103. - Bibliogr.:162.
<https://doi.org/10.1103/PhysRevLett.125.141103>
35. **Beylin, V.** New Physics of Strong Interaction and Dark Universe : [Review] / V.Beylin, M.Khlopov, V.Kuksa, N.Volchanskiy // Universe [Electronic resource]. – 2020. – Vol.6, No.11. – p.196. - Bibliogr.:138.
<https://doi.org/10.3390/universe6110196>
36. **Beylin, V.** Quasielastic Lepton Scattering off Two-Component Dark Matter in Hypercolor Model / V.Beylin, M.Bezuglov, V.Kuksa, E.Tretiakov // Symmetry [Electronic resource]. – 2020. – Vol.12, No.5. – p.708. - Bibliogr.:72.
<https://doi.org/10.3390/sym12050708>
37. **Blacker, S.** Constraining the Onset Density of the Hadron-Quark Phase Transition with Gravitational-Wave Observations / S.Blacker, N.-U.F.Bastian, D.B.Blaschke [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.12. – p.123023. - Bibliogr.:216.
<https://doi.org/10.1103/PhysRevD.102.123023>

38. **Bormotova, I.** Accelerated Expansion of the Universe from the Perspective of Inhomogeneous Cosmology / I.Bormotova, E.Kopteva, M.Churilova, Z.Stuchlik // International Journal of Modern Physics A [Electronic resource]. – 2020. – Vol.35, No.2/3. – p.2040037. - Bibliogr.:9.
<https://doi.org/10.1142/S0217751X20400370>
39. **Fursaev, D.V.** Massless Cosmic Strings in Spacetimes with Global Parabolic Isometries : [Abstract] / D.V.Fursaev // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – p.854.
http://www1.jinr.ru/Pepan/v-51-4/64_Fursaev_ann.pdf
40. **Gninenko, S.N.** Search for Dark Sector Physics with NA64 : [Abstract] / S.N.Gninenko, N.V.Krasnikov, V.A.Matveev // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №5. – p.983.
http://www1.jinr.ru/Pepan/v-51-5/01_Gninenko_ann.pdf
41. **Kanjamapornkul, K.** Cohomology Theory for Financial Time Series / K.Kanjamapornkul, R.Pincak, E.Bartos // Physica A [Electronic resource]. – 2020. – Vol.546. – p.122212. - Bibliogr.:43.
<https://doi.org/10.1016/j.physa.2019.122212>
42. **Kirpichnikov, D.V.** Constraints on CP-Odd ALP Couplings from EDM Limits of Fermions / D.V.Kirpichnikov, V.E.Lyubovitskij, A.S.Zhevlakov // Particles [Electronic resource]. – 2020. – Vol.3, No.4. – p.719-728. - Bibliogr.:46.
<https://doi.org/10.3390/particles3040047>
43. **Kowalski-Glikman, J.** Quantum D=3 Euclidean and Poincare Symmetries from Contraction Limits / J.Kowalski-Glikman, J.Lukierski, T.Trzesniewski // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.9. – p.096. - Bibliogr.:44.
[https://doi.org/10.1007/JHEP09\(2020\)096](https://doi.org/10.1007/JHEP09(2020)096)
44. **Krasnikov, N.V.** The Search for Light Dark Matter at the NA64 Experiment : [Abstract] / N.V.Krasnikov // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – p.818.
http://www1.jinr.ru/Pepan/v-51-4/57_Krasnikov_ann.pdf
45. **Kulyabov, D.S.** Hyperbolic Numbers as Einstein Numbers / D.S.Kulyabov, A.V.Korolkova, M.N.Gevorkyan // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1557. – p.012027. - Bibliogr.:10.
<https://doi.org/10.1088/1742-6596/1557/1/012027>
46. **Latosh, B.** One-Loop Effective Scalar-Tensor Gravity / B.Latosh // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.9. – p.845. - Bibliogr.:75.
<https://doi.org/10.1140/epjc/s10052-020-8371-2>
47. **Pagano, D.** Gravity and Antimatter: the AEgIS Experiment at CERN / D.Pagano, V.Matveev [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1342. – p.012016. - Bibliogr.:15.
<https://doi.org/10.1088/1742-6596/1342/1/012016>

48. **Prokhorov, G.Y.** Unruh Effect Universality: Emergent Conical Geometry from Density Operator / G.Y.Prokhorov, O.V.Teryaev, V.I.Zakharov // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.3. – p.137. - Bibliogr.:41.
[https://doi.org/10.1007/JHEP03\(2020\)137](https://doi.org/10.1007/JHEP03(2020)137)
49. **Prokhorov, G.Yu.** Chiral Vortical Effect: Black-Hole Versus Flat-Space Derivation / G.Yu.Prokhorov, O.V.Teryaev, V.I.Zakharov // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.12. – p.121702(R). - Bibliogr.:25.
<https://doi.org/10.1103/PhysRevD.102.121702>
50. **Saha, B.** Interacting Self-Consistent System of Spinor and Gravitational Fields / B.Saha // International Journal of Modern Physics A [Electronic resource]. – 2020. – Vol.35, No.2/3. – p.2040047. - Bibliogr.:3.
<https://doi.org/10.1142/S0217751X20400473>
51. **Saha, B.** Spinors in Cylindrically Symmetric Space-Time / B.Saha // Universe [Electronic resource]. – 2020. – Vol.6, No.9. – p.152. - Bibliogr.:25.
<https://doi.org/10.3390/universe6090152>
52. **Shnir, Y.** Black Holes with Skyrmion-Anti-Skyrmion Hairs / Y.Shnir // Physics Letters B [Electronic resource]. – 2020. – Vol.810. – p.135847. - Bibliogr.:46.
<https://doi.org/10.1016/j.physletb.2020.135847>
53. **Silenko, A.J.** Field of a Moving Locked Charged in Classical Electrodynamics / A.J.Silenko // Modern Physics Letters A [Electronic resource]. – 2020. – Vol.35, No.32. – p.2050267. - Bibliogr.:26.
<https://doi.org/10.1142/S0217732320502673>
54. **Teryaev, O.** Energy-Momentum Relocalization, Surface Terms, and Massless Poles in Axial Current Matrix Elements / O.Teryaev // Symmetry [Electronic resource]. – 2020. – Vol.12, No.9. – p.1409. - Bibliogr.:24.
<https://doi.org/10.3390/sym12091409>
55. **Toporensky, A.V.** Spin Connection and Cosmological Perturbations in f(T) Gravity / A.V.Toporensky, P.V.Tretyakov // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.4. – p.044049. - Bibliogr.:35.
<https://doi.org/10.1103/PhysRevD.102.044049>
56. **Захаров, А.Ф.** Тесты теорий гравитации с использованием наблюдений Галактического Центра и центра галактики М87 / А.Ф.Захаров // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – с.877-889. - Библиогр.:40.
http://www1.jinr.ru/Pepan/v-51-4/67_Zakharov.pdf
57. **Латош, Б.Н.** Базовые проблемы консервативных подходов к квантовой теории гравитации / Б.Н.Латош // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №5. – с.984-1024. - Библиогр.:139.
http://www1.jinr.ru/Pepan/v-51-5/02_latosh.pdf

58. **Adlarson, P.** Differential Cross Sections for Neutron-Proton Scattering in the Region of the $d^*(2380)$ Dibaryon Resonance / P.Adlarson, N.M.Piskunov, V.Serdyuk, L.Yurev [et al.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.1. – p.015204. - Bibliogr.:39. <https://doi.org/10.1103/PhysRevC.102.015204>
59. **Agarwala, J.** Contribution of Exclusive Diffractive Processes to the Measured Azimuthal Asymmetries in SIDIS / J.Agarwala, G.D.Alexeev, N.V.Anfimov, V.Anosov, A.Antoshkin, K.Augsten, I.Denisenko, V.Frolov, A.Efremov, O.P.Gavrichtchouk, A.Gridin, A.Guskov, A.Ivanov, Yu.Kisselev, O.M.Kouznetsov, A.Maltsev, G.V.Meshcheryakov, E.Mitrofanov, N.Mitrofanov, A.Nagaytsev, A.G.Olshevsky, D.V.Peshekhonov, A.Rybnikov, I.A.Savin, A.Selyunin, M.Slunicka, J.Smolik, P.Zavada, E.Zemlyanichkina [et al.] // Nuclear Physics B [Electronic resource]. – 2020. – Vol.956. – p.115039. - Bibliogr.:19. <https://doi.org/10.1016/j.nuclphysb.2020.115039>
60. **Airapetian, A.** Azimuthal Single- and Double-Spin Asymmetries in Semi-Inclusive Deep-Inelastic Lepton Scattering by Transversely Polarized Protons / A.Airapetian, V.Shutov [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.12. – p.010. - Bibliogr.:186. [https://doi.org/10.1007/JHEP12\(2020\)010](https://doi.org/10.1007/JHEP12(2020)010)
61. **Airapetian, A.** Azimuthal Single- and Double-Spin Asymmetries in Semi-Inclusive Deep-Inelastic Lepton Scattering by Transversely Polarized Protons / A.Airapetian, V.Shutov [a.o.] – Hamburg : DESY, 2020. – 84 p. – (DESY ; 20-119). - Bibliogr.:178. <http://www-library.desy.de/cgi-bin/showprep.pl?DESY20-119>
62. **Alexeev, G.D.** Antiproton Over Proton and K^- Over K^+ Multiplicity Ratios at High z in DIS / G.D.Alexeev, V.Anosov, A.Antoshkin, K.Augsten, I.Denisenko, A.Efremov, V.Frolov, O.P.Gavrichtchouk, A.Gridin, A.Guskov, A.Ivanov, Yu.Kisselev, O.M.Kouznetsov, A.Maltsev, G.V.Meshcheryakov, E.Mitrofanov, N.Mitrofanov, A.Nagaytsev, A.G.Olshevsky, D.V.Peshekhonov, A.Rybnikov, I.A.Savin, A.Selyunin, M.Slunicka, J.Smolik, P.Zavada, E.Zemlyanichkina [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.807. – p.135600. - Bibliogr.:34. <https://doi.org/10.1016/j.physletb.2020.135600>
63. **Amer, A.H.** Analysis of the $^{28}\text{Si}(\alpha, \alpha)^{28}\text{Si}$ Elastic Scattering at Energies from 12.7 to 50.5 MeV / A.H.Amer, Yu.E.Penionzhkevich, G.Yergaliuly // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012027. - Bibliogr.:17. <https://doi.org/10.1088/1742-6596/1690/1/012027>
64. **Amer, A.H.** Comparison Between the Elastic Scattering of $^{12}\text{C}(\alpha, \alpha)^{12}\text{C}$ and $^{12}\text{C}(^6\text{He}, ^6\text{He})^{12}\text{C}$ Using Different Nuclear Potentials / A.H.Amer, Yu.E.Penionzhkevich, A.A.Ibraheem, Sh.Hamada // International Journal of Modern Physics E [Electronic resource]. – 2020. – Vol.29, No.10. – p.2050086. - Bibliogr.:53. <https://doi.org/10.1142/S021830132050086X>
65. **Aref'eva, I.Ya.** On the Drag Force of a Heavy Quark via 5d Kerr-AdS Background : [Abstract] / I.Ya.Aref'eva, A.A.Golubtsova, E.Gourgoulhon // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – p.600. http://www1.jinr.ru/Pepan/v-51-4/28_Arefeva_ann.pdf

66. **Astrakhantsev, N.** Lattice Study of the Electromagnetic Conductivity of the Quark-Gluon Plasma in an External Magnetic Field / N.Astrakhantsev, V.V.Braguta, A.Yu.Kotov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.5. – p.054516. - Bibliogr.:58. <https://doi.org/10.1103/PhysRevD.102.054516>
67. **Baiseitov, K.** Surface Waves in a Collisional Quark-Gluon Plasma : [Abstract] / K.Baiseitov, D.Blaschke [a.o.] // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №6. – p.777. http://www1.jinr.ru/Pepan_letters/panl_2020_6/01_Baiseitov_ann.pdf
68. **Bhattacharyya, T.** Propagation of Non-Linear Waves in Hot, Ideal, and Non-Extensive Quark-Gluon Plasma / T.Bhattacharyya, A.Mukherjee // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.7. – p.656. - Bibliogr.:54. <https://doi.org/10.1140/epjc/s10052-020-8191-4>
69. **Bondarenko, S.** Relativistic Rank-One Separable Kernel for Helium-3 Charge Form Factor / S.Bondarenko, V.Burov, S.Yurev // Nuclear Physics A [Electronic resource]. – 2020. – Vol.1004. – p.122065. - Bibliogr.:38. <https://doi.org/10.1016/j.nuclphysa.2020.122065>
70. **Christova, E.** A New Extraction of the Boer-Mulders Function / E.Christova, D.Kotlorz, E.Leader // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012003. - Bibliogr.:16. <https://doi.org/10.1088/1742-6596/1435/1/012003>
71. **Eskin, A.V.** Energy Levels of the Three Particle Muonic Ions (μeLi), (μeBe), (μeB) / A.V.Eskin, V.I.Korobov, A.P.Martynenko, V.V.Sorokin // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012092. - Bibliogr.:25. <https://doi.org/10.1088/1742-6596/1690/1/012092>
72. **Hammoud, N.** Strong Evidence of the $\rho(1250)$ from a Unitary Multichannel Reanalysis of Elastic Scattering Data with Crossing-Symmetry Constraints / N.Hammoud, R.Kaminski, V.Nazari, G.Rupp // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.5. – p.054029. - Bibliogr.:48. <https://doi.org/10.1103/PhysRevD.102.054029>
73. **Isaev, A.P.** D-Dimensional Spin Projection Operators for Arbitrary Type of Symmetry Via Brauer Algebra Idempotents / A.P.Isaev, M.A.Podoinitsyn // Journal of Physics A: Mathematical and Theoretical. – 2020. – Vol.53, No.39. – p.395202. - Bibliogr.:41. <https://doi.org/10.1088/1751-8121/aba5bb>
74. **Karpishkov, A.V.** Spectra and Polarizations of Prompt J/ψ at the NICA within Collinear Parton Model and Parton Reggeization Approach / A.V.Karpishkov, M.A.Nefedov, V.A.Saleev // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012015. - Bibliogr.:16. <https://doi.org/10.1088/1742-6596/1435/1/012015>
75. **Karr, J.-Ph.** Higher-Order Corrections to Spin-Spin Scalar Interactions in HD^+ and H^+_2 / J.-Ph.Karr, M.Haidar, V.I.Korobov [a.o.] // Physical Review A [Electronic resource]. – 2020. – Vol.102, No.5. – p.052827. - Bibliogr.:38. <https://doi.org/10.1103/PhysRevA.102.052827>

76. **Koval, E.A.** Aspects of Arbitrary Oriented Dipoles Scattering in a Plane: Short-Range Interaction Influence / E.A.Koval, O.A.Koval // Physical Review A [Electronic resource]. – 2020. – Vol.102, No.4. – p.042815. - Bibliogr.:49.
<https://doi.org/10.1103/PhysRevA.102.042815>
77. **Ladygina, N.B.** On Reaction Mechanisms in Deuteron-Proton Elastic Scattering / N.B.Ladygina // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.5. – p.133. - Bibliogr.:25.
<https://doi.org/10.1140/epja/s10050-020-00131-x>
78. **Lipatov, A.V.** Relation Between the Parton Branching Approach and Catani-Ciafaloni-Fiorani-Marchesini Evolution / A.V.Lipatov, M.A.Malyshev, H.Jung // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.3. – p.034022. - Bibliogr.:44.
<https://doi.org/10.1103/PhysRevD.101.034022>
79. **Manashova, M.A.** Spin Effects in the Process of Associative Production of the Higgs Boson and W^\pm Boson / M.A.Manashova, F.N.Ahmadov // Eurasian Journal of Physics and Functional Materials [Electronic resource]. – 2020. – Vol.4, No.2. – p.132-138. - Bibliogr.:10.
<https://doi.org/10.29317/ejpfm.2020040203>
80. **Nigmatkulov, G.** Measurements of the Like-Sign Pion and Kaon Femtoscopic Correlations at NICA Energies / G.Nigmatkulov, P.Batyuk, L.Malinina, K.Mikhaylov [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012132. - Bibliogr.:17.
<https://doi.org/10.1088/1742-6596/1690/1/012132>
81. **Paudyal, D.** Extracting the Spin Polarizabilities of the Proton by Measurement of Compton Double-Polarization Observables / D.Paudyal, N.S.Borisov, I.Gorodnov, V.L.Kashevarov, A.B.Lazarev, A.B.Neganov, Yu.A.Usov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.3. – p.035205. - Bibliogr.:35.
<https://doi.org/10.1103/PhysRevC.102.035205>
82. **Pestov, I.B.** Emergent Spin and Duality of Time / I.B.Pestov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012056.
<https://doi.org/10.1088/1742-6596/1435/1/012056>
83. **Scandale, W.** Angular Asymmetry of the Nuclear Interaction Probability of High Energy Particles in Short Bent Crystals / W.Scandale, G.I.Smirnov, A.D.Kovalenko, A.M.Taratin [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.1. – p.27. - Bibliogr.:20.
<https://doi.org/10.1140/epjc/s10052-019-7590-x>
84. **Silenko, A.J.** Fundamental Operators in Dirac Quantum Mechanics / A.J.Silenko, P.Zhang, L.Zou // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012027. - Bibliogr.:68.
<https://doi.org/10.1088/1742-6596/1435/1/012027>
85. **Silenko, A.J.** Zitterbewegung in Quantum Mechanics of Proca Particles / A.J.Silenko // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012057. - Bibliogr.:16.
<https://doi.org/10.1088/1742-6596/1435/1/012057>

86. **Silenko, A.J.** Zitterbewegung of Bosons : [Abstract] / A.J.Silenko // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №2. – п.107.
http://www1.jinr.ru/Pepan_letters/panl_2020_2/02_Silenko_ann.pdf
87. **Soloveva, O.** Exploring the Partonic Phase at Finite Chemical Potential in and Out-of Equilibrium / O.Soloveva, V.Voronyuk, V.Kireyeu [a.o.] // Particles [Electronic resource]. – 2020. – Vol.3, No.1. – п.178-192. - Bibliogr.:44.
<https://doi.org/10.3390/particles3010015>
88. **Urazbekov, B.A.** Some Aspects Related to the Transformation of the Three Body Wave Function Built on the Gaussian Basis / B.A.Urazbekov, A.S.Denikin, N.Itaco, N.T.Tursunbayev // Eurasian Journal of Physics and Functional Materials [Electronic resource]. – 2020. – Vol.4, No.3. – п.201-212. - Bibliogr.:10.
<https://doi.org/10.29317/ejpfm.2020040302>
89. **Zou, L.** Paraxial Wave Function and Gouy Phase for a Relativistic Electron in a Uniform Magnetic Field / L.Zou, P.Zhang, A.J.Silenko // Journal of Physics G. – 2020. – Vol.47, No.5. – п.055003. - Bibliogr.:56.
<https://doi.org/10.1088/1361-6471/ab7a88>
90. **Zou, L.** Position and Spin in Relativistic Quantum Mechanics / L.Zou, P.Zhang, A.J.Silenko // Physical Review A [Electronic resource]. – 2020. – Vol.101, No.3. – п.032117. - Bibliogr.:126.
<https://doi.org/10.1103/PhysRevA.101.032117>
91. **Брагута, В.В.** Изучение перехода конфайнмент-деконфайнмент во вращающейся решеточной SU(3)-глюодинамике / В.В.Брагута, А.Ю.Котов, Д.Д.Кузнецов, А.А.Роечко // Журнал экспериментальной и теоретической физики. Письма. – 2020. – Т.112, №1/2. – с.9-16. - Библиогр.:32.
<https://doi.org/10.31857/S1234567820130029>
92. **Колганова, Е.А.** Слабосвязанные трехатомные LiHe₂ молекулы / Е.А.Колганова, В.Руднев // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №4. – с.590-593. - Библиогр.:39.
http://inis.jinr.ru/sl/NTBLIB/42578323_89380013.pdf
93. **Комаров, В.И.** Критерии центральности неупругих нуклон-нуклонных соударений / В.И.Комаров, Б.Баймурзинова, А.Кунсафина, Д.А.Цирков // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №3. – с.290-298. - Библиогр.:20.
http://www1.jinr.ru/Pepan_letters/panl_2020_3/08_Komarov.pdf
94. **Красовицкий, П.М.** Модель трехмерного рассеяния для ядерных и молекулярных задач / П.М.Красовицкий, Ф.М.Пеньков // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №8. – с.1205-1208. - Библиогр.:13.
http://inis.jinr.ru/sl/NTBLIB/43159549_71274545.pdf
95. **Пупышев, В.В.** Двумерное низкоэнергетическое рассеяние квантовой частицы в суммарном поле кулоновского и степенного потенциалов / В.В.Пупышев // Теоретическая и математическая физика. – 2020. – Т.203, №2. – с.280-299. - Библиогр.:14.
<https://doi.org/10.4213/tmf9842>

96. **Пупышев, В.В.** Правило квантования Бора-Зоммерфельда в случае двумерного движения квантовой частицы в поле убывающего степенного потенциала / В.В.Пупышев // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – с.494-500. - Библиогр.:5.
http://www1.jinr.ru/Pepan/v-51-4/16_Pupyshev.pdf
97. **Сморodinский, Я.** Рассказ о кванте [Квант. 1970, №1] / Я.Сморodinский // Квант. – 2020. – №1. – с.4-12.
<http://inis.jinr.ru/sl/NTBLIB/Kvant-2020-01-P4.pdf>
98. **Терехин, А.А.** Изучение дифференциального сечения упругого дейтрон-протонного рассеяния при 1-2 ГэВ / А.А.Терехин, В.П.Ладыгин, Н.Б.Ладыгина, С.М.Пиядин, А.Н.Хренов, А.К.Курилкин, П.К.Курилкин, А.Ю.Исупов, С.Г.Резников, Ю.В.Гурчин // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №6. – с.908-912. - Библиогр.:16.
http://inis.jinr.ru/sl/NTBLIB/42809381_74310891.pdf
99. **Терехин, Аркадий Аркадьевич.** Исследование дифференциального сечения реакции dp -упругого рассеяния при энергиях 1-2 ГэВ : автореф. дис... канд. физ.-мат. наук: 01.04.16 / Аркадий Аркадьевич Терехин. – Дубна : ОИЯИ, 2020. – 20 с. : ил. – (ОИЯИ ; 1-2020-25). - Библиогр.: с.18-20.
http://inis.jinr.ru/sl/NTBLIB/autoreferat_Terekhin_AA.pdf
100. **Шиндин, Р.А.** Представление зарядово-обменного процесса $nd \rightarrow p(nn)$ под углом 0^0 в рамках упругого рассеяния $pr \rightarrow pr$ на 180^0 / Р.А.Шиндин, Д.К.Гурьев, А.Н.Ливанов, И.П.Юдин. – Дубна : ОИЯИ, 2020. – 24 с. – (ОИЯИ ; P2-2020-18). - Библиогр.:41.
[http://www1.jinr.ru/Preprints/2020/018\(P2-2020-18\).pdf](http://www1.jinr.ru/Preprints/2020/018(P2-2020-18).pdf)

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101. **Abdulov, N.A.** Bottomonia Production and Polarization in the NRQCD with κ_T -Factorization. II: $Y(2S)$ and $\chi_b(2p)$ Mesons / N.A.Abdulov, A.V.Lipatov // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.5. – p.486. - Bibliogr.:76.
<https://doi.org/10.1140/epjc/s10052-020-8056-x>
102. **Acosta, U.H.** Nonperturbative Signatures of Nonlinear Compton Scattering / U.H.Acosta, A.Otto, B.Kampfer, A.I.Titov // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.11. – p.116016. - Bibliogr.:62.
<https://doi.org/10.1103/PhysRevD.102.116016>
103. **Alighanbari, S.** Precise Test of Quantum Electrodynamics and Determination of Fundamental Constants with HD^+ Ions / S.Alighanbari, G.S.Giri, V.I.Korobov [et al.] // Nature. – 2020. – Vol.581, No.7807. – p.152-158. - Bibliogr.:47.
<http://dx.doi.org/10.1038/s41586-020-2261-5>
104. **Anikin, I.V.** Light-Cone Sum Rules for Gravitational Form Factors / I.V.Anikin // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012002. - Bibliogr.:25.
<https://doi.org/10.1088/1742-6596/1435/1/012002>
105. **Anikin, I.V.** On ξ -Process for DVCS-Amplitude / I.V.Anikin // Symmetry [Electronic resource]. – 2020. – Vol.12, No.12. – p.1996. - Bibliogr.:16.
<https://doi.org/10.3390/sym12121996>
106. **Arbuzov, A.** Gravity and Nonlinear Symmetry Realization / A.Arbuzov, B.Latosh // Universe [Electronic resource]. – 2020. – Vol.6, No.1. – p.12. - Bibliogr.:61.
<https://doi.org/10.3390/universe6010012>
107. **Arbuzov, A.** On Anomalies in Effective Models with Nonlinear Symmetry Realization / A.Arbuzov, B.Latosh // Modern Physics Letters A [Electronic resource]. – 2020. – Vol.35, No.35. – p.2050294. - Bibliogr.:31.
<https://doi.org/10.1142/S0217732320502946>
108. **Arbuzov, A.B.** QED and Electroweak Radiative Corrections to Polarized Bhabha Scattering / A.B.Arbuzov, S.G.Bondarenko, Ya.V.Dydyshka, L.V.Kalinovskaya, L.A.Rumyantsev, R.R.Sadykov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1525. – p.012011. - Bibliogr.:24.
<https://doi.org/10.1088/1742-6596/1525/1/012011>
109. **Astrakhantsev, N.** Lattice Study of Thermodynamic Properties of Dense QC_2D / N.Astrakhantsev, V.V.Braguta, E.-M.Ilgenfritz, A.Yu.Kotov, A.A.Nikolaev // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.7. – p.074507. - Bibliogr.:52.
<https://doi.org/10.1103/PhysRevD.102.074507>
110. **Ayala, C.** Bjorken Sum Rule with Analytic QCD Coupling / C.Ayala, G.Cvetic, A.V.Kotikov, B.G.Shaikhatdenov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012016. - Bibliogr.:72.
<https://doi.org/10.1088/1742-6596/1435/1/012016>

111. **Bednyakov, A.** Four-Loop QCD MOM Beta Functions from the Three-Loop Vertices at the Symmetric Point / A.Bednyakov, A.Pikelner // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.7. – p.071502(R). - Bibliogr.:40.
<https://doi.org/10.1103/PhysRevD.101.071502>
112. **Bednyakov, A.** Quark Masses: N3LO Bridge from RI/SMOM to \overline{MS} Scheme / A.Bednyakov, A.Pikelner // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.9. – p.091501(R). - Bibliogr.:18.
<https://doi.org/10.1103/PhysRevD.101.091501>
113. **Bednyakov, A.V.** On the Scalar-Sensitive Angular Observables for $B \rightarrow K^* \Pi$ in the SM : Abstract / A.V.Bednyakov, A.I.Mukhaeva // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №1. – p.5.
http://www1.jinr.ru/Pepan_letters/panl_2020_1/01_Bedn_ann.pdf
114. **Bezuglov, M.A.** Calculation of Master Integrals in Terms of Elliptic Multiple Polylogarithms / M.A.Bezuglov // International Journal of Modern Physics A [Electronic resource]. – 2020. – Vol.35, No.13. – p.2050063. - Bibliogr.:70.
<https://doi.org/10.1142/S0217751X20500633>
115. **Biswal, M.** Z_3 Metastable States in PNJL Model / M.Biswal, S.Digal, P.S.Saumia // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.7. – p.074020. - Bibliogr.:67.
<https://doi.org/10.1103/PhysRevD.102.074020>
116. **Blaschke, D.** A Mixing Interpolation Method to Mimic Pasta Phases in Compact Star Matter / D.Blaschke, D.Alvarez-Castillo // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.5. – p.124. - Bibliogr.:49.
<https://doi.org/10.1140/epja/s10050-020-00111-1>
117. **Blaschke, D.** Chirally Improved Quark Pauli Blocking in Nuclear Matter and Applications to Quark Deconfinement in Neutron Stars / D.Blaschke, H.Grigorian, G.Ropke // Particles [Electronic resource]. – 2020. – Vol.3, No.2. – p.477-499. - Bibliogr.:56.
<https://doi.org/10.3390/particles3020033>
118. **Blaschke, D.** Strangeness and Light Fragment Production at High Baryon Density / D.Blaschke, G.Ropke, Yu.Ivanov, M.Kozhevnikova, S.Liebing // The XVIII International Conference on Strangeness in Quark Matter (SQM 2019), Bari, Italy, 10-15 June, 2019 / International Conference on Strangeness in Quark Matter (18, 2019; Bari) ; Ed.: D.Elia, G.E.Bruno [et al.]. – Cham : Springer, 2020. – p.183-190. - Bibliogr.:29. – (Springer Proceedings in Physics ; Vol.250).
https://doi.org/10.1007/978-3-030-53448-6_27
119. **Blaschke, D.** Using the Beth-Uhlenbeck Approach to Describe the Kaon to Pion Ratio in a 2+1 Flavor PNJL Model / D.Blaschke, A.Friesen, Yu.Kalinovsky, A.Radzhabov // Particles [Electronic resource]. – 2020. – Vol.3, No.1. – p.169-177. - Bibliogr.:25.
<https://doi.org/10.3390/particles3010014>
120. **Bork, L.V.** Dual Conformal Symmetry and Iterative Integrals in Six Dimensions / L.V.Bork, R.M.Iakhibbaev, D.I.Kazakov, D.M.Tolkachev // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.6. – p.186. - Bibliogr.:46.
[https://doi.org/10.1007/JHEP06\(2020\)186](https://doi.org/10.1007/JHEP06(2020)186)

121. **Bork, L.V.** Pentagon OPE Resummation in $N=4$ SYM: Hexagons with One Effective Particle Contribution / L.V.Bork, A.I.Onishchenko // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.2. – p.026002. - Bibliogr.:72.
<https://doi.org/10.1103/PhysRevD.102.026002>
122. **Bork, L.V.** Pentagon OPE Resummation in $N=4$ SYM: One Effective Particle and MHV Amplitude : [Abstract] / L.V.Bork, A.I.Onishchenko // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – p.599.
http://www1.jinr.ru/Pepan/v-51-4/27_Bork_ann.pdf
123. **Bornyakov, V.** Gluon Propagators in QC_2D at High Baryon Density / V.Bornyakov, A.Kotov, A.Nikolaev, R.N.Rogalyov // Particles [Electronic resource]. – 2020. – Vol.3, No.2. – p.308-319. - Bibliogr.:44.
<https://doi.org/10.3390/particles3020023>
124. **Bornyakov, V.G.** Density and Correlations of Topological Objects near the Transition Temperature in Lattice Gluodynamics / V.G.Bornyakov, E.-M.Ilgenfritz, B.V.Martemyanov // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.11. – p.114510. - Bibliogr.:20.
<https://doi.org/10.1103/PhysRevD.101.114510>
125. **Bornyakov, V.G.** Effects of Dense Quark Matter on Gluon Propagators in Lattice QC_2D / V.G.Bornyakov, V.V.Braguta, A.V.Nikolaev, R.N.Rogalyov // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.11. – p.114511. - Bibliogr.:64.
<https://doi.org/10.1103/PhysRevD.102.114511>
126. **Buchbinder, I.L.** Low-Energy 6D, $N=(1, 1)$ SYM Effective Action Beyond the Leading Approximation / I.L.Buchbinder, E.A.Ivanov, B.S.Merzlikin // Nuclear Physics B [Electronic resource]. – 2020. – Vol.954. – p.114995. - Bibliogr.:48.
<https://doi.org/10.1016/j.nuclphysb.2020.114995>
127. **Buchbinder, I.L.** Quantum Calculation of the Low-Energy Effective Action in 5D, $N=2$ SYM Theory / I.L.Buchbinder, E.A.Ivanov, B.S.Merzlikin // Physics Letters B [Electronic resource]. – 2020. – Vol.802. – p.135218. - Bibliogr.:27.
<https://doi.org/10.1016/j.physletb.2020.135218>
128. **Buchbinder, I.L.** Superfield Realization of Hidden R-Symmetry in Extended Supersymmetric Gauge Theories and Its Applications / I.L.Buchbinder, E.A.Ivanov, V.A.Ivanovskiy // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.4. – p.126. - Bibliogr.:15.
[https://doi.org/10.1007/JHEP04\(2020\)126](https://doi.org/10.1007/JHEP04(2020)126)
129. **Buchbinder, I.L.** Supergraph Calculation of One-Loop Divergences in Higher-Derivative 6D SYM Theory / I.L.Buchbinder, E.A.Ivanov, B.S.Merzlikin, K.V.Stepanyantz // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.8. – p.169. - Bibliogr.:58.
[https://doi.org/10.1007/JHEP08\(2020\)169](https://doi.org/10.1007/JHEP08(2020)169)
130. **Buchbinder, I.L.** The Renormalization Structure of 6D, $N=(1, 0)$ Supersymmetric Higher-Derivative Gauge Theory / I.L.Buchbinder, E.A.Ivanov, B.S.Merzlikin, K.V.Stepanyantz // Nuclear Physics B [Electronic resource]. – 2020. – Vol.961. – p.115249. - Bibliogr.:43.
<https://doi.org/10.1016/j.nuclphysb.2020.115249>

131. **Buchbinder, I.L.** Towards Lagrangian Construction for Infinite Half-Integer Spin Field / I.L.Buchbinder, S.Fedoruk, A.P.Isaev, V.A.Krykhtin // Nuclear Physics B [Electronic resource]. – 2020. – Vol.958. – p.115114. - Bibliogr.:49.
<https://doi.org/10.1016/j.nuclphysb.2020.115114>
132. **Bunatian, G.G.** The ρ -Meson in an Effective Description of Low-Energy Electro-Weak Transitions of Hadrons / G.G.Bunatian // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.9. – p.226. - Bibliogr.:48.
<https://doi.org/10.1140/epja/s10050-020-00234-5>
133. **Bures, M.** Space Dimension Renormdynamics / M.Bures, N.Makhaldiani // Particles [Electronic resource]. – 2020. – Vol.3, No.2. – p.364-379. - Bibliogr.:20.
<https://doi.org/10.3390/particles3020028>
134. **Bytev, V.V.** Derivatives of any Horn-Type Hypergeometric Functions with Respect to Their Parameters / V.V.Bytev, B.A.Kniehl // Nuclear Physics B [Electronic resource]. – 2020. – Vol.952. – p.114911. - Bibliogr.:51.
<https://doi.org/10.1016/j.nuclphysb.2019.114911>
135. **Capozziello, S.** A Supersymmetry and Quantum Cryptosystem with Path Integral Approach in Biology / S.Capozziello, R.Pincak, E.Bartos // Symmetry [Electronic resource]. – 2020. – Vol.12, No.8. – p.1214. - Bibliogr.:38.
<https://doi.org/10.3390/sym12081214>
136. **Christova, E.** New Study of the Boer-Mulders Function: Implications for the Quark and Hadron Transverse Momenta / E.Christova, D.Kotlorz, E.Leader // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.1. – p.014035. - Bibliogr.:59.
<https://doi.org/10.1103/PhysRevD.102.014035>
137. **Danco, M.** Renormalization Group Study of Superfluid Phase Transition: Effect of Compressibility / M.Danco, M.Hnatic, T.Lucivjansky, L.Mizisin // Physical Review E [Electronic resource]. – 2020. – Vol.102, No.2. – p.022118. - Bibliogr.:57.
<https://doi.org/10.1103/PhysRevE.102.022118>
138. **Das, C.R.** Finding New Physics, Phenomenological, Experimental and Astrophysical Predictions / C.R.Das, Zh.Kurmanaliyev, B.Mauyey [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012091. - Bibliogr.:15.
<https://doi.org/10.1088/1742-6596/1690/1/012091>
139. **Dorey, P.** Staccato Radiation from the Decay of Large Amplitude Oscillons / P.Dorey, T.Romanczukiewicz, Y.Shnir // Physics Letters B [Electronic resource]. – 2020. – Vol.806. – p.135497. - Bibliogr.:33.
<https://doi.org/10.1016/j.physletb.2020.135497>
140. **Dorokhov, A.E.** Determination of the Proton Charge Radius from the Study of the Hydrogen S-Energy Levels / A.E.Dorokhov, R.N.Faustov, A.P.Martynenko, F.A.Martynenko // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012080. - Bibliogr.:25.
<https://doi.org/10.1088/1742-6596/1690/1/012080>

141. **Dorokhov, A.E.** Energy Interval 2S-1S in Muonic Ions of Lithium, Beryllium and Boron / A.E.Dorokhov, R.N.Faustov, A.P.Martynenko, F.A.Martynenko // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012094. - Bibliogr.:26.
<https://doi.org/10.1088/1742-6596/1690/1/012094>
142. **Dorokhov, A.E.** Energy Interval 3S-1S in Muonic Hydrogen / A.E.Dorokhov, R.N.Faustov, A.P.Martynenko, F.A.Martynenko // Physical Review A [Electronic resource]. – 2020. – Vol.102, No.6. – p.062820. - Bibliogr.:66.
<https://doi.org/10.1103/PhysRevA.102.062820>
143. **Dorokhov, A.E.** Nuclear Structure Corrections to Hyperfine Splitting in Light Muonic Ions : [Abstract] / A.E.Dorokhov, A.P.Martynenko, F.A.Martynenko, A.E.Radzhabov // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – p.774.
http://www1.jinr.ru/Pepan/v-51-4/50_Dorokhov_ann.pdf
144. **Dorokhov, A.E.** Photonic Production of a Pair of B_c Mesons / A.E.Dorokhov, R.N.Faustov, A.P.Martynenko, F.A.Martynenko // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.1. – p.016027. - Bibliogr.:42.
<https://doi.org/10.1103/PhysRevD.102.016027>
145. **Dubnicka, S.** Dynamical Approach to Decays of XYZ States : [Review] / S.Dubnicka, M.A.Ivanov [a.o.] // Symmetry [Electronic resource]. – 2020. – Vol.12, No.6. – p.884. - Bibliogr.:241.
<https://doi.org/10.3390/sym12060884>
146. **Fedoruk, S.** $N = 4$ Supersymmetric $U(2)$ -Spin Hyperbolic Calogero-Sutherland Model / S.Fedoruk // Nuclear Physics B [Electronic resource]. – 2020. – Vol.961. – p.115234. - Bibliogr.:38.
<https://doi.org/10.1016/j.nuclphysb.2020.115234>
147. **Fedoruk, S.** $N=2$ Supersymmetric Hyperbolic Calogero-Sutherland Model / S.Fedoruk // Nuclear Physics B [Electronic resource]. – 2020. – Vol.953. – p.114977. - Bibliogr.:40.
<https://doi.org/10.1016/j.nuclphysb.2020.114977>
148. **Ferenc, D.** Nonadiabatic, Relativistic, and Leading-Order QED Corrections for Rovibrational Intervals of ${}^4\text{He}^+ {}_2(X^2\Sigma^+_{u})$ / D.Ferenc, V.I.Korobov, E.Matyus // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.21. – p.213001. - Bibliogr.:47.
<https://doi.org/10.1103/PhysRevLett.125.213001>
149. **Friesen, A.V.** The Role of the Chiral Phase Transition in Modelling the Kaon to Pion Ratio / A.V.Friesen, Yu.L.Kalinovsky, V.D.Toneev // Журнал экспериментальной и теоретической физики. Письма. – 2020. – Т.111, №3/4. – с.147-148. - Bibliogr.:11.
<https://doi.org/10.31857/S0370274X20030017>
150. **Galajinsky, A.** $N=4$ Super-Schwarzian Derivative via Nonlinear Realizations / A.Galajinsky, S.Krivosos // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.10. – p.106015. - Bibliogr.:17.
<https://doi.org/10.1103/PhysRevD.102.106015>

151. **Ganbold, G.** Mesons and Glueballs, the Strong Effective Coupling within Analytic Confinement : [Abstract] / G.Ganbold // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – p.784.
http://www1.jinr.ru/Pepan/v-51-4/52_Ganbold_ann.pdf
152. **Golubtsova, A.** More on Schrodinger Holography / A.Golubtsova, H.Dimov, I.Iliev [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.8. – p.090. - Bibliogr.:48.
[https://doi.org/10.1007/JHEP08\(2020\)090](https://doi.org/10.1007/JHEP08(2020)090)
153. **Gusynin, V.P.** Landau-Khalatnikov-Fradkin Transformation in Three-Dimensional Quenched QED / V.P.Gusynin, A.V.Kotikov, S.Teber // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.2. – p.025013. - Bibliogr.:63.
<https://doi.org/10.1103/PhysRevD.102.025013>
154. **Haidar, M.** Nonrelativistic QED Approach to the Fine- and Hyperfine-Structure Correlations of Order $m\alpha^6$ and $m\alpha^6(m/M)$: Application to the Hydrogen Atom / M.Haidar, Z.-X.Zhong, V.I.Korobov, J.-Ph.Karr // Physical Review A [Electronic resource]. – 2020. – Vol.101, No.2. – p.022501. - Bibliogr.:27.
<https://doi.org/10.1103/PhysRevA.101.022501>
155. **Hasegawa, M.** Monopole and Instanton Effects in QCD / M.Hasegawa // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.9. – p.113. - Bibliogr.:102.
[https://doi.org/10.1007/JHEP09\(2020\)113](https://doi.org/10.1007/JHEP09(2020)113)
156. **Hnatic, M.** On the First-Order Phase Transition in SU(N) Matrix Models / M.Hnatic, G.A.Kalagov, M.Yu.Nalimov // Nuclear Physics B [Electronic resource]. – 2020. – Vol.955. – p.115060. - Bibliogr.:68.
<https://doi.org/10.1016/j.nuclphysb.2020.115060>
157. **Ivanov, E.** Symmetries of Deformed Supersymmetric Mechanics on Kahler Manifolds / E.Ivanov, A.Nersessian, S.Sidorov, H.Shmavonyan // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.2. – p.025303. - Bibliogr.:32.
<https://doi.org/10.1103/PhysRevD.101.025003>
158. **Ivanov, M.A.** D^* Polarization as an Additional Constraint on New Physics in the $b \rightarrow c\bar{\nu}_\tau$ Transition / M.A.Ivanov, J.G.Korner, P.Santorelli, Chien-Thang Tran // Particles [Electronic resource]. – 2020. – Vol.3, No.1. – p.193-207. - Bibliogr.:61.
<https://doi.org/10.3390/particles3010016>
159. **Ivanov, M.A.** Form Factors for $B \rightarrow j_1 j_2$ Decays into Two Currents in QCD / M.A.Ivanov, D.Melikhov, S.Simula // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.9. – p.094022. - Bibliogr.:25.
<https://doi.org/10.1103/PhysRevD.101.094022>
160. **Ivanov, M.A.** Nonleptonic Decays of Doubly Charmed Baryons / M.A.Ivanov // Particles [Electronic resource]. – 2020. – Vol.3, No.1. – p.123-144. - Bibliogr.:43.
<https://doi.org/10.3390/particles3010011>

161. **Ivanov, N.Ya.** Probing the Linearly Polarized Gluons in Unpolarized Proton with Heavy-Quark Pair Production / N.Ya.Ivanov, A.V.Efremov, O.V.Teryaev // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012011. - Bibliogr.:11.
<https://doi.org/10.1088/1742-6596/1435/1/012011>
162. **James, A.** Landau-Khalatnikov-Fradkin Transformation of the Fermion Propagator in Massless Reduced QED / A.James, A.V.Kotikov, S.Teber // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.4. – p.045011. - Bibliogr.:53.
<https://doi.org/10.1103/PhysRevD.101.045011>
163. **Kaloshin, A.E.** Parity Violation and Modification of Fermion Spin Projectors / A.E.Kaloshin, V.P.Lomov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012014. - Bibliogr.:12.
<https://doi.org/10.1088/1742-6596/1435/1/012014>
164. **Korobov, V.I.** Hyperfine Structure in the H^+_2 and HD^+ Molecular Ions at Order $m\alpha^6$ / V.I.Korobov, J.-Ph.Karr, M.Haidar, Z.-X.Zhong // Physical Review A [Electronic resource]. – 2020. – Vol.102, No.2. – p.022804. - Bibliogr.:41.
<https://doi.org/10.1103/PhysRevA.102.022804>
165. **Kotikov, A.V.** About Calculations of Massless and Massive Feynman Integrals / A.V.Kotikov // Particles [Electronic resource]. – 2020. – Vol.3, No.2. – p.394-443. - Bibliogr.:207.
<https://doi.org/10.3390/particles3020030>
166. **Kotikov, A.V.** Critical Behavior of (2+1)-Dimensional QED: 1/N Expansion / A.V.Kotikov, S.Teber // Particles [Electronic resource]. – 2020. – Vol.3, No.2. – p.345-354. - Bibliogr.:63.
<https://doi.org/10.3390/particles3020026>
167. **Kotikov, A.V.** Gluon Evolution for the Berger-Block-Tan Form of the Structure Function F_2 / A.V.Kotikov // Журнал экспериментальной и теоретической физики. Письма. – 2020. – Т.111, №1/2. – p.59-60. - Bibliogr.:26.
<https://doi.org/10.31857/S0370274X20020010>
168. **Kotikov, A.V.** Landau-Khalatnikov-Fradkin Transformation and Hatted ζ values : [Abstract] / A.V.Kotikov, S.Teber // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – p.643.
http://www1.jinr.ru/Pepan/v-51-4/33_Kotikov_ann.pdf
169. **Kotikov, A.V.** Transverse Momentum Dependent Parton Densities in a Proton from the Generalized DAS Approach / A.V.Kotikov, A.V.Lipatov, B.G.Shaikhatdenov, P.Zhang // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.2. – p.028. - Bibliogr.:105.
[https://doi.org/10.1007/JHEP02\(2020\)028](https://doi.org/10.1007/JHEP02(2020)028)
170. **Kotlorz, D.** Optimized Determination of the Polarized Bjorken Sum Rule / D.Kotlorz, S.V.Mikhailov, A.Kotlorz // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012017. - Bibliogr.:24.
<https://doi.org/10.1088/1742-6596/1435/1/012017>

171. **Kotov, A.Yu.** Finite Temperature QCD with $N_f=2+1+1$ Wilson Twisted Mass Fermions at Physical Pion, Strange and Charm Masses / A.Yu.Kotov, M.P.Lombardo, A.M.Trunin // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.8. – p.203. - Bibliogr.:43.
<https://doi.org/10.1140/epja/s10050-020-00216-7>
172. **Kozachuk, A.** Constraints on the Anomalous Wtb Couplings from B-Physics Experiments / A.Kozachuk, D.Melikhov // Symmetry [Electronic resource]. – 2020. – Vol.12, No.9. – p.1506. - Bibliogr.:38.
<https://doi.org/10.3390/sym12091506>
173. **Kozyrev, N.** Partial Breaking of Arbitrary Amount of $d=3$ Supersymmetry / N.Kozyrev // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.2. – p.026011. - Bibliogr.:17.
<https://doi.org/10.1103/PhysRevD.102.026011>
174. **Krivonos, S.** Geometry and Integrability in $N=8$ Supersymmetric Mechanics / S.Krivonos, A.Nersessian, H.Shmavonyan // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.4. – p.045002. - Bibliogr.:21.
<https://doi.org/10.1103/PhysRevD.101.045002>
175. **Krivonos, S.** $N=4$ Supersymmetric Calogero-Sutherland Models / S.Krivonos, O.Lechtenfeld // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.8. – p.086010. - Bibliogr.:10.
<https://doi.org/10.1103/PhysRevD.101.086010>
176. **Krivonos, S.** New $N=2$ Superspace Calogero Models / S.Krivonos, O.Lechtenfeld, A.Sutulin // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.5. – p.132. - Bibliogr.:17.
[https://doi.org/10.1007/JHEP05\(2020\)132](https://doi.org/10.1007/JHEP05(2020)132)
177. **Krivonos, S.** On $N=2$ Supersymmetric Ruijsenaars–Schneider Models / S.Krivonos, O.Lechtenfeld // Physics Letters B [Electronic resource]. – 2020. – Vol.807. – p.135545. - Bibliogr.:17.
<https://doi.org/10.1016/j.physletb.2020.135545>
178. **Krivoruchenko, M.I.** Noether's Theorem in Non-Local Field Theories / M.I.Krivoruchenko, A.Tursunov // Symmetry [Electronic resource]. – 2020. – Vol.12, No.1. – p.35. - Bibliogr.:13.
<https://doi.org/10.3390/sym12010035>
179. **Larin, I.** Precision Measurement of the Neutral Pion Lifetime / I.Larin, S.Gevorkyan [et al.] // Science. – 2020. – Vol.368, No.6490. – p.506-509. - Bibliogr.:33.
<http://dx.doi.org/10.1126/science.aay6641>
180. **Lipatov, A.V.** Particle Event Generator: a Simple-in-Use System PEGASUS Version 1.0 / A.V.Lipatov, M.A.Malyshev, S.P.Baranov // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.4. – p.330. - Bibliogr.:87.
<https://doi.org/10.1140/epjc/s10052-020-7898-6>

181. **Luschevskaya, E.V.** Hadron Polarization in Strong Magnetic Field / E.V.Luschevskaya, O.V.Teryaev, R.A.Ishkuvatov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012019. - Bibliogr.:19.
<https://doi.org/10.1088/1742-6596/1435/1/012019>
182. **Luschevskaya, E.V.** Hadron Polarization in Strong Magnetic Field : [Abstract] / E.V.Luschevskaya, O.V.Teryaev, R.A.Ishkuvatov, O.E.Solovjeva // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №3. – p.252.
http://www1.jinr.ru/Pepan_letters/panl_2020_3/02_Luschevskaya_ann.pdf
183. **Makhaldiani, N.** Nonperturbative Extension of Perturbative Quantum Chromodynamics and Fractal Dimension of Space as a Confinement Phase Transition Order Parameter / N.Makhaldiani // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012055. - Bibliogr.:5.
<https://doi.org/10.1088/1742-6596/1435/1/012055>
184. **Martinovic, L.** Vacuum Loops in Light-Front Field Theory / L.Martinovic, A.Dorokhov // Physics Letters B [Electronic resource]. – 2020. – Vol.811. – p.135925. - Bibliogr.:34.
<https://doi.org/10.1016/j.physletb.2020.135925>
185. **Menkyna, M.** Influence of Compressibility on Scaling Regimes of Kraichnan Model with Finite Time Correlations: Two-Loop RG Analysis / M.Menkyna // The European Physical Journal B [Electronic resource]. – 2020. – Vol.93, No.4. – p.71. - Bibliogr.:75.
<https://doi.org/10.1140/epjb/e2020-100484-0>
186. **Mikhailov, S.V.** Radiative Corrections to QCD SR for Meson Distribution Amplitudes up to $O(\alpha^2_s \beta_0)$ / S.V.Mikhailov, N.Volchanskiy // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012059. - Bibliogr.:13.
<https://doi.org/10.1088/1742-6596/1435/1/012059>
187. **Nefedov, M.A.** Gauge-Invariant TMD Factorization for Drell-Yan Helicity Structure Functions / M.A.Nefedov, V.A.Saleev // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012024. - Bibliogr.:14.
<https://doi.org/10.1088/1742-6596/1435/1/012024>
188. **Nesterenko, A.V.** R-Ratio of $e^+e^- \rightarrow$ Hadrons: Explicit Form : [Abstract] / A.V.Nesterenko // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – p.819.
http://www1.jinr.ru/Pepan/v-51-4/58_Nesterenko_ann.pdf
189. **Nesterenko, A.V.** Recurrent Form of the Renormalization Group Relations for the Higher-Order Hadronic Vacuum Polarization Function Perturbative Expansion Coefficients / A.V.Nesterenko // Journal of Physics G. – 2020. – Vol.47, No.10. – p.105001. - Bibliogr.:32.
<https://doi.org/10.1088/1361-6471/aba4f9>
190. **Novikov, I.** Parton Distribution Functions of the Charged Pion within the xFitter Framework / I.Novikov, H.Abdolmaleki, D.Britzger [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.1. – p.014040. - Bibliogr.:51.
<https://doi.org/10.1103/PhysRevD.102.014040>

191. **Novikov, I.** Parton Distribution Functions of the Charged Pion within the xFitter Framework / I.Novikov, H.Abdolmaleki, D.Britzger [a.o.]. – Hamburg : DESY, 2020. – 9 p. – (DESY ; 20-013). – Bibliogr.:50.
<http://www-library.desy.de/cgi-bin/showprep.pl?DESY20-013>
192. **Osipov, A.A.** Account for Axial Vector Mesons in the $\eta \rightarrow \pi^+ \pi \gamma$ and $\eta' \rightarrow \pi^+ \pi \gamma$ Decays / A.A.Osipov, A.A.Pivovarov, M.K.Volkov, M.M.Khalifa // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.9. – p.094031. – Bibliogr.:65.
<https://doi.org/10.1103/PhysRevD.101.094031>
193. **Osipov, A.A.** Low-Energy Theorem for $\gamma \rightarrow 3\pi$: Surface Terms Against $\pi\pi_1$ Mixing / A.A.Osipov, M.M.Khalifa, B.Hiller // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.3. – p.034012. – Bibliogr.:41.
<https://doi.org/10.1103/PhysRevD.101.034012>
194. **Osipov, A.A.** Masses of Two Higgs Doublets within Effective Theory with Four-Quark Interactions / A.A.Osipov, M.M.Khalifa // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012075. – Bibliogr.:23.
<https://doi.org/10.1088/1742-6596/1690/1/012075>
195. **Osipov, A.A.** Top Condensation Model: a Step Towards the Correct Prediction of the Higgs Mass / A.A.Osipov, B.Hiller, A.H.Blin [et al.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.12. – p.1135. – Bibliogr.:37.
<https://doi.org/10.1140/epjc/s10052-020-08716-y>
196. **Parvan, A.S.** Scaled Variables and the Quark-Hadron Duality / A.S.Parvan // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.7. – p.192. – Bibliogr.:23.
<https://doi.org/10.1140/epja/s10050-020-00203-y>
197. **Perapechka, I.** Kinks Bounded by Fermions / I.Perapechka, Y.Shnir // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.2. – p.021701(R). – Bibliogr.:31.
<https://doi.org/10.1103/PhysrevD.101.021701>
198. **Pikelner, A.F.** Four-Loop Singularities of the Massless Fermion Propagator in Quenched Three-Dimensional QED / A.F.Pikelner, V.P.Gusynin, A.V.Kotikov, S.Teber // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.10. – p.105012. – Bibliogr.:50.
<https://doi.org/10.1103/PhysRevD.102.105012>
199. **Pirozhenko, I.** On Finite Temperature Casimir Effect for Dirac Lattices / I.Pirozhenko // Modern Physics Letters A [Electronic resource]. – 2020. – Vol.35, No.3. – p.2040019. – Bibliogr.:8.
<https://doi.org/10.1142/S0217732320400192>
200. **Prokhorov, G.** Calculation of Acceleration Effects Using the Zubarev Density Operator / G.Prokhorov, O.Teryaev, V.Zakharov // Particles [Electronic resource]. – 2020. – Vol.3, No.1. – p.1-14. – Bibliogr.:37.
<https://doi.org/10.3390/particles3010001>
201. **Prokhorov, G.** Quantum Field Effects of Acceleration and Rotation: the Chiral Vortical Effect and the Unruh Effect / G.Prokhorov, O.V.Teryaev, V.I.Zakharov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012023. – Bibliogr.:20.
<https://doi.org/10.1088/1742-6596/1435/1/012023>

202. **Shahrbaf, M.** First-Order Phase Transition from Hypernuclear Matter to Deconfined Quark Matter Obeying New Constraints from Compact Star Observations / M.Shahrbaf, D.Blaschke [a.o.] // *Physical Review C* [Electronic resource]. – 2020. – Vol.101, No.2. – p.025807. - Bibliogr.:76.
<https://doi.org/10.1103/PhysRevC.101.025807>
203. **Volkov, M.K.** On the Mixing Angle of the Vector Mesons $\omega(782)$ and $\phi(1020)$ / M.K.Volkov, A.A.Pivovarov, K.Nurlan // *Modern Physics Letters A* [Electronic resource]. – 2020. – Vol.35, No.24. – p.2050200. - Bibliogr.:25.
<https://doi.org/10.1142/S0217732320502004>
204. **Volkov, M.K.** The Decay $\tau \rightarrow K^{*-}(892)\eta\nu_{\tau}$ in the NJL Model / M.K.Volkov, A.A.Pivovarov, K.Nurlan // *Nuclear Physics A* [Electronic resource]. – 2020. – Vol.1000. – p.121810. - Bibliogr.:23.
<https://doi.org/10.1016/j.nuclphysa.2020.121810>
205. **Volkov, M.K.** The Decay $\tau \rightarrow K^{*0}(892)K\nu_{\tau}$ in the NJL Model / M.K.Volkov, A.A.Pivovarov, K.Nurlan // *International Journal of Modern Physics A* [Electronic resource]. – 2020. – Vol.35, No.6. – p.2050035. - Bibliogr.:18.
<https://doi.org/10.1142/S0217751X20500359>
206. **Volkov, S.** Numerical Calculation of 5-Loop QED Contributions to the Electron Anomalous Magnetic Moment / S.Volkov // *Journal of Physics: Conference Series* [Electronic resource]. – 2020. – Vol.1525. – p.012007. - Bibliogr.:26.
<https://doi.org/10.1088/1742-6596/1525/1/012007>
207. **Volkov, S.A.** Infrared and Ultraviolet Power Counting on the Mass Shell in Quantum Electrodynamics / S.A.Volkov // *Nuclear Physics B* [Electronic resource]. – 2020. – Vol.961. – p.115232. - Bibliogr.:34.
<https://doi.org/10.1016/j.nuclphysb.2020.115232>
208. **Алексеев, А.Г.** Приложение асимптотических методов к расчету электрослабых поправок в поляризационном Баба-рассеянии / А.Г.Алексеев, С.Г.Барканова, Ю.М.Быстрицкий, В.А.Зыкунов // *Ядерная физика*. – 2020. – Т.83, №2. – с.159-184. - Библиогр.:23.
http://inis.jinr.ru/sl/NTBLIB/42414391_34040505.pdf
209. **Алексеев, А.Г.** Электрослабые поправки с учетом жесткого тормозного излучения в поляризационном Баба-рассеянии / А.Г.Алексеев, С.Г.Барканова, Ю.М.Быстрицкий, В.А.Зыкунов // *Ядерная физика*. – 2020. – Т.83, №3. – с.246-262. - Библиогр.:21.
http://inis.jinr.ru/sl/NTBLIB/42687682_35424783.pdf
210. **Алексеев, А.Г.** Электрослабые радиационные поправки к процессу Баба-рассеяния на уровне одной петли в эксперименте Belle II / А.Г.Алексеев, С.Г.Барканова, Ю.М.Быстрицкий, В.А.Зыкунов // *Физика элементарных частиц и атомного ядра*. – 2020. – Т.51, №4. – с.763-772. - Библиогр.:4.
http://www1.jinr.ru/Pepan/v-51-4/48_Alekseev.pdf
211. **Бедняков, А.В.** Легкие скаляры в НМССМ и угловые наблюдаемые в распаде $B \rightarrow K^* \Pi$ / А.В.Бедняков, А.И.Мухаева // *Физика элементарных частиц и атомного ядра*. – 2020. – Т.51, №4. – с.753-762. - Библиогр.:17.
http://www1.jinr.ru/Pepan/v-51-4/47_Bednyakov.pdf

212. **Бухбиндер, И.Л.** Безмассовые представления бесконечного спина / И.Л.Бухбиндер, А.П.Исаев, С.Федорук // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – с.611-620. - Библиогр.:29.
http://www1.jinr.ru/Pepan/v-51-4/30_Bukhbinder.pdf
213. **Волчанский, Н.И.** Двухпетлевой мастер-интеграл диаграммы типа "кайт" для коррелятора двух составных вершин / Н.И.Волчанский, С.В.Михайлов // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – с.707-716. - Библиогр.:6.
http://www1.jinr.ru/Pepan/v-51-4/42_Volchanskiy.pdf
214. **Голубцова, А.А.** Петли Вильсона в точных голографических ренормгрупповых потоках при нулевой и конечной температурах / А.А.Голубцова, В.Х.Нгуен // Теоретическая и математическая физика. – 2020. – Т.202, №2. – с.243-263. - Библиогр.:65.
<https://doi.org/10.4213/tmf9820>
215. **Захаров, В.И.** Проявление квантовых аномалий теории поля в квантовой статистической механике / В.И.Захаров, Г.Ю.Прохоров, О.В.Теряев // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – с.568-581. - Библиогр.:23.
http://www1.jinr.ru/Pepan/v-51-4/24_Zaharov.pdf
216. **Иванов, Е.А.** Суперсимметричные модели Калоджеро из суперполевого калибрования / Е.А.Иванов, О.Лехтенфельд, С.Федорук // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – с.621-631. - Библиогр.:31.
http://www1.jinr.ru/Pepan/v-51-4/31_Ivanov.pdf
217. **Иванов, М.А.** Нелептонные распады дважды очарованных барионов / М.А.Иванов, Ю.Г.Кернер, В.Е.Любовицкий // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – с.794-806. - Библиогр.:33.
http://www1.jinr.ru/Pepan/v-51-4/54_Ivanov.pdf
218. **Казаков, Д.И.** R-операция Боголюбова в неперенормируемых теориях / Д.И.Казаков // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – с.545-500. - Библиогр.:8.
http://www1.jinr.ru/Pepan/v-51-4/22_Kazakov.pdf
219. **Коробов, В.И.** Спектроскопия HD^+ : зарядовый радиус протона и константа Ридберга / В.И.Коробов // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – с.808-817. - Библиогр.:20.
http://www1.jinr.ru/Pepan/v-51-4/56_Korob.pdf
220. **Мартинович, Любомир.** Пертурбативные и непертурбативные исследования в теории поля в переменных светового фронта и операторные решения некоторых двумерных моделей : автореф. дис... д-ра физ.-мат. наук: 01.04.02 / Любомир Мартинович. – Дубна : ОИЯИ, 2020. – 51 с. : ил. - Библиогр.: с. 48-51. – Дис. см.: Martinovic, L. Perturbative and Non-Perturbative Studies in Light-Front Field Theory and Operator Solutions of Some Two-Dimensional Models. – Текст англ.
http://inis.jinr.ru/sl/NTBLIB/Martinovich_L.pdf
221. **Нефедов, М.А.** Двухструйные корреляции в многоструйных событиях в реджевском пределе КХД / М.А.Нефедов, В.А.Салеев // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – с.821-830. - Библиогр.:29.
http://www1.jinr.ru/Pepan/v-51-4/60_Nefedov.pdf

222. **Осипов, А.А.** Правило сумм Намбу в модели с двумя дублетами составных хиггсовских полей / А.А.Осипов, М.М.Халифа // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №3. – с.253-264. - Библиогр.:27.

http://www1.jinr.ru/Pepan_letters/panl_2020_3/03_Osipov.pdf

223. **Спиридонов, В.П.** Суперконформные индексы, дуальности Зайберга и специальные функции / В.П.Спиридонов // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – с.556-567. - Библиогр.:28.

http://www1.jinr.ru/Pepan/v-51-4/23_Spiridonov.pdf

224. **Тарасов, О.В.** Аномальные размерности масс кварков в трехпетлевом приближении / О.В.Тарасов // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №2. – с.97-106. - Библиогр.:12.

http://www1.jinr.ru/Pepan_letters/panl_2020_2/01_Tarasov.pdf

С 325 Статистическая физика и термодинамика /
Statistical Physics and Thermodynamics

225. **Bica, I.** Graphene Platelets-Based Magnetoactive Materials with Tunable Magnetoelectric and Magnetodielectric Properties / I.Bica, E.M.Anitas // *Nanomaterials* [Electronic resource]. – 2020. – Vol.10, No.9. – p.1783. - Bibliogr.:32.
<https://doi.org/10.3390/nano10091783>
226. **Capozziello, S.** Chern-Simons Current of Left and Right Chiral Superspace in Graphene Wormhole / S.Capozziello, R.Pincak, E.Bartos // *Symmetry* [Electronic resource]. – 2020. – Vol.12, No.5. – p.774. - Bibliogr.:45.
<https://doi.org/10.3390/sym12050774>
227. **Jurcisinova, E.** Anomalous Dimensions of Leading Composite Operators in the Kinematic MHD Turbulence: Two-Loop Renormalization Group Analysis : [Abstract] / E.Jurcisinova, M.Jurcisin, R.Remecky // *Физика элементарных частиц и атомного ядра*. – 2020. – Т.51, №4. – p.950.
http://www1.jinr.ru/Pepan/v-51-4/78_Jurcicnova_ann.pdf
228. **Kolesnikov, D.V.** Electron-Hole Asymmetry in Electrical Conductivity of Low-Fluorinated Graphene: Numerical Study / D.V.Kolesnikov, V.A.Osipov // *The European Physical Journal B* [Electronic resource]. – 2020. – Vol.93, No.4. – p.64. - Bibliogr.:27.
<https://doi.org/10.1140/epjb/e2020-100508-3>
229. **Kuzemsky, A.L.** Time Evolution of Open Nonequilibrium Systems and Irreversibility : [Abstract] / A.L.Kuzemsky // *Физика элементарных частиц и атомного ядра*. – 2020. – Т.51, №4. – p.894.
http://www1.jinr.ru/Pepan/v-51-4/70_Kuzemsky_ann.pdf
230. **Lucia, U.** Time, Irreversibility and Entropy Production in Nonequilibrium Systems : [Review] / U.Lucia, G.Grisolia, A.L.Kuzemsky // *Entropy* [Electronic resource]. – 2020. – Vol.22, No.8. – p.887. - Bibliogr.:88.
<https://doi.org/10.3390/e22080887>
231. **Makhaldiani, N.** Unified Theory of Dynamical Systems with Applications Including Biological Systems / N.Makhaldiani // *Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts*. – Dubna : JINR, 2020. – p.210. - Bibliogr.:3. – (JINR ; E3-2020-19).
232. **Pichugin, K.** Kramers Degeneracy and Spin Inversion in a Lateral Quantum Dot / K.Pichugin, A.Puente, R.Nazmitdinov // *Symmetry* [Electronic resource]. – 2020. – Vol.12, No.12. – p.2043. - Bibliogr.:46.
<https://doi.org/10.3390/sym12122043>
233. **Pudlak, M.** On Symmetry Properties of the Corrugated Graphene System / M.Pudlak, J.Smotlacha, R.Nazmitdinov // *Symmetry* [Electronic resource]. – 2020. – Vol.12, No.4. – p.533. - Bibliogr.:25.
<https://doi.org/10.3390/sym12040533>

234. **Pudlak, M.** Spin-Dependent Electron Transmission Across the Corrugated Graphene / M.Pudlak, R.G.Nazmitdinov // Physica E [Electronic resource]. – 2020. – Vol.118. – p.113846. - Bibliogr.:16.
<https://doi.org/10.1016/j.physe.2019.113846>
235. **Schmelzer, J.W.P.** Effects of Glass Transition and Structural Relaxation on Crystal Nucleation: Theoretical Description and Model Analysis / J.W.P.Schmelzer, T.V.Tropin [a.o.] // Entropy [Electronic resource]. – 2020. – Vol.22, No.10. – p.1098. - Bibliogr.:113.
<https://doi.org/10.3390/e22101098>
236. **Smolyansky, S.A.** Kinetic Equation Approach to Graphene in Strong External Fields / S.A.Smolyansky, A.D.Panferov, D.B.Blaschke, N.T.Gevorgyan // Particles [Electronic resource]. – 2020. – Vol.3, No.2. – p.456-476. - Bibliogr.:43.
<https://doi.org/10.3390/particles3020032>
237. **Tomchuk, O.V.** Revealing the Structure of Composite Nanodiamond–Graphene Oxide Aqueous Dispersions by Small-Angle Scattering / O.V.Tomchuk, M.V.Avdeev, O.I.Ivankov, D.V.Soloviov, A.I.Kuklin, V.L.Aksenov [et al.] // Diamond and Related Materials [Electronic resource]. – 2020. – Vol.103. – p.107670. - Bibliogr.:35.
<https://doi.org/10.1016/j.diamond.2019.107670>
238. **Yukalov, V.I.** Self-Similar Extrapolation of Nonlinear Problems from Small-Variable to Large-Variable Limit / V.I.Yukalov, E.P.Yukalova // International Journal of Modern Physics B [Electronic resource]. – 2020. – Vol.34, No.21. – p.2050208. - Bibliogr.:55.
<https://doi.org/10.1142/S0217979220502082>
239. **Никонов, Э.Г.** Математическое исследование паропроницаемости поверхностного слоя вещества с однородной пористой структурой / Э.Г.Никонов, М.Поповичова // Поверхность. – 2020. – №3. – с.95-102. - Библиогр.:22.
<https://doi.org/10.1134/S1027451020020305>

**С 326 Квантовая теория систем из многих частиц. Квантовая статистика /
Quantum Many-Particle Theory. Quantum Statistics**

240. **Abbasli, N.** On Measures of Classicality/Quantumness in Quasiprobability Representations of Finite-Dimensional Quantum Systems : [Abstract] / N.Abbasli, V.Abgaryan, M.Bures, A.Khvedelidze, I.Rogojin, A.Torosyan // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – p.469.
http://www1.jinr.ru/Pepan/v-51-4/11_Abbasli_ann.pdf
241. **Barashenkov, I.V.** Stable Solitons in a Nearly PT-Symmetric Ferromagnet with Spin-Transfer Torque / I.V.Barashenkov, A.Chernyavsky // Physica D [Electronic resource]. – 2020. – Vol.409. – p.132481. - Bibliogr.:29.
<https://doi.org/10.1016/j.physd.2020.132481>
242. **Batyuk, P.N.** Femtoscopy with Identified Charged Particles for the NICA Energy Range : [Abstract] / P.N.Batyuk, L.V.Malinina, K.R.Mikhaylov, G.A.Nigmatkulov // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №3. – p.331.
http://www1.jinr.ru/Pepan/v-51-3/07_Batyuk_ann.pdf
243. **Chevizovich, D.** On the Propagation of Short Electromagnetic Pulses Through Quantum Metamaterials : [Abstract] / D.Chevizovich, Z.Ivic, A.Chizhov // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – p.949.
http://www1.jinr.ru/Pepan/v-51-4/77_Chevizovich_ann.pdf
244. **Hovhannisyan, A.A.** Asymptotic Equilibrium in Quantum System Fully Coupled Simultaneously to Mixed Fermionic–Bosonic Heat Baths / A.A.Hovhannisyan, V.V.Sargsyan, G.G.Adamian, N.V.Antonenko, D.Lacroix // Physica A [Electronic resource]. – 2020. – Vol.545. – p.123653. - Bibliogr.:33.
<https://doi.org/10.1016/j.physa.2019.123653>
245. **Hovhannisyan, A.A.** Non-Markovian Dynamics of Quantum Systems Coupled with Several Mixed Fermionic-Bosonic Heat Baths / A.A.Hovhannisyan, V.V.Sargsyan, G.G.Adamian, N.V.Antonenko, D.Lacroix // Physical Review E [Electronic resource]. – 2020. – Vol.101, No.6. – p.062115. - Bibliogr.:34.
<https://doi.org/10.1103/PhysRevE.101.062115>
246. **Ivantsov, I.** Stable and Metastable Kinetic Ferromagnetism on a Ring / I.Ivantsov, H.B.Xavier, A.Ferraz, E.Kochetov // Physical Review B [Electronic resource]. – 2020. – Vol.101, No.19. – p.195107. - Bibliogr.:17.
<https://doi.org/10.1103/PhysRevB.101.195107>
247. **Jurcisinova, E.** Critical Temperatures and Critical Concentrations in Diluted Magnetic Systems: General Solution of the Ising Model in Effective-Field Theory Approach / E.Jurcisinova, M.Jurcisin // Physica A [Electronic resource]. – 2020. – Vol.540. – p.123160. - Bibliogr.:25.
<https://doi.org/10.1016/j.physa.2019.123160>

248. **Jurcisinova, E.** Ground States, Residual Entropies, and Specific Heat Capacity Properties of Frustrated Ising System on Pyrochlore Lattice in Effective Field Theory Cluster Approximations / E.Jurcisinova, M.Jurcin // *Physica A* [Electronic resource]. – 2020. – Vol.554. – p.124671. - Bibliogr.:36.
<https://doi.org/10.1016/j.physa.2020.124671>
249. **Lacroix, D.** Non-Markovian Modeling of Fermi-Bose Systems Coupled to One or Several Fermi-Bose Thermal Baths / D.Lacroix, V.V.Sargsyan, G.G.Adamian, N.V.Antonenko, A.A.Hovhannisyanyan // *Physical Review A* [Electronic resource]. – 2020. – Vol.102, No.2. – p.022209. - Bibliogr.:47.
<https://doi.org/10.1103/PhysRevA.102.022209>
250. **Lednický, R.** Correlation Femtoscopy: Origins and Achievements : [Abstract] / R.Lednický // *Физика элементарных частиц и атомного ядра*. – 2020. – Т.51, №3. – p.325.
http://www1.jinr.ru/Pepan/v-51-3/01_Lednický_ann.pdf
251. **Parvan, A.S.** Equivalence of the Phenomenological Tsallis Distribution to the Transverse Momentum Distribution of q-Dual Statistics / A.S.Parvan // *The European Physical Journal A* [Electronic resource]. – 2020. – Vol.56, No.4. – p.106. - Bibliogr.:25.
<https://doi.org/10.1140/epja/s10050-020-00117-9>
252. **Parvan, A.S.** Hadron Transverse Momentum Distributions of the Tsallis Normalized and Unnormalized Statistics / A.S.Parvan, T.Bhattacharyya // *The European Physical Journal A* [Electronic resource]. – 2020. – Vol.56, No.2. – p.72. - Bibliogr.:62.
<https://doi.org/10.1140/epja/s10050-020-00083-2>
253. **Trofimova, A.A.** Current Statistics in the q-Boson Zero Range Process / A.A.Trofimova, A.M.Povolotsky // *Journal of Physics A: Mathematical and Theoretical*. – 2020. – Vol.53, No.36. – p.365203. - Bibliogr.:87.
<https://doi.org/10.1088/1751-8121/aba026>
254. **Voskresensky, D.N.** Vector-Boson Condensates, Spin-Triplet Superfluidity of Paired Neutral and Charged Fermions, and $3P_2$ Pairing of Nucleons / D.N.Voskresensky // *Physical Review D* [Electronic resource]. – 2020. – Vol.101, No.5. – p.056011. - Bibliogr.:109.
<https://doi.org/10.1103/PhysRevD.101.056011>
255. **Xavier, H.B.** Onset of Ferromagnetism for Strongly Correlated Electrons in One-Dimensional Chains / H.B.Xavier, E.Kochetov, A.Ferraz // *Physical Review B* [Electronic resource]. – 2020. – Vol.101, No.4. – p.045112. - Bibliogr.:21.
<https://doi.org/10.1103/PhysRevB.101.045112>
256. **Yukalov, V.I.** Characteristic Quantities for Nonequilibrium Bose Systems / V.I.Yukalov, A.N.Novikov, E.P.Yukalova, V.S.Bagnato // *Journal of Physics: Conference Series* [Electronic resource]. – 2020. – Vol.1508. – p.012006. - Bibliogr.:20.
<https://doi.org/10.1088/1742-6596/1508/1/012006>
257. **Yukalov, V.I.** Evolutionary Processes in Quantum Decision Theory / V.I.Yukalov // *Entropy* [Electronic resource]. – 2020. – Vol.22, No.6. – p.681. - Bibliogr.:122.
<https://doi.org/10.3390/e22060681>

258. **Yukalov, V.I.** From Optical Lattices to Quantum Crystals / V.I.Yukalov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1508. – p.012008. - Bibliogr.:26.
<https://doi.org/10.1088/1742-6596/1508/1/012008>
259. **Yukalov, V.I.** Hartree-Fock-Bogolubov Method in the Theory of Bose-Condensed Systems : [Abstract] / V.I.Yukalov, E.P.Yukalova // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – p.963.
http://www1.jinr.ru/Pepan/v-51-4/80_Yukalov_ann.pdf
260. **Yukalov, V.I.** Order Indices and Entanglement Production in Quantum Systems : [Review] / V.I.Yukalov // Entropy [Electronic resource]. – 2020. – Vol.22, No.5. – p.565. - Bibliogr.:145.
<https://doi.org/10.3390/e22050565>
261. **Yukalov, V.I.** Saga of Superfluid Solids / V.I.Yukalov // Physics [Electronic resource]. – 2020. – Vol.2, No.1. – p.49-66. - Bibliogr.:205.
<https://doi.org/10.3390/physics2010006>
262. **Zad, H.A.** Spin-1/2 Ising-Heisenberg Cairo Pentagonal Model in the Presence of an External Magnetic Field: Effect of Lande g-Factors / H.A.Zad, A.Trombettoni, N.Ananikian // The European Physical Journal B [Electronic resource]. – 2020. – Vol.93, No.11. – p.200. - Bibliogr.:59.
<https://doi.org/10.1140/epjb/e2020-10213-4>
263. **Zakharov, V.I.** Acceleration and Rotation in Quantum Statistical Theory / V.I.Zakharov, G.Y.Prokhorov, O.V.Teryaev // Physica Scripta. – 2020. – Vol.95, No.8. – p.084001. - Bibliogr.:46.
<https://doi.org/10.1088/1402-4896/ab996b>
264. **Мачавариани, А.** S-матричный метод Боголюбова-Медведева-Поливанова и его приложения к системам нескольких частиц и в физике высоких энергий / А.Мачавариани // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – с.654-664. - Библиогр.:6.
http://www1.jinr.ru/Pepan/v-51-4/35_Machavariani.pdf
265. **Сыщенко, В.В.** Структура областей регулярного движения в фазовом пространстве каналированных электронов / В.В.Сыщенко, А.И.Тарновский, А.Ю.Исупов, И.И.Соловьев // Поверхность. – 2020. – №3. – с.103-108. - Библиогр.:15.
<https://doi.org/10.1134/S1027451020020354>

C 33 а Нанопизика. Нанотехнология/Nanophysics. Nanotechnology

266. **Almessiere, M.A.** Correlation between Microstructure Parameters and Anti-Cancer Activity of the $[\text{Mn}_{0.5}\text{Zn}_{0.5}](\text{Eu}_x\text{Nd}_x\text{Fe}_{2-2x})\text{O}_4$ Nanoferrites Produced by Modified Sol-Gel and Ultrasonic Methods / M.A.Almessiere, V.A.Turchenko [et al.] // *Ceramics International* [Electronic resource]. – 2020. – Vol.46, No.6. – p.7346-7354. - Bibliogr.:41.
<https://doi.org/10.1016/j.ceramint.2019.11.230>
267. **Bakbolat, B.** Recent Developments of TiO_2 -Based Photocatalysis in the Hydrogen Evolution and Photodegradation: a Review / B.Bakbolat, C.Daulbayev, I.Chuprakov [a.o.] // *Nanomaterials* [Electronic resource]. – 2020. – Vol.10, No.9. – p.1790. - Bibliogr.:97.
<https://doi.org/10.3390/nano10091790>
268. **Bica, I.** Hybrid Magnetorheological Composites for Electric and Magnetic Field Sensors and Transducers / I.Bica, E.M.Anitas, L.Chirigiu // *Nanomaterials* [Electronic resource]. – 2020. – Vol.10, No.10. – p.2060. - Bibliogr.:38.
<https://doi.org/10.3390/nano10102060>
269. **Bica, I.** Influence of a Transverse Magnetic Field and of Hydrostatic Pressure on the Elasticity State of Anisotropic Magnetorheological Elastomers / I.Bica, E.M.Anitas, M.Bunoiu // *Romanian Reports in Physics*. – 2020. – Vol.72, No.3. – p.505. - Bibliogr.:21.
<http://www.rp.infim.ro/2020/AN72505.pdf>
270. **Bica, I.** Magnetic Control of Light Transmission and of Electrical Conductivity in (Hybrid) Magnetorheological Suspensions Based on Bioactive Components / I.Bica, E.M.Anitas, L.M.E.Averis // *Romanian Journal of Physics*. – 2020. – Vol.65, No.5/6. – p.605. - Bibliogr.:24.
https://rjp.nipne.ro/2020_65_5-6/RomJPhys.65.605.pdf
271. **Cepoi, L.** Effects of PEG-Coated Silver and Gold Nanoparticles on *Spirulina platensis* Biomass During Its Growth in a Closed System / L.Cepoi, I.Zinicovscaia, V.Turchenko [a.o.] // *Coatings* [Electronic resource]. – 2020. – Vol.10, No.8. – p.717. - Bibliogr.:54.
<https://doi.org/10.3390/coatings10080717>
272. **Chilom, C.G.** Exploring the Conformation and Thermal Stability of Human Serum Albumin Corona of Ferrihydrite Nanoparticles / C.G.Chilom, M.Balasoii, O.Orelovich [a.o.] // *International Journal of Molecular Sciences* [Electronic resource]. – 2020. – Vol.21, No.24. – p.9734. - Bibliogr.:48.
<https://doi.org/10.3390/ijms21249734>
273. **Chilom, C.G.** Ferrihydrite Nanoparticles Insights: Structural Characterization, Lactate Dehydrogenase Binding and Virtual Screening Assay / C.G.Chilom, M.Balasoii, A.V.Rogachev [et al.] // *International Journal of Biological Macromolecules* [Electronic resource]. – 2020. – Vol.164. – p.3559-3567. - Bibliogr.:64.
<https://doi.org/10.1016/j.jbiomac.2020.08.242>
274. **Chudoba, D.** Kinetic and Equilibrium Studies of Doxorubicin Adsorption onto Carbon Nanotubes / D.Chudoba, K.Ludzik, M.Jazdzewska, S.Woloszczuk // *International Journal of Molecular Sciences* [Electronic resource]. – 2020. – Vol.21, No.21. – p.8230. - Bibliogr.:74.
<https://doi.org/10.3390/ijms21218230>

275. **Egizbek, K.** Stability and Cytotoxicity Study of NiFe₂O₄ Nanocomposites Synthesized by co-Precipitation and Subsequent Thermal Annealing / K.Egizbek, K.Ludzik, M.Jazdzewska, D.Chudoba, A.Nazarova [et al.] // *Ceramics International* [Electronic resource]. – 2020. – Vol.46, No.10, Part B. – p.16548-16555. - Bibliogr.:52.
<https://doi.org/10.1016/j.ceramint.2020.03.222>
276. **Fadeev, M.** Iron Oxide @ Gold Nanoparticles: Synthesis, Properties and Potential Use as Anode Materials for Lithium-Ion Batteries / M.Fadeev, A.Nazarova, D.Chudoba [et al.] // *Colloids and Surfaces A: Physicochemical and Engineering Aspects* [Electronic resource]. – 2020. – Vol.603. – p.125178. - Bibliogr.:66.
<https://doi.org/10.1016/j.colsurfa.2020.125178>
277. **Hrubovcak, P.** Magnetic Relaxation Process Determination in the Co/Au Nanoparticle System / P.Hrubovcak, A.Zelenakova, V.Zelenak [et al.] // *Physical Review B* [Electronic resource]. – 2020. – Vol.102, No.2. – p.024433. - Bibliogr.:64.
<https://doi.org/10.1103/PhysRevB.102.024433>
278. **Huran, J.** Very Thin N-Doped Nanostructured Carbon Films on Quartz and Sapphire Substrate: Photoelectron Emission Properties / J.Huran, N.I.Balalykin, M.A.Nozdryn, A.P.Kobzev [et al.] // *Thin Solid State* [Electronic resource]. – 2020. – Vol.709. – p.138200. - Bibliogr.:23.
<https://doi.org/10.1016/j.tsf.2020.138200>
279. **Lackova, V.** Bio-Inorganic Nanocomposites of Lysozyme Amyloid Fibrils and Magnetic Nanoparticles of Different Shape Anisotropy / V.Lackova, N.Tomasovicova, A.Olejniczak [et al.] // *Journal of Magnetism and Magnetic Materials* [Electronic resource]. – 2020. – Vol.502. – p.166515. - Bibliogr.:27.
<https://doi.org/10.1016/j.jmmm.2020.166515>
280. **Lysenko, S.N.** Preparation and Magneto-Optical Behavior of Ferrofluids with Anisometric Particles / S.N.Lysenko, M.Balasoiu, A.I.Kuklin, Yu.S.Kovalev, V.A.Turchenko [a.o.] // *Physica Scripta*. – 2020. – Vol.95, No.4. – p.044007. - Bibliogr.:37.
<https://doi.org/10.1088/1402-4896/ab6797>
281. **Molchanov, V.S.** Living Micelles-Nanoparticles Networks / V.S.Molchanov, A.V.Rogachev, A.I.Kuklin [a.o.] // *Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts*. – Dubna : JINR, 2020. – p.83. - Bibliogr.:5. – (JINR ; E3-2020-19).
282. **Molchanov, V.S.** Soft Nanocomposites Based on Nanoclay Particles and Mixed Wormlike Micelles of Surfactants / V.S.Molchanov, M.A.Efremova, A.V.Rogachev [et al.] // *Journal of Molecular Liquids* [Electronic resource]. – 2020. – Vol.314. – p.113684. - Bibliogr.:76.
<https://doi.org/10.1016/j.molliq.2020.113684>
283. **Nabiyev, A.A.** Influence of Nanoparticle Weight Fraction on Morphology and Thermal Properties of HDPE/SiO₂ Composite Films / A.A.Nabiyev // *Eurasian Journal of Physics and Functional Materials* [Electronic resource]. – 2020. – Vol.4, No.1. – p.38-49. - Bibliogr.:19.
<https://doi.org/10.29317/ejpfm.2020040105>

284. **Nabiyev, A.A.** Nano-ZrO₂ Filled High-Density Polyethylene Composites: Structure, Thermal Properties, and the Influence γ -Irradiation / A.A.Nabiyev, A.Olejniczak, A.Pawlukojc, M.Balasoju, A.K.Azhibekov, O.I.Ivankov, O.Yu.Ivanshina, V.A.Turchenko, A.I.Kuklin [et al.] // Polymer Degradation and Stability [Electronic resource]. – 2020. – Vol.171. – p.109042. - Bibliogr.:56.
<https://doi.org/10.1016/j.polymdegradstab.2019.109042>
285. **Racuciu, M.** Study on the Granularity of Magnetic Nanoparticles in Aqueous Suspensions. Theoretical and Experimental Approach / M.Racuciu, L.Barbu-Tudoran, M.Balasoju [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.185-186. - Bibliogr.:3. – (JINR ; E3-2020-19).
286. **Socoliuc, V.** Magnetic Nanoparticle Systems for Nanomedicine - A Materials Science Perspective : [Review] / V.Socoliuc, V.I.Petrenko, M.V.Avdeev [a.o.] // Magnetochemistry [Electronic resource]. – 2020. – Vol.6, No.1. – p.2. - Bibliogr.:169.
<https://doi.org/10.3390/magnetochemistry6010002>
287. **Yakimchuk, D.V.** Morphology and Microstructure Evolution of Gold Nanostructures in the Limited Volume Porous Matrices / D.V.Yakimchuk, G.M.Arzumanyan, K.Z.Mamatkulov [a.o.] // Sensors [Electronic resource]. – 2020. – Vol.20, No.16. – p.4397. - Bibliogr.:36.
<https://doi.org/10.3390/s20164397>
288. **Сарапулова, В.В.** Электрохимические свойства ультрафильтрационных и нанофильтрационных мембран в растворах хлоридов натрия и кальция / В.В.Сарапулова, Е.Л.Пасечная, П.Ю.Апель [и др.] // Мембраны и мембранные технологии. – 2020. – Т.10, №5. – с.350-370. - Библиогр.:64.
<https://doi.org/10.1134/S2218117220050065>

289. **Ablikim, M.** Σ^+ and $\bar{\Sigma}^-$ Polarization in the J/ψ and $\psi(3686)$ Decays / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol. 125, No.5. – p.052004. - Bibliogr.:30.

<https://doi.org/10.1103/PhysRevLett.125.052004>

290. **Ablikim, M.** Cross Section Measurement of $e^+e^- \rightarrow \eta' J/\psi$ from $\sqrt{s}=4.178$ to 4.600 GeV / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.1. – p.012008. - Bibliogr.:28.

<https://doi.org/10.1103/PhysRevD.101.012008>

291. **Ablikim, M.** Determination of Strong-Phase Parameters in $D \rightarrow K^0_{S,L} \pi^+ \pi^-$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol. 124, No.24. – p.241802. - Bibliogr.:36.

<https://doi.org/10.1103/PhysRevLett.124.241802>

292. **Ablikim, M.** First Measurements of $\chi_{cJ} \rightarrow \Sigma^+ \bar{\Sigma}^-(J=0,1,2)$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.9. – p.092002. - Bibliogr.:26.

<https://doi.org/10.1103/PhysRevD.101.092002>

293. **Ablikim, M.** First Observation of $D^+ \rightarrow \eta \mu^+ \nu_\mu$ and Measurement of Its Decay Dynamics / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.23. – p.231801. - Bibliogr.:61.

<https://doi.org/10.1103/PhysRevLett.124.231801>

294. **Ablikim, M.** Future Physics Programme of BESIII / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Chinese Physics C [Electronic resource]. – 2020. – Vol.44, No.4. – p.040001. - Bibliogr.:5.

<https://doi.org/10.1088/1674-1137/44/4/040001>

295. **Ablikim, M.** Improved Model-Independent Determination of the Strong-Phase Difference

Between D^0 and $\bar{D}^0 \rightarrow K^0_{S,L} K^+ K^-$ Decays / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol. 102, No.5. – p.052008. - Bibliogr.:47.

<https://doi.org/10.1103/PhysRevD.102.052008>

296. **Ablikim, M.** Inclusive Charged and Neutral Particle Multiplicity Distributions in χ_{cJ} and J/ψ Decays / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.5. – p.052001. - Bibliogr.:13.

<https://doi.org/10.1103/PhysRevD.102.052001>

297. **Ablikim, M.** Measurement of Cross Sections for $e^+e^- \rightarrow \mu^+\mu^-$ at Center-of-Mass Energies from 3.80 to 4.60 GeV / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.11. – p.112009. - Bibliogr.:29.
<https://doi.org/10.1103/PhysRevD.102.112009>
298. **Ablikim, M.** Measurement of $J/\psi \rightarrow \Xi(1530)^-\bar{\Xi}^+$ and Evidence for the Radiative Decay $\Xi(1530)^- \rightarrow \gamma \Xi^-$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.1. – p.012004. - Bibliogr.:35.
<https://doi.org/10.1103/PhysRevD.101.012004>
299. **Ablikim, M.** Measurement of Proton Electromagnetic Form Factors in $e^+e^- \rightarrow p\bar{p}$ in the Energy Region 2.00-3.08 GeV / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.4. – p.042001. - Bibliogr.:26.
<https://doi.org/10.1103/PhysRevLett.124.042001>
300. **Ablikim, M.** Measurement of Singly Cabibbo-Suppressed Decays $D \rightarrow \omega \pi \pi$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.5. – p.052003. - Bibliogr.:27.
<https://doi.org/10.1103/PhysRevD.102.052003>
301. **Ablikim, M.** Measurement of the Absolute Branching Fraction of the Inclusive Decay $\Lambda^+_c \rightarrow K^0_S X$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.10. – p.935. - Bibliogr.:28.
<https://doi.org/10.1140/epjc/s10052-020-08447-0>
302. **Ablikim, M.** Measurement of the Born Cross Sections for $e^+e^- \rightarrow D^{*+}_s D_{s1}(2460)^- + c.c.$ and $e^+e^- \rightarrow D^{*+}_s D_{s1}(2460)^- + c.c.$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.11. – p.112008. - Bibliogr.:44.
<https://doi.org/10.1103/PhysRevD.101.112008>
303. **Ablikim, M.** Measurement of the Cross Section for $e^+e^- \rightarrow \Xi^-\bar{\Xi}^+$ and Observation of an Excited Ξ Baryon / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.3. – p.032002. - Bibliogr.:41.
<https://doi.org/10.1103/PhysRevLett.124.032002>
304. **Ablikim, M.** Measurements of Absolute Branching Fractions of Fourteen Exclusive Hadronic D Decays to η / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.24. – p.241803. - Bibliogr.:53.
<https://doi.org/10.1103/PhysRevLett.124.241803>

305. **Ablikim, M.** Measurements of the Absolute Branching Fractions of $D^0(+) \rightarrow K\bar{K}\pi\pi$ Decays / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.5. – p.052006. - Bibliogr.:42.
<https://doi.org/10.1103/PhysRevD.102.052006>
306. **Ablikim, M.** Model-Independent Determination of the Relative Strong-Phase Difference Between D^0 and $\bar{D}^0 \rightarrow K_{S,L}^0 \pi^+ \pi^-$ and its Impact on the Measurement of the CKM Angle γ/ϕ_3 / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.11. – p.112002. - Bibliogr.:50.
<https://doi.org/10.1103/PhysRevD.101.112002>
307. **Ablikim, M.** Observation of $D^+ \rightarrow \eta\eta\pi^+$ and Improved Measurement of $D^0(+) \rightarrow \eta\pi^+\pi^{-(0)}$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.5. – p.052009. - Bibliogr.:27.
<https://doi.org/10.1103/PhysRevD.101.052009>
308. **Ablikim, M.** Observation of $X(2370)$ and Search for $X(2120)$ in $J/\psi \rightarrow \gamma K\bar{K}\eta'$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.8. – p.746. - Bibliogr.:28.
<https://doi.org/10.1140/epjc/s10052-020-8078-4>
309. **Ablikim, M.** Observation of a Resonant Structure in $e^+e^- \rightarrow K^+K^-\pi^0\pi^0$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.11. – p.112001. - Bibliogr.:44.
<https://doi.org/10.1103/PhysRevLett.124.112001>
310. **Ablikim, M.** Observation of a Structure in $e^+e^- \rightarrow \phi\eta'$ at \sqrt{s} from 2.05 to 3.08 GeV / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.1. – p.012008. - Bibliogr.:47.
<https://doi.org/10.1103/PhysRevD.102.012008>
311. **Ablikim, M.** Observation of the Decays $\chi_{cJ} \rightarrow \Sigma^0 \bar{p}K^+ + c.c.$ ($J=0,1,2$) / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, I.Denysenko, D.Dedovich, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.9. – p.092006. - Bibliogr.:27.
<https://doi.org/10.1103/PhysRevD.102.092006>
312. **Ablikim, M.** Observation of the Decays $\chi_{cJ} \rightarrow \phi\phi\eta$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.1. – p.012012. - Bibliogr.:27.
<https://doi.org/10.1103/PhysRevD.101.012012>

313. **Ablikim, M.** Observation of the Semimuonic Decay $D^+ \rightarrow \omega \mu^+ \nu_\mu$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.7. – p.072005. - Bibliogr.:38.
<https://doi.org/10.1103/PhysRevD.101.072005>
314. **Ablikim, M.** Observation of the Y(4220) and Y(4390) in the Process $e^+e^- \rightarrow \eta J/\psi$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.3. – p.031101(R). - Bibliogr.:46.
<https://doi.org/10.1103/PhysRevD.102.031101>
315. **Ablikim, M.** Partial Wave Analysis of $\psi(3686) \rightarrow K^+ K^- \eta$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.3. – p.032008. - Bibliogr.:40.
<https://doi.org/10.1103/PhysRevD.101.032008>
316. **Ablikim, M.** Precise Measurements of Branching Fractions for D_s^+ Meson Decays to Two Pseudoscalar Mesons / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.8. – p.146. - Bibliogr.:33.
[https://doi.org/10.1007/JHEP08\(2020\)146](https://doi.org/10.1007/JHEP08(2020)146)
317. **Ablikim, M.** Search for Baryon and Lepton Number Violating Decays $D^+ \rightarrow \bar{\Lambda}(\bar{\Sigma}^0) e^+$ and $D^+ \rightarrow \Lambda(\Sigma^0) e^+$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.3. – p.031102(R). - Bibliogr.:27.
<https://doi.org/10.1103/PhysRevD.101.031102>
318. **Ablikim, M.** Search for Intermediate Resonances and Dark Gauge Bosons in $J/\psi \rightarrow \gamma \pi^0 \eta'$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.5. – p.052005. - Bibliogr.:29.
<https://doi.org/10.1103/PhysRevD.102.052005>
319. **Ablikim, M.** Search for New Hadronic Decays of h_c and Observation of $h_c \rightarrow K^+ K^- \pi^+ \pi^0$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.11. – p.112007. - Bibliogr.:32.
<https://doi.org/10.1103/PhysRevD.102.112007>
320. **Ablikim, M.** Search for the Decay $J/\psi \rightarrow \gamma + \text{Invisible}$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.11. – p.112005. - Bibliogr.:36.
<https://doi.org/10.1103/PhysRevD.101.112005>

321. **Ablikim, M.** Search for the Rare Decay $\eta' \rightarrow \pi^0 \pi^0 \pi^0 \pi^0$ at BESIII / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.3. – p.032001. - Bibliogr.:27.
<https://doi.org/10.1103/PhysRevD.101.032001>
322. **Ablikim, M.** Search for the Semileptonic Decay $D^{0(*)} \rightarrow b_1(1235)^-(0) e^+ \nu_e$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.11. – p.112005. - Bibliogr.:37.
<https://doi.org/10.1103/PhysRevD.102.112005>
323. **Ablikim, M.** Study of Open-Charm Decays and Radiative Transitions of the X(3872) / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.24. – p.242001. - Bibliogr.:32.
<https://doi.org/10.1103/PhysRevLett.124.242001>
324. **Ablikim, M.** Study of $e^+e^- \rightarrow D^+D^-\pi^+\pi^-$ at Center-of-Mass Energies from 4.36 to 4.60 GeV / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.804. – p.135395. - Bibliogr.:28.
<https://doi.org/10.1016/j.physletb.2020.135395>
325. **Ablikim, M.** Study of the Process $e^+e^- \rightarrow \pi^0 \pi^0 J/\psi$ and Neutral Charmoniumlike State $Z_c(3900)^0$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.1. – p.012009. - Bibliogr.:35.
<https://doi.org/10.1103/PhysRevD.102.012009>
326. **Aleksejevs, A.** NLO Radiative Corrections for Forward-Backward and Left-Right Asymmetries at a B-factory / A.Aleksejevs, V.A.Zygunov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.5. – p.053003. - Bibliogr.:31.
<https://doi.org/10.1103/PhysRevD.101.053003>
327. **Angelov, B.** Multiphase and Sponge Lipid Nanoparticles Studied by SAXS and SANS / B.Angelov, A.Angelova, M.Drechsler, Y.E.Gorshkova // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.86. - Bibliogr.:3. – (JINR ; E3-2020-19).
328. **Antonello, M.** Rydberg-Positronium Velocity and Self-Ionization Studies in a 1T Magnetic Field and Cryogenic Environment / M.Antonello, V.Matveev [a.o.] // Physical Review A [Electronic resource]. – 2020. – Vol.102, No.1. – p.013101. - Bibliogr.:36.
<https://doi.org/10.1103/PhysRevA.102.013101>
329. **Arbuzov, A.** Asymmetries in Processes of Electron-Positron Annihilation / A.Arbuzov, S.Bondarenko, L.Kalinovskaya // Symmetry [Electronic resource]. – 2020. – Vol.12, No.7. – p.1132. - Bibliogr.:35.
<https://doi.org/10.3390/sym12071132>

330. **Arbuzov, A.B.** Forward-Backward Asymmetry in Electron-Positron Annihilation into Pion or Kaon Pairs Revisited / A.B.Arbuzov, T.V.Kopylova, G.A.Selikhanova // *Modern Physics Letters A* [Electronic resource]. – 2020. – Vol.35, No.25. – p.2050210. - Bibliogr.:12.
<https://doi.org/10.1142/S0217732320502107>
331. **Avdeev, M.M.** Study of Immobilization of Polyacrylamide on Oxidized Silicon Surface by X-Ray Reflectometry and Atomic Force Microscopy / M.M.Avdeev, Ye.N.Kosiachkin, O.P.Artykulnyi, Yu.E.Gorshkova [a.o.] // *Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts.* – Dubna : JINR, 2020. – p.191. - Bibliogr.:4. – (JINR ; E3-2020-19).
332. **Banerjee, D.** Improved Limits on a Hypothetical X(16.7) Boson and a Dark Photon Decaying into e^+e^- Pairs / D.Banerjee, V.E.Burtsev, T.Enik, A.Feshchenko, V.N.Frolov, G.Kekelidze, V.A.Kramarenko, N.V.Krasnikov, V.Lysan, V.A.Matveev, D.V.Peshekhonov, P.V.Volkov [a.o.] // *Physical Review D* [Electronic resource]. – 2020. – Vol.101, No.7. – p.071101(R). - Bibliogr.:74.
<https://doi.org/10.1103/PhysRevD.101.071101>
333. **Berestneva, Yu.V.** Thermally Expanded Graphite from Graphite Nitrate Cointercalated with Ethyl Formate and Acetic Acid: Morphology and Physicochemical Properties / Yu.V.Berestneva, E.V.Raksha, G.M.Arzumanyan [a.o.] // *Journal of Physics: Conference Series* [Electronic resource]. – 2020. – Vol.1658. – p.012004. - Bibliogr.:33.
<https://doi.org/10.1088/1742-6596/1658/1/012004>
334. **Bica, I.** Light Transmission, Magnetodielectric and Magnetoresistive Effects in Membranes Based on Hybrid Magnetorheological Suspensions in a Static Magnetic Field Superimposed on a Low/Medium Frequency Electric Field / I.Bica, E.M.Anitas // *Journal of Magnetism and Magnetic Materials* [Electronic resource]. – 2020. – Vol.511. – p.166975. - Bibliogr.:43.
<https://doi.org/10.1016/j.jmmm.2020.166975>
335. **Bica, I.** Magneto-Active Fabrics Based on Glucose and Carbonyl Iron: Effects of Glucose Crystallization Kinetics and Magnetic Field on the Electrical Conductivity / I.Bica, E.M.Anitas // *Journal of Magnetism and Magnetic Materials* [Electronic resource]. – 2020. – Vol.495. – p.165883. - Bibliogr.:28.
<https://doi.org/10.1016/j.jmmm.2019.165883>
336. **Bondarenko, S.** One-Loop Electroweak Radiative Corrections to Lepton Pair Production in Polarized Electron-Positron Collisions / S.Bondarenko, Ya.Dydyshka, L.Kalinovskaya, R.Sadykov, V.Yermolchuk // *Physical Review D* [Electronic resource]. – 2020. – Vol.102, No.3. – p.033004. - Bibliogr.:68.
<https://doi.org/10.1103/PhysRevD.102.033004>
337. **Budagov, J.A.** The Compact Nanoradian Precision Laser Inclinometer - an Innovative Instrument for the Angular Microseismic Isolation of the Interferometric Gravitational Antennas : [Abstract] / J.A.Budagov, B.Di Girolamo, M.V.Lyablin // *Физика элементарных частиц и атомного ядра. Письма.* – 2020. – Т.17, №7. – с.874.
http://www1.jinr.ru/Pepan_letters/panl_2020_7/02_Budagov_ann.pdf
338. **Craus, M.-L.** Influence of Low Pb Concentration on the Structure and Transport Phenomena of LaMnO_3 Manganites / M.-L.Craus, C.Mita, V.Dobrea, N.Cornei // *Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts.* – Dubna : JINR, 2020. – p.48-49. – (JINR ; E3-2020-19).

339. **Depero, E.** Hunting Down the X17 Boson at the CERN SPS / E.Depero, V.E.Burtsev, T.Enik, A.Feshchenko, V.N.Frolov, G.Kekelidze, V.A.Kramarenko, N.V.Krasnikov, V.Lysan, V.A.Matveev, D.V.Peshekhonov, P.V.Volkov [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.12. – p.1159. - Bibliogr.:81.
<https://doi.org/10.1140/epjc/s10052-020-08725-x>
340. **Dubnicka, S.** Y(4260) as a Four-Quark State / S.Dubnicka, A.Z.Dubnickova, A.Issadykov, M.A.Ivanov, A.Liptaj // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.9. – p.094030. - Bibliogr.:46.
<https://doi.org/10.1103/PhysRevD.101.094030>
341. **Fani, M.** Developments for Pulsed Antihydrogen Production Towards Direct Gravitational Measurement on Antimatter / M.Fani, M.Antonello, V.Matveev [a.o.] // Physica Scripta. – 2020. – Vol.95, No.11. – p.114001. - Bibliogr.:17.
<https://doi.org/10.1088/1402-4896/abbaa1>
342. **Krasnikov, N.V.** Implications of Last NA64 Results and the Electron $g_e - 2$ Anomaly for the X(16.7) Boson Survival / N.V.Krasnikov // Modern Physics Letters A [Electronic resource]. – 2020. – Vol.35, No.15. – p.2050116. - Bibliogr.:13.
<https://doi.org/10.1142/S0217732320501163>
343. **Kucerakova, M.** Texture Study of Sinanodonta Woodiana Shells by X-Ray Diffraction / M.Kucerakova, J.Rohlicek, D.Nikolayev, T.Lychagina // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.235. - Bibliogr.:1. – (JINR ; E3-2020-19).
344. **Lombardo, D.** Structural Characterization of Biomaterials by Means of Small Angle X-rays and Neutron Scattering (SAXS and SANS), and Light Scattering Experiments : [Review] / D.Lombardo, P.Calandra, M.A.Kiselev // Molecules [Electronic resource]. – 2020. – Vol.25, No.23. – p.5624. - Bibliogr.:179.
<https://doi.org/10.3390/molecules25235624>
345. **Maiti, M.** Theory of Universal Differential Conductance of Magnetic Weyl Type-II Junctions / M.Maiti, J.Smoltacha // Journal of Physics: Condensed Matter. – 2020. – Vol.32, No.40. – p.405301. - Bibliogr.:28.
<https://doi.org/10.1088/1361-648X/ab926e>
346. **Nagorna, T.V.** Specifics of Fullerene C₆₀ and C₇₀ Cluster Formation in Toluene/N-Methyl-2-Pyrrolidone Solvent Mixture / T.V.Nagorna, D.Chudoba // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.154. - Bibliogr.:4. – (JINR ; E3-2020-19).
347. **Nowak, W.J.** Consequences of Different Mechanical Surface Preparation of Ni-Base Alloys During High Temperature Oxidation / W.J.Nowak, K.Siemek [a.o.] // Materials [Electronic resource]. – 2020. – Vol.13, No.16. – p.3529. - Bibliogr.:45.
<https://doi.org/10.3390/ma13163529>
348. **Pham, A.T.T.** Multi-Scale Defects in ZnO Thermoelectric Ceramic Materials Co-Doped with In and Ga / A.T.T.Pham, T.A.Luu [et al.] // Ceramics International [Electronic resource]. – 2020. – Vol.46, No.8, Part A. – p.10748-10758. - Bibliogr.:73.
<https://doi.org/10.1016/j.ceramint.2020.01.084>

349. **Sadykov, R.** Polarized NLO EW e^+e^- Cross Section Calculations with ReneSANCe-v1.0.0 / R.Sadykov, V.Yermolchik // Computer Physics Communications [Electronic resource]. – 2020. – Vol.256. – p.107445. - Bibliogr.:22.
<https://doi.org/10.1016/j.cpc.2020.107445>
350. **Sadykov, R.R.** MCSANCe Generator with One-Loop Electroweak Corrections for Processes with Polarized e^+e^- Beams / R.R.Sadykov, A.B.Arbuzov, S.G.Bondarenko, Ya.V.Dydyshka, L.V.Kalinovskaya, I.I.Novikov, V.L.Yermolchik, L.A.Rumyantsev // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1525. – p.012012. - Bibliogr.:11.
<https://doi.org/10.1088/1742-6596/1525/1/012012>
351. **Savin, A.** Microstructural Analysis and Mechanical Properties of $\text{TiMo}_{20}\text{Zr}_7\text{Ta}_{15}\text{Si}_x$ Alloys as Biomaterials / A.Savin, M.L.Craus, V.Turchenko [a.o.] // Materials [Electronic resource]. – 2020. – Vol.13, No.21. – p.4808. - Bibliogr.:51.
<https://doi.org/10.3390/ma13214808>
352. **Siemek, K.** Positron Annihilation Studies of Long Range Effect in Ar, N and C Ion-Implanted Silicon / K.Siemek, J.Dryzek, M.Mitura-Nowak [et al.] // Nuclear Instruments & Methods in Physics Research B [Electronic resource]. – 2020. – Vol.465. – p.73-78. - Bibliogr.:30.
<https://doi.org/10.1016/j.nimb.2019.12.026>
353. **Smit, R.L.** Magnon Damping in the Zigzag Phase of the Kitaev-Heisenberg- Γ Model on a Honeycomb Lattice / R.L.Smit, S.Keupert, P.A.Maksimov [a.o.] // Physical Review B [Electronic resource]. – 2020. – Vol.101, No.5. – p.054424. - Bibliogr.:103.
<https://doi.org/10.1103/PhysRevB.101.054424>
354. **Steigmann, R.** Influence of Rare Earth in Magnesium Calcium Alloy Used for Medical Implants / R.Steigmann, M.L.Craus, V.Turchenko [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.141-142. - Bibliogr.:3. – (JINR ; E3-2020-19).
355. **Valkov, S.** Hybrid Techniques for Manufacturing of Aluminum Composite Layers with TiCN Nanoparticles / S.Valkov, G.Bokuchava, Yu.Gorshkova, P.Petrov // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.54-55. – (JINR ; E3-2020-19).
356. **Vlasov, A.V.** Raman Scattering: From Structural Biology to Medical Applications : [Review] / A.V.Vlasov, A.V.Rogachev, A.I.Kuklin [a.o.] // Crystals [Electronic resource]. – 2020. – Vol.10, No.1. – p.38. - Bibliogr.:339.
<https://doi.org/10.3390/cryst10010038>
357. **Wrobel, M.** Comparison of Local and Global Texture in Friction Stir Processed Aluminum Alloys / M.Wrobel, D.Nikolayev, T.Lychagina, Z.Sekretarev [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.242-243. - Bibliogr.:2. – (JINR ; E3-2020-19).
358. **Yukalov, V.I.** Destiny of Optical Lattices with Strong Intersite Interactions / V.I.Yukalov // Laser Physics. – 2020. – Vol.30, No.1. – p.015501. - Bibliogr.:28.
<https://doi.org/10.1088/1555-6611/ab5807>

359. **Zad, H.A.** Single-Ion Anisotropy Effects on the Demagnetization Process of the Alternating Weak-Rung Interacting Mixed Spin-(1/2, 1) Ising-Heisenberg Double Saw-Tooth Ladders / H.A.Zad, N.Ananikian, M.Jascur // Physica Scripta. – 2020. – Vol.95, No.9. – p.095702. - Bibliogr.:43.

<https://doi.org/10.1088/1402-4896/aba663>

360. **Осадчий, С.М.** Разрешающая способность двухэнергетического метода при детектировании материалов в радиографии / С.М.Осадчий, А.А.Петухов, В.Б.Дунин // Поверхность. – 2020. – №12. – с.44-49. - Библиогр.:12.

http://inis.jinr.ru/sl/NTBLIB/44137439_63666512.pdf

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361. **Adamian, G.G.** How to Extend the Chart of Nuclides? / G.G.Adamian, N.V.Antonenko, A.Diaz-Torres, S.Heinz // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.2. – p.47. - Bibliogr.:385.
<https://doi.org/10.1140/epja/s10050-020-00046-7>
362. **Adamian, G.G.** Predictions of Identification and Production of New Superheavy Nuclei with $Z=119$ and 120 / G.G.Adamian, N.V.Antonenko, H.Lenske, L.A.Malov // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.3. – p.034301. - Bibliogr.:79.
<https://doi.org/10.1103/PhysRevC.101.034301>
363. **Agostini, M.** First Search for Bosonic Superweakly Interacting Massive Particles with Masses up to $1 \text{ MeV}/c^2$ with GERDA / M.Agostini, D.Borowicz, V.Brudanin, V.Egorov, M.Fomina, K.Gusev, A.Klimenko, O.Kochetov, A.Lubashevskiy, I.Nemchenok, N.Rumyantseva, E.Shevchik, M.Shirchenko, A.Smolnikov, I.Zhitnikov, D.Zinatulina [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.1. – p.011801. - Bibliogr.:30.
<https://doi.org/10.1103/PhysRevLett.125.011801>
364. **Agostini, M.** Modeling of GERDA Phase II Data / M.Agostini, D.Borowicz, V.Brudanin, V.Egorov, M.Fomina, K.Gusev, A.Klimenko, O.Kochetov, A.Lubashevskiy, I.Nemchenok, N.Rumyantseva, E.Shevchik, M.Shirchenko, A.Smolnikov, I.Zhitnikov, D.Zinatulina [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.3. – p.139. - Bibliogr.:50.
[https://doi.org/10.1007/JHEP03\(2020\)139](https://doi.org/10.1007/JHEP03(2020)139)
365. **Agostini, M.** Searching for Neutrinoless Double Beta Decay with GERDA / M.Agostini, V.Brudanin, V.Egorov, K.Gusev, A.Klimenko, O.Kochetov, A.Lubashevskiy, I.Nemchenok, N.Rumyantseva, E.Shevchik, M.Shirchenko, A.Smolnikov, I.Zhitnikov, D.Zinatulina [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1342. – p.012005. - Bibliogr.:27.
<https://doi.org/10.1088/1742-6596/1342/1/012005>
366. **Amaducci, S.** Measurement of the $^{235}\text{U}(n,f)$ Cross Section at n_{TOF} from Thermal to 170 keV / S.Amaducci, V.Furman, P.Sedyshev [a.o.] // International Journal of Modern Physics: Conference Series [Electronic resource]. – 2020. – Vol.50. – p.2060011. - Bibliogr.:7.
<https://doi.org/10.1142/S2010194520600113>
367. **Armengaud, E.** Precise Measurement of $2\nu\beta\beta$ Decay of ^{100}Mo with the CUPID-Mo Detection Technology / E.Armengaud, V.Brudanin, S.Rozov, E.Yakushev [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.7. – p.674. - Bibliogr.:65.
<https://doi.org/10.1140/epjc/s10052-020-8203-4>
368. **Arnold, R.** Search for the Double-Beta Decay of ^{82}Se to the Excited States of ^{82}Kr with NEMO-3 / R.Arnold, V.Brudanin, V.Egorov, D.Filosofov, A.Klimenko, O.Kochetov, V.Kovalenko, I.Nemchenok, Yu.Shitov, A.Smolnikov, V.Timkin, V.I.Tretyak [et al.] // Nuclear Physics A [Electronic resource]. – 2020. – Vol.996. – p.121701. - Bibliogr.:47.
<https://doi.org/10.1016/j.nuclphysa.2020.121701>

369. **Artemenkov, D.A.** Prospects of Nuclear Clustering Studies via Dissociation of Relativistic Nuclei in Nuclear Track Emulsion / D.A.Artemenkov, V.Bradnova, N.K.Kornegrutsa, A.I.Malakhov, E.Mitsova, V.V.Rusakova, A.A.Zaitsev, I.G.Zarubina, P.I.Zarubin [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1555. – p.012005. - Bibliogr.:20.
<https://doi.org/10.1088/1742-6596/1555/1/012005>
370. **Babiano-Suarez, V.** $^{80}\text{Se}(n, \gamma)$ Cross-Section Measurement at CERN n_TOF / V.Babiano-Suarez, V.Furman, Y.Kopatch [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1668. – p.012001. - Bibliogr.:14.
<https://doi.org/10.1088/1742-6596/1668/1/012001>
371. **Bagchi, S.** Signature of a Possible α -Cluster State in N=Z Doubly-Magic ^{56}Ni / S.Bagchi, S.Lukyjanov, Y.Penionzhkevich [a.o.] // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.11. – p.290. - Bibliogr.:41.
<https://doi.org/10.1140/epja/s10050-020-00294-7>
372. **Balibrea-Correa, J.** Measurement of the α Ration and (n, γ) Cross Section of ^{235}U from 0.2 to 200 eV at n_TOF / J.Balibrea-Correa, V.Furman, P.Sedyshev [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.4. – p.044615. - Bibliogr.:74.
<https://doi.org/10.1103/PhysRevC.102.044615>
373. **Barabash, A.S.** Improved Limits on $\beta^+\text{EC}$ and ECEC Processes in ^{74}Se / A.S.Barabash, V.B.Brudanin, A.A.Klimenko, A.V.Rakhimov, N.I.Rukhadze, Yu.A.Shitov [et al.] // Nuclear Physics A [Electronic resource]. – 2020. – Vol.996. – p.121697. - Bibliogr.:49.
<https://doi.org/10.1016/j.nuclphysa.2020.121697>
374. **Beck, T.** $\Delta K=0$ M1 Excitation Strength of the Well-Deformed Nucleus ^{164}Dy from K Mixing / T.Beck, V.Werner, R.V.Jolos [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.9. – p.092501. - Bibliogr.:36.
<https://doi.org/10.1103/PhysRevLett.125.092501>
375. **Belli, P.** Search for Double Beta Decay of ^{106}Cd with an Enriched $^{106}\text{CdWO}_4$ Crystal Scintillator in Coincidence with CdWO_4 Scintillation Counters / P.Belli, R.Bernabei, V.B.Brudanin [a.o.] // Universe [Electronic resource]. – 2020. – Vol.6, No.10. – p.182. - Bibliogr.:56.
<https://doi.org/10.3390/universe6100182>
376. **Berikov, D.B.** A ROOT-Based Program for Analysing Data on T-odd Asymmetry in the Neutron-Induced Fission of Heavy Nuclei / D.B.Berikov, G.S.Ahmadov, Yu.N.Kopatch, K.Sh.Zhumadilov // Eurasian Journal of Physics and Functional Materials [Electronic resource]. – 2020. – Vol.4, No.2. – p.114-121. - Bibliogr.:8.
<https://doi.org/10.29317/2020040201>
377. **Borzov, I.N.** Isobaric Resonances, Beta Decay and Delayed Multineutron Emission in Very Neutron-Rich Nuclei / I.N.Borzov, S.V.Tolokonnikov // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.295-302. - Bibliogr.:13.
https://doi.org/10.1142/9789811209451_0040

378. **Butler, P.A.** Evolution of Octupole Deformation in Radium Nuclei from Coulomb Excitation of Radioactive ^{222}Ra and ^{228}Ra Beams / P.A.Butler, T.M.Shneidman [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.4. – p.042503. - Bibliogr.:35.
<https://doi.org/10.1103/PhysRevLett.124.042503>
379. **Carjan, N.** Fission of Super-Heavy Nuclei: Fragment Mass Distributions and Their Dependence on Excitation Energy / N.Carjan, F.A.Ivanyuk, Yu.Ts.Oganessian // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.183-191. - Bibliogr.:13.
https://doi.org/10.1142/9789811209451_0026
380. **Casanovas, A.** Neutron Capture Measurement at the n_{TOF} Facility of the ^{204}Tl and ^{205}Tl s-Process Branching Points / A.Casanovas, V.Furman, Y.Kopatch [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1668. – p.012005. - Bibliogr.:11.
<https://doi.org/10.1088/1742-6596/1668/1/012005>
381. **Chernyshev, B.A.** Search for ^{10}He in the Stopped Pion Absorption $^{14}\text{C}(\pi^-, p^3\text{He})X$ / B.A.Chernyshev, Yu.B.Gurov, V.G.Sandukovsky [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012030. - Bibliogr.:23.
<https://doi.org/10.1088/1742-6596/1690/1/012030>
382. **Chernyshev, B.A.** Spectroscopy of ^7He in Stopped Pion Absorption / B.A.Chernyshev, V.G.Sandukovsky [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1555. – p.012029. - Bibliogr.:19.
<https://doi.org/10.1088/1742-6596/1555/1/012029>
383. **Ciemala, M.** Testing ab initio Nuclear Structure in Neutron-Rich Nuclei: Lifetime Measurements of Second 2^+ State in ^{16}C and ^{20}O / M.Ciemala, A.Karpov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.2. – p.021303(R). - Bibliogr.:65.
<https://doi.org/10.1103/PhysRevC.101.021303>
384. **Ciemny, A.A.** First Identification of ^{58}Zn β -Delayed Proton Emission / A.A.Ciemny, A.Bezbakh, G.Kaminski [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.3. – p.034305. - Bibliogr.:28.
<https://doi.org/10.1103/PhysRevC.101.034305>
385. **Colo, G.** Isoscalar Monopole and Quadrupole Modes in Mo Isotopes: Microscopic Analysis / G.Colo, W.Kleinig, V.O.Nesterenko [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.811. – p.135940. - Bibliogr.:41.
<https://doi.org/10.1016/j.physletb.2020.135940>
386. **Demyanova, A.S.** Isospin Triplet $A=12$: Search for States with Enhanced Radii / A.S.Demyanova, V.A.Maslov, Yu.G.Sobolev, Yu.E.Penionzhkevich, D.Janseitov [et al.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1643. – p.012079. - Bibliogr.:13.
<https://doi.org/10.1088/1742-6596/1643/1/012079>

387. **Demyanova, A.S.** Possible Neutron and Proton Halo Structure in the Isobaric Analog States of $A=12$ Nuclei / A.S.Demyanova, V.A.Maslov, Yu.G.Sobolev [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.5. – p.054612. - Bibliogr.:62.
<https://doi.org/10.1103/PhysRevC.102.054612>
388. **Demyanova, A.S.** States of ^{12}N with Enhanced Radii / A.S.Demyanova, V.A.Maslov, Yu.G.Sobolev, Yu.E.Penionzhkevich, D.Janseitov [a.o.] // Журнал экспериментальной и теоретической физики. Письма. – 2020. – Т.111, №7/8. – p.483-484. - Bibliogr.:12.
<https://doi.org/10.31857/S1234567820080017>
389. **Di Nitto, A.** Evaporation and Fission Decay of ^{158}Er Composite Nuclei within the Statistical Model / A.Di Nitto, E.M.Kozulin, G.N.Knyazheva [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.2. – p.024624. - Bibliogr.:75.
<https://doi.org/10.1103/PhysRevC.102.024624>
390. **Domingo-Pardo, C.** Review and New Concepts for Neutron-Capture Measurements of Astrophysical Interest / C.Domingo-Pardo, V.Furman, Y.Kopatch [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1668. – p.012013. - Bibliogr.:39.
<https://doi.org/10.1088/1742-6596/1668/1/012013>
391. **Donaldson, L.M.** Fine Structure of the Isovector Giant Dipole Resonance in $^{142-150}\text{Nd}$ and ^{152}Sm / L.M.Donaldson, V.O.Nesterenko, W.Kleinig, N.Yu.Shirikova, A.V.Sushkov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.6. – p.064327. - Bibliogr.:59.
<https://doi.org/10.1103/PhysRevC.102.064327>
392. **Dzhioev, A.A.** Unblocking of Stellar Electron Capture for Neutron-Rich $N=50$ Nuclei at Finite Temperature / A.A.Dzhioev, K.Langanke, A.I.Vdovin [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.2. – p.025805. - Bibliogr.:62.
<https://doi.org/10.1103/PhysRevC.101.025805>
393. **Eldridge, J.M.** Structure of ^{158}Nd and ^{163}Gd from ^{252}Cf Spontaneous Fission / J.M.Eldridge, G.M.Ter-Akopian, Yu.Ts.Oganessian [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.4. – p.044323. - Bibliogr.49.
<https://doi.org/10.1103/PhysRevC.102.044323>
394. **Frank, A.I.** Intense UCN Source at IBR2 Reactor. The Dream or Opportunity? / A.I.Frank, N.V.Rebrova, G.V.Kulin // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.70-71. - Bibliogr.:6. – (JINR ; E3-2020-19).
395. **Ganev, H.G.** Microscopic Structure of the Low-Lying Negative-Parity States in the Proton-Proton Symplectic Model / H.G.Ganev // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1555. – p.012024. - Bibliogr.:18.
<https://doi.org/10.1088/1742-6596/1555/1/012024>
396. **Ge, Z.** Calculations of the α -Decay Properties of $Z=120, 122, 124, 126$ Isotopes / Z.Ge, G.Zhang, Yu.S.Tsyganov [a.o.] // Chinese Physics C [Electronic resource]. – 2020. – Vol.44, No.10. – p.104102. - Bibliogr.:81.
<https://doi.org/10.1088/1674-1137/abab00>

397. **Gilliss, T.** Progress Toward a $2\nu\beta\beta$ Measurement for the Majorana Demonstrator / T.Gilliss, V.Brudanin, M.Shirchenko, S.Vasilyev, E.Yakushev, I.Zhitnikov [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1342. – p.012117. - Bibliogr.:14.
<https://doi.org/10.1088/1742-6596/1342/1/012117>
398. **Grigorenko, L.V.** Asymptotic Normalization Coefficient Method for Two-Proton Radiative Capture / L.V.Grigorenko, Yu.L.Parfenova, N.B.Shulgina, M.V.Zhukov // Physics Letters B [Electronic resource]. – 2020. – Vol.811. – p.135852. - Bibliogr.:34.
<https://doi.org/10.1016/j.physletb.2020.135852>
399. **Hong, J.** Could New Isotopes of Superheavies with $Z = 112 - 118$ be Produced in ^{48}Ca -Induced Cold Fusion Reactions? / J.Hong, G.G.Adamian, N.V.Antonenko // Physics Letters B [Electronic resource]. – 2020. – Vol.805. – p.135438. - Bibliogr.:41.
<https://doi.org/10.1016/j.physletb.2020.135438>
400. **Hong, J.** Possibilities of Direct Production of Superheavy Nuclei with $Z = 112 - 118$ in Different Evaporation Channels / J.Hong, G.G.Adamian, N.V.Antonenko, P.Jachimowicz, M.Kowal // Physics Letters B [Electronic resource]. – 2020. – Vol.809. – p.135760. - Bibliogr.:101.
<https://doi.org/10.1016/j.physletb.2020.135760>
401. **Isaev, A.V.** Investigation of the Spontaneous Fission Properties of Neutron-Deficient Nobelium Isotopes / A.V.Isaev, A.I.Svirikhin, A.V.Andreev, A.V.Yeremin, I.N.Izosimov, A.N.Kuznetsov, A.A.Kuznetsova, O.N.Malyshev, A.G.Popeko, Yu.A.Popov, E.A.Sokol, M.L.Chelnokov, V.I.Chepigin, T.M.Schneidman [a.o.] // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.200-205. - Bibliogr.:6.
https://doi.org/10.1142/9789811209451_0028
402. **Izosimov, I.N.** Structure of β -Decay Strength Function $S_{\beta}(E)$ and Wigner Spin-Isospin $SU(4)$ Symmetry / I.N.Izosimov // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.60-65. - Bibliogr.:17.
https://doi.org/10.1142/9789811209451_0009
403. **Jolos, R.V.** Structure of Superheavy Nuclei / R.V.Jolos, N.V.Antonenko, G.G.Adamian, A.N.Bezbakh, V.G.Kartavenko, L.A.Malov, T.M.Sneidman, N.Yu.Shirikova, A.V.Sushkov // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.206-211. - Bibliogr.:4.
https://doi.org/10.1142/9789811209451_0029
404. **Kakenov, M.** Properties of Dibaryons in Nuclear Medium / M.Kakenov, V.I.Kukulin, V.N.Pomerantsev, O.Bayakhmetov // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.10. – p.266. - Bibliogr.:72.
<https://doi.org/10.1140/epja/s10050-020-00272-z>

405. **Kallunkathariyil, J.** Stability of the Heaviest Elements: K Isomer in ^{250}No / J.Kallunkathariyil, S.Stolze, A.I.Svirikhin [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.1. – p.011301(R). - Bibliogr.:40.
<https://doi.org/10.1103/PhysRevC.101.011301>
406. **Kamanin, D.V.** Additional Arguments in Favor of True Quaternary Fission of Low Excited Actinides / D.V.Kamanin, A.A.Alexandrov, I.A.Alexandrova, Z.I.Goryainova, E.A.Kuznetsova, A.O.Strekalovsky, O.V.Strekalovsky, V.E.Zhuchko, Yu.V.Pyatkov, A.V.Tomas, V.Malaza // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.303-309. - Bibliogr.:7.
https://doi.org/10.1142/9789811209451_0041
407. **Kondratyev, V.N.** Properties and Composition of Magnetized Nuclei / V.N.Kondratyev // Particles [Electronic resource]. – 2020. – Vol.3, No.2. – p.272-277. - Bibliogr.:21.
<https://doi.org/10.3390/particles3020021>
408. **Kopatch, Yu.N.** Measurement of Gamma and Neutron ROT-Effects in 0.3 eV Resonance of ^{235}U at a Hot Source of Polarized Neutrons / Yu.N.Kopatch, V.V.Novitsky, G.S.Ahmadov, D.B.Berikov, G.V.Danilyan [a.o.] // Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics = Фундаментальные взаимодействия и нейтроны, структура ядра, ультрахолодные нейтроны, связанные темы : XXVII International Seminar on Interaction of Neutrons with Nuclei (ISINN-27), Dubna, Russia, June 10-14, 2019: Proceedings of the Seminar. – Dubna : JINR, 2020. – p.235-241. - Bibliogr.:11. – (JINR ; E3-2020-10).
<http://inis.jinr.ru/sl/NTBLIB/isinn-27-P235.pdf>
409. **Kopatch, Yu.N.** The ROT-Effect in the Angular Distribution of Prompt γ -Rays in Binary Fission Induced by Polarized Neutrons with the Energy of 60 meV / Yu.N.Kopatch, D.B.Berikov, G.S.Ahmadov, V.V.Novitsky, G.V.Danilyan [a.o.] // Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics = Фундаментальные взаимодействия и нейтроны, структура ядра, ультрахолодные нейтроны, связанные темы : XXVII International Seminar on Interaction of Neutrons with Nuclei (ISINN-27), Dubna, Russia, June 10-14, 2019: Proceedings of the Seminar. – Dubna : JINR, 2020. – p.242-248. - Bibliogr.:17. – (JINR ; E3-2020-10).
<http://inis.jinr.ru/sl/NTBLIB/isinn-27-P242.pdf>
410. **Mardyban, E.V.** Description of the Low-Lying Collective States of ^{96}Zr Based on the Collective Bohr Hamiltonian Including the Triaxiality Degree of Freedom / E.V.Mardyban, E.A.Kolganova, T.M.Shneidman, R.V.Jolos, N.Pietralla // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.3. – p.034308. - Bibliogr.:46.
<https://doi.org/10.1103/PhysRevC.102.034308>
411. **Mirzayev, N.A.** Low Radioactive NH_4Cl Flux / N.A.Mirzayev, D.Filosofov, D.V.Karaivanov, D.Ponomarev, A.Rakhimov, I.Rozova, S.Rozov, N.Temerbulatova, E.Yakushev [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.5. – p.T05004.
<https://doi.org/10.1088/1748-0221/15/05/T05004>

412. **Musangu, B.M.** Anomalous Neutron Yields Confirmed for Ba-Mo and Newly Observed for Ce-Zr from Spontaneous Fission of ^{252}Cf / B.M.Musangu, G.M.Ter-Akopian, Yu.Ts.Oganessian [a.o.] // *Physical Review C* [Electronic resource]. – 2020. – Vol.101, No.3. – p.034610. - Bibliogr.:36.
<https://doi.org/10.1103/PhysRevC.101.034610>
413. **Musangu, B.M.** Confirmation of High Neutron Yields for Ba-Mo from SF of ^{252}Cf / B.M.Musangu, G.M.Ter-Akopian, Yu.Ts.Oganessian [a.o.] // *Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk)* ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.310-317. - Bibliogr.:6.
https://doi.org/10.1142/9789811209451_0042
414. **Myslik, J.** Data Quality Assurance for the Majorana Demonstrator / J.Myslik, V.Brudanin, M.Shirchenko, S.Vasilyev, E.Yakushev, I.Zhitnikov [a.o.] // *Journal of Physics: Conference Series* [Electronic resource]. – 2020. – Vol.1342. – p.012123. - Bibliogr.:4.
<https://doi.org/10.1088/1742-6596/1342/1/012123>
415. **Nikoghosyan, G.** Isovector Pair Correlations in Analytically Solvable Models / G.Nikoghosyan, A.Balabekyan, E.A.Kolganova, R.V.Jolos, D.A.Sazonov // *International Journal of Modern Physics E* [Electronic resource]. – 2020. – Vol.29, No.10. – p.2050091. - Bibliogr.:22.
<https://doi.org/10.1142/S0218301320500913>
416. **Olorunfunmi, S.D.** Fine Structure of the Isoscalar Giant Monopole Resonance in ^{48}Ca / S.D.Olorunfunmi, I.T.Usman, N.N.Arsenyev [a.o.] // *Journal of Physics: Conference Series* [Electronic resource]. – 2020. – Vol.1643. – p.012154. - Bibliogr.:18.
<https://doi.org/10.1088/1742-6596/1643/1/012154>
417. **Oprea, C.** Astrophysical Production of ^{146}Sm in Nuclear p-Processes / C.Oprea, A.Mihul, A.I.Oprea [a.o.] // *Journal of Physics: Conference Series* [Electronic resource]. – 2020. – Vol.1668. – p.012031. - Bibliogr.:15.
<https://doi.org/10.1088/1742-6596/1668/1/012031>
418. **Penionzhkevich, Yu.** Preface / Yu.Penionzhkevich // *Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk)* ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.V-X.
419. **Penionzhkevich, Yu.E.** Nuclei Near the Boundary of Neutron Stability / Yu.E.Penionzhkevich // *Eurasian Journal of Physics and Functional Materials* [Electronic resource]. – 2020. – Vol.4, No.3. – p.186-200. - Bibliogr.:51.
<https://doi.org/10.29317/ejpfm.2020040301>
420. **Pulcini, A.** Fission and Quasi-Fission Dynamics Near the Coulomb Barrier: γ Rays as Probe for Their Timescale / A.Pulcini, E.M.Kozulin, S.Dmitriev, I.M.Harca, I.M.Itkis, V.V.Kirakosyan, G.Knyazheva, N.Kozulina, I.V.Kolesov, K.Novikov, E.Saveleva [a.o.] // *Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk)* ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.330-337. - Bibliogr.:13.
https://doi.org/10.1142/9789811209451_0045

421. **Pyatkov, Yu.V.** Manifestations of Pear-Shaped Clusters in Collinear Cluster Tri-Partition of ^{252}Cf / Yu.V.Pyatkov, D.V.Kamanin, A.A.Alexandrov, I.A.Alexandrova, Z.I.Goryainova, E.A.Kuznetsova, A.O.Strekalovsky, O.V.Strekalovsky, V.E.Zhuchko, V.Malaza // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.338-344. - Bibliogr.:11.
https://doi.org/10.1142/9789811209451_0046
422. **Pyatkov, Yu.V.** Manifestations of Pear-Shaped Clusters in Collinear Cluster Tri-Partition of ^{252}Cf / Yu.V.Pyatkov, D.V.Kamanin, A.A.Alexandrov, I.A.Alexandrova, Z.I.Goryainova, E.A.Kuznetsova, A.O.Strekalovsky, O.V.Strekalovsky, V.E.Zhuchko, V.Malaza // Eurasian Journal of Physics and Functional Materials [Electronic resource]. – 2020. – Vol.4, No.1. – p.13-18. - Bibliogr.:11.
<https://doi.org/10.29317/ejpfm.2020040102>
423. **Pyatkov, Yu.V.** New Side of the Collinear Cluster Tri-Partition Scenario / Yu.V.Pyatkov, D.V.Kamanin, A.A.Alexandrov, I.A.Alexandrova, Z.I.Goryainova, V.Malaza, G.V.Mishinsky, E.A.Kuznetsova, A.N.Solodov, A.O.Strekalovsky, O.V.Strekalovsky, V.E.Zhuchko // Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics = Фундаментальные взаимодействия и нейтроны, структура ядра, ультрахолодные нейтроны, связанные темы : XXVII International Seminar on Interaction of Neutrons with Nuclei (ISINN-27), Dubna, Russia, June 10-14, 2019: Proceedings of the Seminar. – Dubna : JINR, 2020. – p.249-252. - Bibliogr.:9. – (JINR ; E3-2020-10).
<http://inis.jinr.ru/sl/NTBLIB/isinn-27-P249.pdf>
424. **Rahmatinejad, A.** Collective Enhancements in the Level Densities of Dy and Mo Isotopes / A.Rahmatinejad, T.M.Shneidman, N.V.Antonenko, A.N.Bezbakh, G.G.Adamian, L.A.Malov // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.5. – p.054315. - Bibliogr.:54.
<https://doi.org/10.1103/PhysRevC.101.054315>
425. **Razavi, R.** Parity Equilibration in Nuclear Level Densities of $^{159-166}\text{Dy}$ / R.Razavi, O.Nouri, A.Rahmatinejad, S.Mohammadi // Modern Physics Letters A [Electronic resource]. – 2020. – Vol.35, No.38. – p.2050315. - Bibliogr.:25.
<https://doi.org/10.1142/S0217732320503150>
426. **Rogov, I.S.** Nucleon Density Distribution in Description of Nuclear Decays / I.S.Rogov, G.G.Adamian, N.V.Antonenko, T.M.Shneidman, H.Lenske // Nuclear Physics A [Electronic resource]. – 2020. – Vol.1002. – p.121995. - Bibliogr.:23.
<https://doi.org/10.1016/j.nuclphysa.2020.121995>
427. **Rukhadze, E.** Investigation of Double Beta Decay of ^{58}Ni at the Modane Underground Laboratory / E.Rukhadze, V.B.Brudanin, A.A.Klimenko, N.I.Rukhadze, Yu.A.Shitov [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1342. – p.012041. - Bibliogr.:9.
<https://doi.org/10.1088/1742-6596/1342/1/012041>
428. **Samarin, V.V.** Study of Cluster Structure of Light Nuclei by Feynman's Continual Integrals and Hyperspherical Functions / V.V.Samarin // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1555. – p.012030. - Bibliogr.:23.
<https://doi.org/10.1088/1742-6596/1555/1/012030>

429. **Sargsyan, V.V.** Extended Quantum Diffusion Approach to Reactions of Astrophysical Interests / V.V.Sargsyan, G.G.Adamian, N.V.Antonenko, H.Lenske // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.1. – p.19. - Bibliogr.:50.
<https://doi.org/10.1140/epja/s10050-019-00009-7>
430. **Severyukhin, A.P.** Pygmy Dipole Resonance of ^{134}Sn / A.P.Severyukhin, N.N.Arseniyev, Yu.E.Penionzhkevich, D.Testov [a.o.] // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.345-350. - Bibliogr.:23.
https://doi.org/10.1142/9789811209451_0047
431. **Severyukhin, A.P.** Two-Phonon Structure of Low-Energy 1^+ Excitations of ^{130}In / A.P.Severyukhin, N.N.Arseniyev, I.N.Borzov, E.O.Sushenok, D.Testov, D.Verney // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.5. – p.054309. - Bibliogr.:42.
<https://doi.org/10.1103/PhysRevC.101.054309>
432. **Severyukhin, A.P.** Two-Phonon Structure of the Neutron-Rich Nuclei / A.P.Severyukhin, N.N.Arseniyev, D.Testov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1686. – p.012028. - Bibliogr.:34.
<https://doi.org/10.1088/1742-6596/1686/1/012028>
433. **Shahrbaf, M.** Mixed Phase Transition from Hypernuclear Matter to Deconfined Quark Matter Fulfilling Mass-Radius Constraints of Neutron Stars / M.Shahrbaf, D.Blaschke, S.Khanmohamadi // Journal of Physics G. – 2020. – Vol.47, No.11. – p.115201. - Bibliogr.:87.
<https://doi.org/10.1088/1361-6471/abaa9a>
434. **Shvetsov, V.N.** Progress Report on Developing a Concept for a New Neutron Source at FLNP / V.N.Shvetsov, V.L.Aksenov, S.A.Kulikov, E.P.Shabalin, A.V.Vinogradov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.28. – (JINR ; E3-2020-19).
435. **Siciliano, M.** Shape Coexistence in Neutron-Deficient ^{188}Hg Investigated Via Lifetime Measurements / M.Siciliano, D.Testov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.1. – p.014318. - Bibliogr.:63.
<https://doi.org/10.1103/PhysRevC.102.014318>
436. **Skobelev, N.K.** Delayed Fission of Atomic Nuclei / N.K.Skobelev // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1555. – p.012038. - Bibliogr.:20.
<https://doi.org/10.1088/1742-6596/1555/1/012038>
437. **Strekalovsky, A.O.** Fission Fragments Binary Brake-Up at Crossing of the Solid-State Foils / A.O.Strekalovsky, D.V.Kamanin, Yu.V.Pyatkov, Z.I.Goryainova, V.E.Zhuchko, A.A.Alexandrov, I.A.Alexandrova, E.A.Kuznetsova, O.V.Strekalovsky [a.o.] // Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics = Фундаментальные взаимодействия и нейтроны, структура ядра, ультрахолодные нейтроны, связанные темы : XXVII International Seminar on Interaction of Neutrons with Nuclei (ISINN-27), Dubna, Russia, June 10-14, 2019: Proceedings of the Seminar. – Dubna : JINR, 2020. – p.253-258. - Bibliogr.:7. – (JINR ; E3-2020-10).
<http://inis.jinr.ru/sl/NTBLIB/isinn-27-P253.pdf>

438. **Vardaci, E.** Fission and Quasifission Toward the Superheavy Mass Region / E.Vardaci, M.G.Itkis, I.M.Itkis, G.Knyazheva, E.M.Kozulin // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.256-270. - Bibliogr.:16.
https://doi.org/10.1142/9789811209451_0037
439. **Voronov, V.** Complex Configurations and Nuclear Structure Problems / V.Voronov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1555. – p.012002. - Bibliogr.:31.
<https://doi.org/10.1088/1742-6596/1555/1/012002>
440. **Zalewski, B.** Study of ^6He -d Reactions as a First Experiment at ACCULINNA-2 Separator / B.Zalewski, S.G.Belogurov, A.A.Bezbakh, V.Chudoba, A.S.Fomichev, E.M.Gazeeva, M.S.Golovkov, A.V.Gorshkov, G.Kaminski, S.A.Krupko, B.Mauev, I.A.Muzalevsky, E.Yu.Nikolskii, A.Serikov, S.I.Sidorchuk, R.S.Slepnev, P.G.Sharov, G.M.Ter-Akopian, R.Wolski [a.o.] // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.154-159. - Bibliogr.:10.
https://doi.org/10.1142/9789811209451_0022
441. **Zeinalov, Sh.** Nuclear Fission Investigation with Twin Ionization Chamber / Sh.Zeinalov, P.Sedyshev, O.Sidorova, V.Shvetsov // International Journal of Modern Physics: Conference Series [Electronic resource]. – 2020. – Vol.50. – p.2060013. - Bibliogr.:14.
<https://doi.org/10.1142/S2010194520600137>
442. **Zhang, M.M.** A New Isomeric State in ^{218}Pa / M.M.Zhang, A.A.Voinov, Yu.S.Tsyganov, A.N.Polyakov, M.V.Shumeiko [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.800. – p.135102. - Bibliogr.:23.
<https://doi.org/10.1016/j.physletb.2019.135102>
443. **Zhivkov, P.K.** Neutron Induced Reactions in Massive Spallation Targets / P.K.Zhivkov, Ch.P.Stoaynov, S.I.Tyutyunnikov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1555. – p.012034. - Bibliogr.:5.
<https://doi.org/10.1088/1742-6596/1555/1/012034>
444. **Zhu, S.J.** Coexistence of Reflection Asymmetric and Symmetric Shapes in ^{144}Ba / S.J.Zhu, E.H.Wang, G.M.Ter-Akopian, Yu.Ts.Oganessian [et al.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.3. – p.032501. - Bibliogr.:42.
<https://doi.org/10.1103/PhysRevLett.124.032501>
445. **von Oertzen, W.** A New Radioactive Decay Mode, True Ternary Fission, the Decay of Heavy Nuclei into Three Comparable Fragments / W.von Oertzen, A.K.Nasirov // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.12. – p.299. - Bibliogr.:70.
<https://doi.org/10.1140/epja/s10050-020-00286-7>
446. **Безбах, А.Н.** Плотность уровней ядер с $Z = 112-120$ / А.Н.Безбах, А.Рахмати Неджад, Т.М.Шнейдман, Н.В.Антоненко // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №8. – с.1147-1151. - Библиогр.:13.
http://inis.jinr.ru/sl/NTBLIB/43159540_57110421.pdf

447. **Борзов, И.Н.** Глобальные расчеты свойств β -распада на основе функционала Фаянса / И.Н.Борзов // Ядерная физика. – 2020. – Т.83, №5. – с.413-426. - Библиогр.:50.
http://inis.jinr.ru/sl/NTBLIB/43795265_13454873.pdf
448. **Борзов, И.Н.** Самосогласованный расчет зарядовых радиусов в длинной изотопической цепочке $^{58-82}\text{Cu}$ / И.Н.Борзов, С.В.Толоконников // Ядерная физика. – 2020. – Т.83, №6. – с.482-494. - Библиогр.:50.
http://inis.jinr.ru/sl/NTBLIB/44090895_65135934.pdf
449. **Борзов, И.Н.** Функционал Фаянса: самосогласованное описание изоспиновых возбуждений / И.Н.Борзов, С.В.Толоконников // Ядерная физика. – 2020. – Т.83, №1. – с.25-33. - Библиогр.:44.
http://inis.jinr.ru/sl/NTBLIB/42253124_33591439.pdf
450. **Воинов, А.А.** Синтез и изучение свойств сверхтяжелых ядер ^{294}Ts и ^{294}Og / А.А.Воинов, В.К.Утенков, Ю.Ц.Оганесян, Ф.Ш.Абдуллин, А.Н.Поляков, Ю.С.Цыганов, И.В.Широковский, Р.Н.Сагайдак, В.Г.Субботин, С.Н.Дмитриев, М.Г.Иткис, М.В.Шумейко, Н.Д.Коврижных, А.В.Сабельников, Г.К.Востокин // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №4. – с.462-467. - Библиогр.:20.
http://inis.jinr.ru/sl/NTBLIB/42578299_90931832.pdf
451. **Ганев, Хубен Ганев.** Развитие алгебраической теории коллективных движений атомных ядер = Development of an Algebraic Theory of the Collective Motions in Atomic Nuclei : автореф. дис... д-ра физ.-мат. наук: 01.04.16 / Хубен Ганев Ганев. – Дубна : ОИЯИ, 2020. – 29 с. : ил. – (ОИЯИ ; 4-2020-3). - Библиогр.: с. 28-29.
http://inis.jinr.ru/sl/NTBLIB/Ganev_Avtoreferat.pdf
452. **Джолос, Р.В.** Фазовые переходы и сосуществование форм в атомных ядрах / Р.В.Джолос, Е.А.Колганова, Л.А.Малов, Е.В.Мардыбан, Д.А.Сазонов, Т.М.Шнейдман // Ядерная физика. – 2020. – Т.83, №4. – с.309-316. - Библиогр.:15.
http://inis.jinr.ru/sl/NTBLIB/42964053_76182687.pdf
453. **Еремин, А.В.** Спектроскопия изотопов трансформированных элементов в Дубне: современное состояние и перспективы / А.В.Еремин, А.Г.Попеко, О.Н.Малышев, А.В.Исаев, А.А.Кузнецова, Ю.А.Попов, А.И.Свирихин, Е.А.Сокол, М.С.Тезекбаева, М.Л.Челноков, В.И.Чепигин [и др.] // Ядерная физика. – 2020. – Т.83, №4. – с.278-287. - Библиогр.:22.
http://inis.jinr.ru/sl/NTBLIB/42964049_41768014.pdf
454. **Ефимов, А.Д.** Описание состояний ираст-полосы в ^{156}Dy / А.Д.Ефимов, И.Н.Изоимов. – Дубна : ОИЯИ, 2020. – 16 с. – (ОИЯИ ; P4-2020-40). - Библиогр.:27.
[http://www1.jinr.ru/Preprints/2020/040\(P4-2020-40\).pdf](http://www1.jinr.ru/Preprints/2020/040(P4-2020-40).pdf)
455. **Зайцев, А.А.** Эксперимент BECQUEREL: статус и перспективные задачи / А.А.Зайцев, П.И.Зарубин, А.И.Малахов // Новости ОИЯИ = JINR News. – 2020. – №3. – с.18-21. - Библиогр.:2.
http://inis.jinr.ru/sl/NTBLIB/Novosti_3-2020_P18.pdf

456. **Иткис, Ю.М.** Деление и квазиделение в реакциях с деформированными ядрами / Ю.М.Иткис, А.В.Карпов, Г.Н.Княжева, Э.М.Козулин, Н.И.Козулина, К.В.Новиков, К.Б.Гикал, И.Н.Дятлов, И.В.Пчелинцев, И.В.Воробьев, А.Н.Пан, П.П.Сингх // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №8. – с.1141-1146. - Библиогр.:14.
http://inis.jinr.ru/sl/NTBLIB/43159539_79127023.pdf
457. **Кузнецова, А.А.** Детальное изучение свойств радиоактивного распада изотопов No, Rf и Db / А.А.Кузнецова, А.В.Еремин, А.Г.Попеко, О.Н.Мальшев, В.И.Чепигин, А.И.Свирихин, А.В.Исаев, Ю.А.Попов, М.Л.Челноков, М.С.Тезекбаева [и др.] // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №8. – с.1134-1140. - Библиогр.:18.
http://inis.jinr.ru/sl/NTBLIB/43159538_26443459.pdf
458. **Кумар, Д.** Изучение масс-асимметричного деления $^{180,190}\text{Hg}$ в реакциях $^{36}\text{Ar} + ^{144,154}\text{Sm}$ / Д.Кумар, Э.М.Козулин, М.Чералу, Г.Н.Княжева, Ю.М.Иткис, М.Г.Иткис, К.В.Новиков, А.А.Богачев, Н.И.Козулина, И.Н.Дятлов, И.В.Пчелинцев, И.В.Воробьев, Т.Банерджи, Е.С.Мухамеджанов, А.Н.Пан, В.В.Сайко [и др.] // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №8. – с.1209-1214. - Библиогр.:20.
http://inis.jinr.ru/sl/NTBLIB/43159550_67539193.pdf
459. **Мардыбан, Е.В.** Описание стабилизации октупольной деформации в полосах переменной четности тяжелых ядер / Е.В.Мардыбан, Т.М.Шнейдман, Е.А.Колганова, Р.В.Джолос // Ядерная физика. – 2020. – Т.83, №1. – с.54-60. - Библиогр.:32.
http://inis.jinr.ru/sl/NTBLIB/42253224_50021493.pdf
460. **Рогов, И.С.** Влияние распределения нуклонной плотности на описание распада ядра / И.С.Рогов, Н.В.Антоненко, Г.Г.Адамян, Т.М.Шнейдман // Ядерная физика. – 2020. – Т.83, №1. – с.16-24. - Библиогр.:19.
http://inis.jinr.ru/sl/NTBLIB/42253115_50736977.pdf
461. **Рухадзе, Н.И.** Поиск $\beta^+\text{EC}$ и EC/EC распадов ^{74}Se / Н.И.Рухадзе, В.Б.Бруданин, А.А.Клименко, А.В.Рахимов, Ю.А.Шитов [и др.] // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №8. – с.1180-1184. - Библиогр.:8.
http://inis.jinr.ru/sl/NTBLIB/43159545_51804025.pdf
462. **Самарин, В.В.** Изучение основных состояний ядер $^{6,7,9,10}\text{Be}$ методом фейнмановских континуальных интегралов / В.В.Самарин // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №8. – с.1187-1196. - Библиогр.:35.
http://inis.jinr.ru/sl/NTBLIB/43159547_44183633.pdf
463. **Саргсян, В.В.** От двойной ядерной системы к тесным двойным звездам и галактикам / В.В.Саргсян, Х.Ленске, Г.Г.Адамян, Н.В.Антоненко // Ядерная физика. – 2020. – Т.83, №1. – с.61-69. - Библиогр.:11.
http://inis.jinr.ru/sl/NTBLIB/42253249_66785256.pdf
464. **Сухарева, О.М.** Изучение применимости квазиклассического подхода к трехтелным распадам / О.М.Сухарева, Л.В.Григоренко, Д.А.Костылева, М.В.Жуков // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №4. – с.586-589. - Библиогр.:10.
http://inis.jinr.ru/sl/NTBLIB/42578322_15286843.pdf

465. **Тамбовцев, Д.И.** Экспериментальные исследования энергетической зависимости угловой анизотропии осколков деления ориентированных ядер ^{235}U резонансными нейтронами [ЯФ, 1997, Т.60, вып.6, С.981-987] / Д.И.Тамбовцев, Ю.Н.Копач, А.Б.Попов, В.И.Фурман, А.А.Богдзель [и др.] // Избранные труды. Воспоминания / Николай Семенович Работнов ; Отв. ред.: А.В.Игнатюк. – Обнинск : ГНЦ РФ - ФЭИ, 2020. – с.478-488. - Библиогр.:18.

466. **Усманов, П.Н.** Анализ магнитных характеристик состояний $^{158,160}\text{Gd}$ в рамках феноменологической модели / П.Н.Усманов, А.И.Вдовин, Э.К.Юсупов // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №8. – с.1174-1179. - Библиогр.:16.

http://inis.jinr.ru/sl/NTBLIB/43159544_89728829.pdf

467. **Хушвактов, Ж.** К моделированию $^{\text{nat}}\text{U} + ^{232}\text{Th}$ нейтронного источника на основе $d + t$ нейтронного генератора / Ж.Хушвактов, Б.Юлдашев, С.Артемов [и др.] // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №12. – с.1800-1802. - Библиогр.:4.

http://inis.jinr.ru/sl/NTBLIB/44154385_91636330.pdf

468. **Шаров, Павел Германович.** Изучение энергетических спектров экзотических ядер ^{10}Ne и ^{17}Ne : автореф. дис... канд. физ.-мат. наук: 01.04.16 / Павел Германович Шаров. – Дубна : ОИЯИ, 2020. – 20 с. : ил. – (ОИЯИ ; 15-2020-28). - Библиогр.: с. 17-20.

http://inis.jinr.ru/sl/NTBLIB/Sharov_PG_aut.pdf

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469. **Abdurakhimov, B.A.** The Study of Ancient Romanian Pottery Fragments by Non-Destructive Techniques at the IBR-2 Reactor / B.A.Abdurakhimov, S.E.Kichanov, D.P.Kozlenko, M.Balasoiu [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.108. – (JINR ; E3-2020-19).
470. **Abu Ghazal, A.A.** Tracking Martensitic Transformation of AISI 321 Stainless Steel Using Scanning Contact Potentiometry and Thermal Neutron Diffraction / A.A.Abu Ghazal, V.I.Surin, G.D.Bokuchava, I.V.Papushkin // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.115-116. - Bibliogr.:3. – (JINR ; E3-2020-19).
471. **Anghel, L.** Pectin/Beta-Lactoglobulin Interactions Observed by Small-Angle Scattering / L.Anghel, A.I.Kuklin, V.I.Bodnarchuk, R.V.Erhan // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.187-188. - Bibliogr.:4. – (JINR ; E3-2020-19).
472. **Anghel, L.** Structural Study of the Beta-Lactoglobulin-Beta-Glucan System Using Small-Angle Neutron Scattering / L.Anghel, A.I.Kuklin, O.Ivankov, V.I.Bodnarchuk, R.V.Erhan // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.189-190. - Bibliogr.:5. – (JINR ; E3-2020-19).
473. **Anitas, E.M.** Small-Angle Scattering and Multifractal Analysis of DNA Sequences / E.M.Anitas // International Journal of Molecular Sciences [Electronic resource]. – 2020. – Vol.21, No.13. – p.4651. - Bibliogr.:54.
<https://doi.org/10.3390/ijms21134651>
474. **Anitas, E.M.** Small-Angle Scattering from Fractals: Differentiating Between Various Types of Structures / E.M.Anitas // Symmetry [Electronic resource]. – 2020. – Vol.12, No.1. – p.65. - Bibliogr.:82.
<https://doi.org/10.3390/sym12010065>
475. **Anitas, E.M.** Structural Properties of Janus Particles with Nano- and Mesoscale Anisotropy / E.M.Anitas // Nanomaterials [Electronic resource]. – 2020. – Vol.10, No.5. – p.989. - Bibliogr.:31.
<https://doi.org/10.3390/nano10050989>
476. **Anitas, E.M.** Structural Properties of Molecular Sierpinski Triangle Fractals / E.M.Anitas // Nanomaterials [Electronic resource]. – 2020. – Vol.10, No.5. – p.925. - Bibliogr.:30.
<https://doi.org/10.3390/nano10050925>
477. **Artykulnyi, O.P.** Structural Investigations of Poly(Ethylene Glycol)-Dodecylbenzenesulfonic Acid Complexes in Aqueous Solutions / O.P.Artykulnyi, A.V.Shibaev, O.I.Ivankov [et al.] // Journal of Molecular Liquids [Electronic resource]. – 2020. – Vol.308. – p.113045. - Bibliogr.:58.
<https://doi.org/10.1016/j.molliq.2020.113045>

478. **Artykulnyi, O.P.** Study of Surfactant-Polymer Complexes Structure by Small-Angle Neutron Scattering / O.P.Artykulnyi, M.V.Avdeev, V.I.Petrenko, O.I.Ivankov, L.A.Bulavin // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.89. - Bibliogr.:2. – (JINR ; E3-2020-19).
479. **Astaf'eva, S.** Small-Angle Neutron Scattering Investigation of Several Ferrofluids for Magneto-Optical Applications / S.Astaf'eva, M.Balasoii, A.Kuklin, O.Ivankov, D.Soloviov, V.Turchenko, A.-M.Balasoii-Gaina [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.176-177. - Bibliogr.:3. – (JINR ; E3-2020-19).
480. **Azarova, L.A.** Novel Resorcinol-Formaldehyde Aerogels: Synthesis, Structure and Fractal Properties / L.A.Azarova, G.P.Kopitsa, Yu.E.Gorshkova [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.117-118. – (JINR ; E3-2020-19).
481. **Baczmanski, A.** Deformation Mechanisms and Microstress Evolution in Polycrystalline Materials Studied Using Diffraction and Modelling / A.Baczmanski, Ch.Scheffzuek, G.Bokuchava [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.102-103. - Bibliogr.:3. – (JINR ; E3-2020-19).
482. **Badmaarag, A.** Tensional Residual Strain Investigation by Force Direction of the Rebar Steel Sample Using Time-of-Flight Neutron Diffraction at the Strain/ Stress Diffractometer Epsilon / A.Badmaarag, V.Sikolenko, Ch.Scheffzuek [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.232. - Bibliogr.:5. – (JINR ; E3-2020-19).
483. **Belogorlov, A.A.** Application of the Small-Angle Neutron Scattering Method to Study Dispersion of Non-Wetting Liquids in Nanoporous Materials / A.A.Belogorlov, Yu.E.Gorshkova, A.I.Kuklin [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.56-57. - Bibliogr.:4. – (JINR ; E3-2020-19).
484. **Belozerova, N.M.** Synthesis of New Materials and Investigations Using Raman Spectroscopy and Thermal Analysis in FLNP JINR / N.M.Belozerova, O.Yu.Ivanshina, A.A.Nabiyev, A.Pawlukoje, I.Zuba // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.110-111. - Bibliogr.:5. – (JINR ; E3-2020-19).
485. **Bobrikov, I.A.** New Equipment for Sample Preparation and Study of Functional Materials / I.A.Bobrikov // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.112. – (JINR ; E3-2020-19).
486. **Bokuchava, G.** Study of Residual Stresses and Microstructural Changes in Charpy Test Specimens Reconstituted by Various Weldng Techniques / G.Bokuchava, P.Petrov // Metals [Electronic resource]. – 2020. – Vol.10, No.5. – p.632. - Bibliogr.:36.
<https://doi.org/10.3390/met10050632>

487. **Bondarev, N.A.** The Physical and Chemical Characteristics of Fused Protein Methionine Γ -Lyase from Clostridium Sporogenes and S-3 Domain of Growth Factor from Vaccinia Virus / N.A.Bondarev, A.I.Kuklin, Yu.L.Rizhikov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.195-196. - Bibliogr.:7. – (JINR ; E3-2020-19).
488. **Bosak, A.** Fluorination of Diamond Nanoparticles in Slow Neutron Reflectors Does Not Destroy Their Crystalline Cores and Clustering While Decreasing Neutron Losses / A.Bosak, O.Ivankov, E.Lychagin, A.Muzychka, G.Nekhaev, A.Nezvanov, A.Strelkov, K.Zhernenkov [a.o.] // Materials [Electronic resource]. – 2020. – Vol.13, No.15. – p.3337. - Bibliogr.:59. <https://doi.org/10.3390/ma13153337>
489. **Bukhdruker, S.S.** Crystallography and Small-Angle Study of Cytochrome P450 - Redox Partner Electron-Transfer Complex / S.S.Bukhdruker, Y.L.Ryzhykau, A.I.Kuklin [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.192-193. - Bibliogr.:5. – (JINR ; E3-2020-19).
490. **Carro-Sevillano, G.** Residual Stress Distribution After a Quenching Treatment Obtained by Neutron Diffraction Experiments and FEM Simulation / G.Carro-Sevillano, R.Fernandez Serrano, G.Bokuchava [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.233. – (JINR ; E3-2020-19).
491. **Cornei, N.** Spin-Glass State Influence on the Low Temperature Transport Phenomena in $\text{La}_{0.54}\text{Nd}_{0.11}\text{Sr}_{0.35}\text{Mn}_{1-x}\text{Co}_x\text{O}_3$ Manganites / N.Cornei, M.-L.Craus, C.Mita // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.119-120. – (JINR ; E3-2020-19).
492. **Doge, S.** Scattering of Ultracold Neutrons from Rough Surfaces of Metal Foils / S.Doge, J.Hingerl, E.V.Lychagin, C.Morkel // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.6. – p.064607. - Bibliogr.:34. <https://doi.org/10.1103/PhysRevC.102.064607>
493. **Egorov, V.V.** Model System for Immunosuppressive Peptides Interaction Study / V.V.Egorov, Y.E.Gorshkova, Y.A.Zabrodskaia // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.201-202. – (JINR ; E3-2020-19).
494. **El Abd, A.** Determination of Moisture Distributions in Porous Building Bricks by Neutron Radiography / A.El Abd, S.E.Kichanov, M.Taman, K.M.Nazarov, D.P.Kozlenko, W.M.Badawy // Applied Radiation and Isotopes [Electronic resource]. – 2020. – Vol.156. – p.108970. - Bibliogr.:p.10-11. <https://doi.org/10.1016/j.apradiso.2019.108970>
495. **El Abd, A.** Penetration of Water into Cracked Geopolymer Mortars by Means of Neutron Radiography / A.El Abd, S.E.Kichanov, M.Taman, K.M.Nazarov // Construction and Building Materials [Electronic resource]. – 2020. – Vol.256. – p.119471. - Bibliogr.:75. <https://doi.org/10.1016/j.conbuildmat.2020.119471>

496. **Elnikova, L.V.** Knotting of Carbon Nanotubes in Isotactic Polypropylene Matrix Due to the Results of Small-Angle Neutron Scattering and Lattice Numerical Modeling / L.V.Elnikova, V.V.Skoi, A.I.Kuklin [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.199-200. - Bibliogr.:4. – (JINR ; E3-2020-19).
497. **Erhan, R.V.** Manganese Oxide Doped Lead-Germanate Glasses: Raman, EPR and SANS Studies / R.V.Erhan, S.Rada, M.Suciu [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.203-204. - Bibliogr.:3. – (JINR ; E3-2020-19).
498. **Erhan, S.E.** Second Osteoporosis in Rats Studied by Small Angle Neutron Scattering / S.E.Erhan, A.I.Kuklin, R.V.Erhan [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.205. - Bibliogr.:1. – (JINR ; E3-2020-19).
499. **Fedoseev, M.L.** Research of Structural Transformation Mechanism in High Strength Steel / M.L.Fedoseev, S.N.Petrov, A.Kh.Islamov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.121-122. - Bibliogr.:2. – (JINR ; E3-2020-19).
500. **Genov, I.G.** Structural Characterization of Yttrium Doped Barium Cerate $\text{BaCe}_{0.85}\text{Y}_{0.15}\text{O}_{3-\alpha}$ for Application in Solid Oxide Fuel Cells / I.G.Genov, A.V.Rutkauskas, E.V.Lukin, D.P.Kozlenko, S.E.Kichanov, N.M.Belozeroва, V.A.Turchenko, E.P.Popov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.123-124. - Bibliogr.:5. – (JINR ; E3-2020-19).
501. **Golosoва, N.O.** High Pressure Effects on the Crystal and Magnetic Structures of Co_3O_4 / N.O.Golosoва, D.P.Kozlenko, S.E.Kichanov, E.V.Lukin, B.N.Savenko [et al.] // Journal of Magnetism and Magnetic Materials [Electronic resource]. – 2020. – Vol.508. – p.166874. - Bibliogr.:28.
<https://doi.org/10.1016/j.jmmm.2020.166874>
502. **Golosoва, N.O.** Magnetic and Structural Properties of Fe-Doped Layered Cobaltite $\text{TbBaCo}_{1.91}\text{Fe}_{0.09}\text{O}_{5.5}$ at High Pressures / N.O.Golosoва, D.P.Kozlenko, S.E.Kichanov, E.V.Lukin, A.V.Rutkauskas, K.V.Glazyrin, B.N.Savenko // Journal of Magnetism and Magnetic Materials [Electronic resource]. – 2020. – Vol.494. – p.165801. - Bibliogr.:41.
<https://doi.org/10.1016/j.jmmm.2019.165801>
503. **Golovin, I.S.** Study of First and Second Order Transitions in Fe-Ga and Fe-Al Alloys / I.S.Golovin, A.M.Balagurov // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.34. – (JINR ; E3-2020-19).
504. **Gorshkova, Yu.E.** Biohybrid Complexes with Phyto-Generated Entities from Nettle & Grapes and Their Potential Application in the Biomedical Field / Yu.E.Gorshkova, G.D.Bokuchava, V.A.Turchenko [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.197-198. - Bibliogr.:1. – (JINR ; E3-2020-19).

505. **Gunderov, D.** Influence of High-Pressure Torsion and Accumulative High-Pressure Torsion on Microstructure and Properties of Zr-Based Bulk Metallic Glass Vit105 / D.Gunderov, V.Astanin, A.Islamov [a.o.] // Metals [Electronic resource]. – 2020. – Vol.10, No.11. – p.1433. - Bibliogr.:56.
<https://doi.org/10.3390/met10111433>
506. **Hashhash, A.** Neutron Diffraction and Mossbauer Spectroscopy Studies for Ce Doped CoFe_2O_4 Nanoparticles / A.Hashhash, I.Bobrikov [et al.] // Journal of Magnetism and Magnetic Materials [Electronic resource]. – 2020. – Vol.503. – p.166624. - Bibliogr.:24.
<https://doi.org/10.1016/j.jmmm.2020.166624>
507. **Hrubovcak, P.** Single Lipid Bilayer Changes Induced by Cholesterol and Melatonin / P.Hrubovcak, E.Dushanov, T.Kondela, O.Tomchuk, K.Kholmurodov, N.Kucerka // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.84. – (JINR ; E3-2020-19).
508. **Ilinov, D.V.** Structural Analysis of the in GaAs/GaAs Heterostructures by High-Resolution Reciprocal Space Mapping and Neutron Scattering / D.V.Ilinov, A.D.Shabrin, V.V.Sadilov // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.125-126. - Bibliogr.:5. – (JINR ; E3-2020-19).
509. **Ion, R.M.** Non-Destructive and Micro-Invasive Techniques for Characterizing the Ancient Roman Mosaic Fragments / R.M.Ion, B.A.Bakirov, S.E.Kichanov, D.P.Kozlenko, A.V.Belushkin [a.o.] // Applied Sciences [Electronic resource]. – 2020. – Vol.10, No.11. – p.3781. - Bibliogr.:51.
<https://doi.org/10.3390/app10113781>
510. **Ivankina, T.I.** Neutron Diffraction and Neutron Computed Tomography Investigation of Scleractinian Corals Skeleton / T.I.Ivankina, S.E.Kichanov, O.G.Duliu [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.100-101. - Bibliogr.:4. – (JINR ; E3-2020-19).
511. **Ivankov, O.** Advances in Understanding the Conformational Diseases Mimicking Model Membranes by Neutron Scattering / O.Ivankov, E.Ermakova, T.Murugova, D.Badreeva, E.Dushanov, T.Kondela, Kh.Kholmurodov, A.Kuklin, N.Kucerka // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.80. - Bibliogr.:1. – (JINR ; E3-2020-19).
512. **Ivanova, L.A.** Crystal and Supramolecular Structure of Bacterial Cellulose Hydrolyzed by Cellobiohydrolase from *Scytalidium Candidum* 3C: a Basis for Development of Biodegradable Wound Dressings / L.A.Ivanova, Y.E.Gorshkova, N.A.Verlov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.206. – (JINR ; E3-2020-19).
513. **Ivanova, L.A.** Crystal and Supramolecular Structure of Bacterial Cellulose Hydrolyzed by Cellobiohydrolase from *Scytalidium Candidum* 3C: a Basis for Development of Biodegradable Wound Dressings / L.A.Ivanova, K.B.Ustinovich, Yu.E.Gorshkova [a.o.] // Materials [Electronic resource]. – 2020. – Vol.13, No.9. – p.2087. - Bibliogr.:73.
<https://doi.org/10.3390/ma13092087>

514. **Jargalan, N.** Dynamic Light Scattering Investigations of the Kinetics of Cluster Growth in Fullerene C₆₀ Solutions / N.Jargalan, T.V.Tropin, M.V.Avdeev, V.L.Aksenov, D.Sangaa // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.148-149. - Bibliogr.:7. – (JINR ; E3-2020-19).
515. **Jozwiak, K.** Inter- vs. Intramolecular Hydrogen Bond Patterns and Proton Dynamics in Nitrophthalic Acid Associates / K.Jozwiak, A.Jezierska, E.A.Goremychkin [a.o.] // Molecules [Electronic resource]. – 2020. – Vol.25, No.20. – p.4720. - Bibliogr.:150.
<https://doi.org/10.3390/molecules25204720>
516. **Jozwiak, K.** Proton Dynamics in Phthalic Acid Associates / K.Jozwiak, E.Goremychkin, A.Jezierska [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.174. – (JINR ; E3-2020-19).
517. **Juszynska-Galazka, E.** Vibrational Dynamics of Molecules Phenyl Substances with Varying Degrees of Molecular Ordering / E.Juszynska-Galazka, W.M.Zajac, M.Jasiurkowska-Delaporte, D.M.Chudoba // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.96. - Bibliogr.:3. – (JINR ; E3-2020-19).
518. **Kalanda, N.** Oxygen Non-Stoichiometry and Superstructural Ordering of Fe/Mo Cations in the Strontium Ferromolybdate / N.Kalanda, M.Yarmolich, I.Bobrikov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.127. - Bibliogr.:2. – (JINR ; E3-2020-19).
519. **Kalanda, N.** The Influence of Cation Ordering and Oxygen Nonstoichiometry on Magnetic Properties of Sr₂FeMoO_{6-x} Around Curie Temperature / N.Kalanda, I.Bobrikov [et al.] // Journal of Magnetism and Magnetic Materials [Electronic resource]. – 2020. – Vol.500. – p.166386. - Bibliogr.:45.
<https://doi.org/10.1016/j.jmmm.2019.166386>
520. **Kalanda, N.** Thermodynamic, Structural and Magnetic Characteristics of Barium Ferromolybdate Compound / N.Kalanda, M.Yarmolich, I.Bobrikov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.128. - Bibliogr.:2. – (JINR ; E3-2020-19).
521. **Kamanina, N.V.** Neutron Reflectometry of Carbon Nanotubes Layer Deposited on Conducting Substrates / N.V.Kamanina, D.V.Korda, A.V.Tomchuk [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.58-59. - Bibliogr.:1. – (JINR ; E3-2020-19).
522. **Karpets, M.** Neutron Reflectometry and Dielectric Spectroscopy Study of Transformer Oil-Based Ferrofluids / M.Karpets, M.Rajnak, I.Gapon [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.180. - Bibliogr.:2. – (JINR ; E3-2020-19).

523. **Kenessarín, M.R.** Research of Structure of Cement Materials for Storage of Radioactive Graphite by Neutron Tomography / M.R.Kenessarín, S.E.Kichanov, I.Y.Zel, D.P.Kozlenko, M.Balasoú [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.109. – (JINR ; E3-2020-19).
524. **Kichanov, S.E.** The Neutron Radiography and Tomography Facility on the IBR-2 Reactor: Current State and Recent Results / S.E.Kichanov, D.P.Kozlenko, E.V.Lukin, B.N.Savenko, I.A.Saprykina // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.67. – (JINR ; E3-2020-19).
525. **Kirillov, A.K.** Features of the Structure of the Chelyabinsk Meteorite According to Neutron SAS / A.K.Kirillov, T.A.Vasilenko, A.Kh.Islamov // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.234. - Bibliogr.:3. – (JINR ; E3-2020-19).
526. **Klepacka, M.K.** Monte-Carlo Simulation of Inelastic Neutron Scattering Spectrometer / M.K.Klepacka, D.M.Chudoba // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.160. – (JINR ; E3-2020-19).
527. **Kondela, T.** Investigation into the Effect of Cholesterol and Melatonin on the Amyloid Embedded Model Membrane Through Neutron Scattering / T.Kondela, P.Hrubovcak, E.Dushanov, K.Kholmurodov, O.Ivankov, T.Murugova, A.Kuklin, N.Kucerka // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.207. - Bibliogr.:1. – (JINR ; E3-2020-19).
528. **Korolkov, I.V.** Carboranes Immobilization on Fe₃O₄ Nanocomposites for Targeted Delivery / I.V.Korolkov, K.Ludzik, M.Jazdzewska, D.Chudoba, A.Nazarova [et al.] // Materials Today Communications [Electronic resource]. – 2020. – Vol.24. – p.101247. - Bibliogr.:63. <https://doi.org/10.1016/j.mtcomm.2020.101247>
529. **Korolkov, I.V.** Immobilization of Carboranes on Fe₃O₄-Polymer Nanocomposites for Potential Application in Boron Neutron Cancer Therapy / I.V.Korolkov, K.Ludzik, M.Jazdzewska [et al.] // Colloids and Surfaces A: Physicochemical and Engineering Aspects [Electronic resource]. – 2020. – Vol.601. – p.125035. - Bibliogr.:95. <https://doi.org/10.1016/j.colsurfa.2020.125035>
530. **Koryttseva, A.K.** Reaction Cell for in situ Neutron Diffraction Studies / A.K.Koryttseva, A.N.Tinakov, A.I.Beskrovnyy // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.161-162. - Bibliogr.:3. – (JINR ; E3-2020-19).
531. **Kosiachkin, Ye.** Electrochemical Cells for Neutron Reflectometry / Ye.Kosiachkin, I.V.Gapon, M.V.Avdeev, V.I.Petrenko, L.A.Bulavin // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.163-164. – (JINR ; E3-2020-19).

532. **Kot, P.** Investigation of Microstress Evolution in Mg-Alloy Using TOF Neutron Diffraction / P.Kot, A.Baczanski, Ch.Scheffzuk [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.105-106. - Bibliogr.:3. – (JINR ; E3-2020-19).
533. **Kozhevnikov, S.V.** Divergence of a Neutron Microbeam from Planar Waveguides / S.V.Kozhevnikov, V.D.Zhakotov, F.Radu // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.69. - Bibliogr.:3. – (JINR ; E3-2020-19).
534. **Kozlenko, D.P.** High Pressure Induced Structural and Magnetic Phase Transformations in BaYFeO₄ / D.P.Kozlenko, I.Yu.Zel, T.N.Dang, T.P.T.Le // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.231. – (JINR ; E3-2020-19).
535. **Kozlenko, D.P.** Neutron Scattering Instrumentation of IBR-2 High Flux Pulsed Reactor for Condensed Matter Research: Recent Developments / D.P.Kozlenko // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.27. – (JINR ; E3-2020-19).
536. **Krezhov, K.** Barium Titanate from Multicomponent Glass Doped with Iron Oxide - Crystallization Effects / K.Krezhov, A.Beskrovny, E.Popov, E.Lukin [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.38-39. - Bibliogr.:8. – (JINR ; E3-2020-19).
537. **Krezhov, K.** Barium Titanate from Multicomponent Glass Doped with Iron Oxide - Low-Temperature Phase Transitions of Barium Titanate / K.Krezhov, E.Lukin, A.Beskrovny, E.Popov, D.Kozlenko, S.Kichanov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.129-130. – (JINR ; E3-2020-19).
538. **Kuklin, A.I.** Status and Prospects of Small-Angle Scattering at IBR-2 / A.I.Kuklin, D.V.Soloviov, O.I.Ivankov, A.V.Rogachev, V.V.Skoy, A.Kh.Islamov, Yu.S.Kovalev, A.G.Soloviov, A.V.Vlasov, Yu.L.Rizhikau, A.A.Nabiyev, M.I.Rulev, V.I.Gordeliy // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.65-66. - Bibliogr.:7. – (JINR ; E3-2020-19).
539. **Kulin, G.V.** Nonstationary Neutron Diffraction by Surface Acoustic Waves / G.V.Kulin, A.I.Frank, V.A.Bushuev [a.o.] // Physical Review B [Electronic resource]. – 2020. – Vol.101, No.16. – p.165419. - Bibliogr.:34.
<https://doi.org/10.1103/PhysRevB.101.165419>
540. **Kuzmenko, M.O.** Support Silicon Oxide Nanolayer for Neutron Reflectometry Solid-Liquid Cell for Studying Biological Solutions / M.O.Kuzmenko, I.V.Gapon, M.V.Avdeev, Yu.Ye.Gorshkova, V.A.Maslova, O.P.Dmytrenko // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.208-209. - Bibliogr.:3. – (JINR ; E3-2020-19).

541. **Kwiatkowski, A.L.** Opposite Effect of Salt on Branched Wormlike Surfactant Micelles with and Without Embedded Polymer / A.L.Kwiatkowski, V.S.Molchanov, A.I.Kuklin, O.E.Philippova // Journal of Molecular Liquids [Electronic resource]. – 2020. – Vol.311. – p.113301. - Bibliogr.:55.
<https://doi.org/10.1016/j.molliq.2020.113301>
542. **Kwiatkowski, A.L.** Small-Angle Neutron Scattering Study of Polymer-Containing (Hybrid) Wormlike Micelles of Ionic Surfactant / A.L.Kwiatkowski, V.S.Molchanov, A.I.Kuklin, O.E.Philippova // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.92. – (JINR ; E3-2020-19).
543. **Larichev, Yu.V.** SANS and SAXS Study of Supported Metal Catalysts and Nanocomposites / Yu.V.Larichev, O.I.Ivankov // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.63. – (JINR ; E3-2020-19).
544. **Lebedev, D.V.** Effects of Macromolecules and Protein Complexes on the Interphase Chromatin Organization Registered by SANS / D.V.Lebedev, Ya.A.Zabrodsкая, A.I.Kuklin [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.87. - Bibliogr.:5. – (JINR ; E3-2020-19).
545. **Lebedev, V.T.** Neutron Studies of the Structure and Dynamics of Molecular and Polymer Self-Assembled Systems / V.T.Lebedev, A.I.Kuklin [a.o.] // Physica Scripta. – 2020. – Vol.95, No.4. – p.044008. - Bibliogr.:22.
<https://doi.org/10.1088/1402-4896/ab668e>
546. **Lebedev, V.T.** Ordering Nanodiamonds in Aqueous Systems with Active Molecular Additives / V.T.Lebedev, O.A.Kyzyma, T.V.Tropin [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.131. - Bibliogr.:2. – (JINR ; E3-2020-19).
547. **Lis, O.N.** The Neutron Diffraction Study of Crystal and Magnetic Structures of Multiferroic $\text{Bi}_{2-x}\text{Fe}_2\text{WO}_6$ / O.N.Lis, S.E.Kichanov, N.M.Belozerova, E.V.Lukin, B.N.Savenko, S.Balakumar // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.229. – (JINR ; E3-2020-19).
548. **Ludzik, K.** Can the Isothermal Calorimetric Curve Shapes Suggest the Structural Changes in Micellar Aggregates? / K.Ludzik, M.Jazdzewska, A.Rogachev, A.I.Kuklin [a.o.] // International Journal of Molecular Sciences [Electronic resource]. – 2020. – Vol.21, No.16. – p.5828. - Bibliogr.:63.
<https://doi.org/10.3390/ijms21165828>
549. **Lushnikov, S.A.** Structure of the RNi_3 (R-Dy,Ho)-Based Intermetallic Hydrides at 5K and 293K Temperature / S.A.Lushnikov, T.V.Filippova, I.A.Bobrikov // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.42-43. - Bibliogr.:3. – (JINR ; E3-2020-19).

550. **Lychagina, T.** Neutron Diffractions of Low pH Cement-Based Materials Used for Aluminum Radioactive Waste Conditioning: Aging Effects / T.Lychagina, D.Nikolayev, M.Balasoju, Z.Sekretarev, N.Lizunov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.132. - Bibliogr.:3. – (JINR ; E3-2020-19).
551. **Madhogaria, R.P.** Metamagnetism and Kinetic Arrest in a Long-Range Ferromagnetically Ordered Multicaloric Double Perovskite Y_2CoMnO_6 / R.P.Madhogaria, E.M.Clements, D.P.Kozlenko [et al.] // Journal of Magnetism and Magnetic Materials [Electronic resource]. – 2020. – Vol.507. – p.166821. - Bibliogr.:48.
<https://doi.org/10.1016/j.jmmm.2020.166821>
552. **Mednikova, M.** The Reconstruction of a Bronze Battle Axe and Comparison of Inflicted Damage Injuries Using Neutron Tomography, Manufacturing Modeling, and X-ray Microtomography Data / M.Mednikova, I.Saprykina, S.Kichanov, D.Kozlenko // Journal of Imaging [Electronic resource]. – 2020. – Vol.6, No.6. – p.45. - Bibliogr.:29.
<https://doi.org/10.3390/jimaging6060045>
553. **Millan, L.** Study of Residual Stresses in an Extruded Aluminum Alloy After Thermal Treatments / L.Millan, G.Bokuchava, I.Papushkin [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.236-237. - Bibliogr.:6. – (JINR ; E3-2020-19).
554. **Milyutin, V.A.** Effect of High Magnetic Field on the Phase Transition in Fe-24%Ga and Fe-27%Ga During Isothermal Annealing / V.A.Milyutin, I.A.Bobrikov, A.M.Balagurov [et al.] // Journal of Magnetism and Magnetic Materials [Electronic resource]. – 2020. – Vol.514. – p.167284. - Bibliogr.:29.
<https://doi.org/10.1016/j.jmmm.2020.167284>
555. **Mohamed, A.K.** Application of In Situ Neutron Diffraction to Study Thermokinetic Transitions in Galfenols / A.K.Mohamed, I.A.Bobrikov, A.M.Balagurov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.35. - Bibliogr.:5. – (JINR ; E3-2020-19).
556. **Naberezhnov, A.A.** SANS Studies of Nanostructured Low-Melting Metals at Room Temperature / A.A.Naberezhnov, A.Kh.Islamov, A.I.Kuklin [et al.] // Наносистемы: физика, химия, математика. – 2020. – Т.11, №6. – p.690-697. - Bibliogr.:42.
<https://doi.org/10.17586/2220-8054-2020-11-6-690-697>
557. **Nabiyev, A.A.** Fractal Aggregate Structure of HDPE/SiO₂ Polymer Nanocomposite Films / A.A.Nabiyev, A.Pawlukojc, A.Kh.Islamov, D.V.Soloviov, O.I.Ivankov, O.Yu.Ivanshina, A.I.Kuklin // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.133-134. - Bibliogr.:3. – (JINR ; E3-2020-19).
558. **Nagornyi, A.V.** Structural Aspects of Fe₃O₄/CoFe₂O₄ Nanoparticles by X-Ray and Neutron Scattering: Powders and Stabilization in Water / A.V.Nagornyi, M.V.Avdeev, O.I.Ivankov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.79. - Bibliogr.:5. – (JINR ; E3-2020-19).

559. **Nagorny, A.V.** Structural Characterization of Aqueous Magnetic Fluids with Nanomagnetite of Different Origin Stabilized by Sodium Oleate / A.V.Nagorny, M.V.Avdeev, O.I.Ivankov [et al.] // Journal of Molecular Liquids [Electronic resource]. – 2020. – Vol.312. – p.113430. - Bibliogr.:36.
<https://doi.org/10.1016/j.molliq.2020.113430>
560. **Nagorny, A.V.** Structural Characterization of Concentrated Aqueous Ferrofluids / A.V.Nagorny, V.I.Petrenko, O.I.Ivankov, M.V.Avdeev [et al.] // Journal of Magnetism and Magnetic Materials [Electronic resource]. – 2020. – Vol.501. – p.166445. - Bibliogr.:20.
<https://doi.org/10.1016/j.jmmm.2020.166445>
561. **Nazarov, K.M.** A Spatial Localization of Structural Degradation Areas in the Single Crystal Turbine Blades by Means of a Neutron Tomography Method / K.M.Nazarov, S.E.Kichanov, E.V.Lukin, A.V.Rutkauskas, B.N.Savenko // Eurasian Journal of Physics and Functional Materials [Electronic resource]. – 2020. – Vol.4, No.2. – p.122-131. - Bibliogr.:25.
<https://doi.org/10.29317/2020040202>
562. **Nazarov, K.M.** New Neutron Radiography and Tomography Facility TITAN at the WWR-K Reactor / K.M.Nazarov, B.Muhametuly, E.A.Kenzhin, S.E.Kichanov, D.P.Kozlenko, E.V.Lukin, A.A.Shaimerdenov // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.982. – p.164572. - Bibliogr.:32.
<https://doi.org/10.1016/j.nima.2020.164572>
563. **Nikolaev, A.V.** Towards an ab initio Theory for the Temperature Dependence of Electric Field Gradients in Solids: Application to Hexagonal Lattices of Zn and Cd / A.V.Nikolaev, N.M.Chtchelkatchev, D.A.Salamatin, A.V.Tsvyashchenko // Physical Review B [Electronic resource]. – 2020. – Vol.101, No.6. – p.064310. - Bibliogr.:56.
<https://doi.org/10.1103/PhysRevB.101.064310>
564. **Okhrimenko, I.S.** Preparation of Liposomes from Native Cell Membrane for SAXS/SANS Studies / I.S.Okhrimenko, Y.L.Zagryadskaya, A.I.Kuklin [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.213-214. - Bibliogr.:4. – (JINR ; E3-2020-19).
565. **Osipov, S.D.** Structural Parameters of Thylakoid Membrane: Lipid and Protein Parts / S.D.Osipov, A.V.Vlasov, Yu.L.Ryzykay, A.I.Kuklin, V.I.Gordeliy // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.211-212. - Bibliogr.:6. – (JINR ; E3-2020-19).
566. **Ospennikov, A.S.** Effect of Water-Soluble Monomer on Wormlike Micelles of Surfactant Studied by Small-Angle Neutron Scattering / A.S.Ospennikov, O.P.Artykulnyi, A.I.Kuklin [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.215. - Bibliogr.:1. – (JINR ; E3-2020-19).
567. **Ospennikov, A.S.** Investigation of Hydrogels Based on Cross-Linked Polymer and Wormlike Surfactant Micelles by Small-Angle Neutron Scattering / A.S.Ospennikov, A.I.Kuklin, A.V.Shibaev, O.E.Philippova // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.216. – (JINR ; E3-2020-19).

568. **Pakhnevich, A.V.** Crystallographic Texture of Fresh Water Bivalve Molluscs of the Family Unionidae / A.V.Pakhnevich, D.I.Nikolaev, T.A.Lychagina, M.Balasoju, I.Orhan // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.98-99. - Bibliogr.:5. – (JINR ; E3-2020-19).

569. **Pavlova, A.A.** Investigation of the Domain Structure of Segmented Polyurethane Ureas by Small Angle Neutron Scattering / A.A.Pavlova, A.N.Bugrov, Yu.E.Gorshkova [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.217. - Bibliogr.:2. – (JINR ; E3-2020-19).

570. **Piekos, P.** Symmetry/Asymmetry of the NHN Hydrogen Bond in Protonated 1,8-Bi(dimethylamino)Naphthalene / P.Piekos, A.Jeziarska, E.A.Goremychkin [a.o.] // Symmetry [Electronic resource]. – 2020. – Vol.12, No.11. – p.1924. - Bibliogr.:116. <https://doi.org/10.3390/sym12111924>

571. **Racolta, D.** Effects of Iron and Vanadium Ions on Lithium-Phosphate Glasses: Morphological, Structural and Spectroscopic Properties / D.Racolta, M.Balasoju, V.Sikolenko [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.135-136. - Bibliogr.:9. – (JINR ; E3-2020-19).

572. **Rajnak, M.** Structure and Dielectric Properties of Low-Polarity Ferrofluids Under an Electric Field / M.Rajnak, V.I.Petrenko, M.V.Avdeev [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.78. - Bibliogr.:4. – (JINR ; E3-2020-19).

573. **Rutkauskas, A.V.** The Effect of Doping of Sr^{2+} Ions on the Crystal and Magnetic Structure of Barium Hexaferrites $\text{Ba}_{1-x}\text{Sr}_x\text{Fe}_{12}\text{O}_{19}$ / A.V.Rutkauskas, D.P.Kozlenko, S.E.Kichanov, B.N.Savenko // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.230. – (JINR ; E3-2020-19).

574. **Ryzhykau, Yu.L.** SANS Investigation of Membrane Protein Oligomerization: the Case of the TCS Photoreceptor Complex NpSRII/NpHtrII / Yu.L.Ryzhykau, A.V.Vlasov, A.V.Rogachev, T.N.Murugova, A.I.Kuklin [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.218-219. - Bibliogr.:5. – (JINR ; E3-2020-19).

575. **Safarik, I.** Cotton Textile/Iron Oxide Nanozyme Composites with Peroxidase-Like Activity: Preparation and SANS/SAXS Characterization / I.Safarik, O.I.Ivankov, M.V.Avdeev, V.I.Petrenko [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.93-94. - Bibliogr.:4. – (JINR ; E3-2020-19).

576. **Salamatin, D.A.** Dualism of the 4f Electrons and Its Relation to High-Temperature Antiferromagnetism in the Heavy-Fermion Compound YbCoC_2 / D.A.Salamatin, N.Martin, V.A.Sidorov [a.o.] // Physical Review B [Electronic resource]. – 2020. – Vol.101, No.10. – p.100406(R). - Bibliogr.:53. <https://doi.org/10.1103/PhysRevB.101.100406>

577. **Saprykina, I.A.** The Neutron Tomography and Diffraction as a Routine Research Method for the Non-Ferrous Metal Archaeological Objects / I.A.Saprykina, S.E.Kichanov, A.V.Rutkauskas // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.107. - Bibliogr.:5. – (JINR ; E3-2020-19).
578. **Savin, A.** Monitoring Techniques of Yttria Stabilized Zirconia Used as Thermal Barrier Coating / A.Savin, V.Turchenko, M.-L.Craus [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.44-45. - Bibliogr.:4. – (JINR ; E3-2020-19).
579. **Scandale, W.** Channeling Efficiency in a Target-Crystal Assembly / W.Scandale, G.I.Smirnov, A.D.Kovalenko, A.M.Taratin [et al.] // Nuclear Instruments & Methods in Physics Research B [Electronic resource]. – 2020. – Vol.467. – p.118-122. - Bibliogr.:25.
<https://doi.org/10.1016/j.nimb.2020.01.011>
580. **Scandale, W.** The UA9 Setup for the Double-Crystal Experiment in CERN-SPS / W.Scandale, A.D.Kovalenko, A.M.Taratin, G.I.Smirnov [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.975. – p.164175. - Bibliogr.:39.
<https://doi.org/10.1016/j.nima.2020.164175>
581. **Semkin, M.A.** Magnetic Phase Diagram $\text{LiNi}_{0.9}\text{Co}_{0.1}\text{PO}_4$ / M.A.Semkin, N.V.Urusova, A.I.Beskrovnyi, A.N.Pirogov // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.41. - Bibliogr.:3. – (JINR ; E3-2020-19).
582. **Shibaev, A.V.** Disruption of Cationic/Anionic Viscoelastic Surfactant Micellar Networks by Hydrocarbon as a Basis of Enhanced Fracturing Fluids Clean-Up / A.V.Shibaev, A.L.Aleshina, A.I.Kuklin [a.o.] // Nanomaterials [Electronic resource]. – 2020. – Vol.10, No.12. – p.2353. - Bibliogr.:70.
<https://doi.org/10.3390/nano10122353>
583. **Shibaev, A.V.** Structure, Rheological and Responsive Properties of a New Mixed Viscoelastic Surfactant System / A.V.Shibaev, A.S.Ospennikov, A.I.Kuklin [et al.] // Colloids and Surfaces A: Physicochemical and Engineering Aspects [Electronic resource]. – 2020. – Vol.586. – p.124284. - Bibliogr.:52.
<https://doi.org/10.1016/j.colsurfa.2019.124284>
584. **Shibaev, A.V.** pH-Triggered Structural Transformations in the Mixtures of an Ionic Surfactant and a Hydrophilic Polymer / A.V.Shibaev, A.L.Aleshina, A.I.Kuklin [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.222. - Bibliogr.:1. – (JINR ; E3-2020-19).
585. **Sikolenko, V.V.** Neutron Diffraction Studies of Ca/Ti Doped Bi Ferrites: HRFD Results / V.V.Sikolenko, D.V.Karpinsky, I.A.Bobrikov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.139-140. - Bibliogr.:8. – (JINR ; E3-2020-19).

586. **Silva, P.N.** Preliminary Study of Residual Stress Distribution in High Strength Steel Wires at Epsilon Neutron Diffractometer / P.N.Silva, R.V.Erhan, C.Scheefzuk, J.A.C.P.Gomes // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.240-241. - Bibliogr.:3. – (JINR ; E3-2020-19).
587. **Skoi, V.V.** Complex Effect of AgNO₃ and KNO₃ on DPPC Bilayer: SANS and Densitometry Study / V.V.Skoi, D.V.Soloviov, A.V.Rogachev, V.V.Chupin, A.I.Kuklin, V.I.Gordeliy // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.220-221. - Bibliogr.: 5. – (JINR ; E3-2020-19).
588. **Sudarev, V.V.** Stability of Ferritin Protein Complex at Various pH / V.V.Sudarev, A.V.Vlasov, Y.L.Ryzhykau, T.N.Murugova, A.V.Rogachev, A.I.Kuklin [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.223-224. - Bibliogr.:6. – (JINR ; E3-2020-19).
589. **Sun, L.** Influence of Chemical Composition on Spinodal Decomposition of Austenite and Thermo-Elastic Martensitic Transition in Low-Cu Mn-Cu Alloys / L.Sun, A.Kh.Islamov, R.N.Vasin, I.A.Bobrikov, V.Sumnikov, A.M.Balagurov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.37. – (JINR ; E3-2020-19).
590. **Sun, X.** Improved Limits on Fierz Interference Using Asymmetry Measurements from the Ultracold Neutron Asymmetry (UCNA) Experiment / X.Sun, E.I.Sharapov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.3. – p.035503. - Bibliogr.:31. <https://doi.org/10.1103/PhysRevC.101.035503>
591. **Thao, L.T.P.** Complex Behavior of BaYFeO₄ Under Magnetic Fields / L.T.P.Thao, D.P.Kozlenko, A.V.Rutkauskas [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.143. – (JINR ; E3-2020-19).
592. **Tomchuk, A.A.** Structural Study of Aqueous Solutions of C₆₀ Amino Derivatives for Biomedical Applications / A.A.Tomchuk, M.V.Avdeev, O.I.Ivankov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.157. - Bibliogr.:3. – (JINR ; E3-2020-19).
593. **Tomchuk, O.V.** Fractal Aggregation in Silica Sols in Basic Tetraethoxysilane/Ethanol/Water Solutions by Small-Angle Neutron Scattering / O.V.Tomchuk, O.I.Ivankov, V.L.Aksenov, M.V.Avdeev [et al.] // Journal of Molecular Liquids [Electronic resource]. – 2020. – Vol.304. – p.112736. - Bibliogr.:31. <https://doi.org/10.1016/j.molliq.2020.112736>
594. **Tomchuk, O.V.** Modeling Fractal Aggregates of Polydisperse Particles with Tunable Dimension / O.V.Tomchuk, M.V.Avdeev, L.A.Bulavin // Colloids and Surfaces A: Physicochemical and Engineering Aspects [Electronic resource]. – 2020. – Vol.605. – p.125331. - Bibliogr.:60. <https://doi.org/10.1016/j.colsurfa.2020.125331>

595. **Tomchuk, O.V.** On the Impact of Capillary Forces on the Morphology of Thin Films of Single-Walled Carbon Nanotubes by Specular Reflectometry / O.V.Tomchuk, Ye.N.Kosiachkin, D.V.Krasnikov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.155-156. - Bibliogr.:3. – (JINR ; E3-2020-19).
596. **Tsvigun, N.V.** Mesostructure of Calcium Carbonate, Obtained in the Process of Biomineralization / N.V.Tsvigun, D.A.Golovkina, Yu.E.Gorshkova [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.144. - Bibliogr.:2. – (JINR ; E3-2020-19).
597. **Turchenko, V.A.** Magnetic and Ferroelectric Properties, Crystal and Magnetic Structures of SrFe_{11,9}In_{0,1}O₁₉ / V.A.Turchenko, M.Balasoiu, J.Waliszewski [a.o.] // Physica Scripta. – 2020. – Vol.95, No.4. – p.044006. - Bibliogr.:39.
<https://doi.org/10.1088/1402-4896/ab60fb>
598. **Ushakova, E.E.** Monitoring of Lithium Plating by Neutron Reflectometry / E.E.Ushakova, M.V.Avdeev, E.N.Kosiachkin, V.I.Petrenko, I.V.Gapon [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.52-53. - Bibliogr.:2. – (JINR ; E3-2020-19).
599. **Vladoiu, R.** Synthesis and Characterization of Complex Nanostructured Thin Films Based on Titanium for Industrial Applications / R.Vladoiu, M.Balasoiu, D.Soloviev, V.Turchenko [a.o.] // Materials [Electronic resource]. – 2020. – Vol.13, No.2. – p.399. - Bibliogr.:30.
<https://doi.org/10.3390/ma13020399>
600. **Vlasov, A.V.** The Possibility of Dimerization of ATP Synthase from Spinach Chloroplasts / A.V.Vlasov, Yu.L.Ryzyhkau, A.I.Kuklin, V.I.Gordeliy [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.225-226. - Bibliogr.:11. – (JINR ; E3-2020-19).
601. **Yerdauletov, M.** Effect of Carbon Additives on the Structure of Electrodes for High Energy Density Li-Ion Batteries by Small-Angle Neutron Scattering / M.Yerdauletov, M.Avdeev, O.Ivankov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.145. - Bibliogr.:1. – (JINR ; E3-2020-19).
602. **Zakharchenko, T.K.** Small-Angle Neutron Scattering Studies of Pore Filling in Carbon Electrodes: Mechanisms Limiting Lithium-Air Battery Capacity / T.K.Zakharchenko, M.V.Avdeev, V.I.Petrenko, O.I.Ivankov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.50-51. - Bibliogr.:3. – (JINR ; E3-2020-19).
603. **Zel, I.Yu.** Neutron Tomography of Anisotropic Rocks: Assessment of Structural, Magnetic and Seismic Anisotropy / I.Yu.Zel, T.I.Ivankina, S.E.Kichanov, D.P.Kozlenko [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.97. – (JINR ; E3-2020-19).

604. **Zhaketov, V.D.** Observation of Helimagnetism in Dy and Ho Thin Films via Neutron Reflectivity Measurements / V.D.Zhaketov, Yu.V.Nikitenko, V.L.Aksenov [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.75. - Bibliogr.:2. – (JINR ; E3-2020-19).
605. **Zhaketov, V.D.** Polarized Neutron Reflectometry with Secondary Radiation Registration / V.D.Zhaketov, A.V.Petrenko, Yu.M.Gledenov, Yu.N.Kopatch, N.A.Gundorin, Yu.V.Nikitenko, V.L.Aksenov // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.68. – (JINR ; E3-2020-19).
606. **Zyla, A.** Structural Investigation Interaction Between Amyloid-Beta Peptides and Associated Proteins - the Human Serum Albumin and Human Cystatin C / A.Zyla, P.Jurczak, A.I.Kuklin [a.o.] // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.227-228. - Bibliogr.:4. – (JINR ; E3-2020-19).
607. **Бакиров, Б.А.** Исследования монет средневековой Волжской Болгарии методами нейтронной дифракции и томографии / Б.А.Бакиров, С.Е.Кичанов, А.В.Белушкин, Д.П.Козленко [и др.] // Поверхность. – 2020. – №4. – с.69-75. - Библиогр.:43.
<https://doi.org/10.1134/S1027451020020433>
608. **Бобриков, И.А.** Применение дифракции нейтронов для изучения трансформации структуры и микроструктуры электродных материалов литий-ионных аккумуляторов / И.А.Бобриков, А.М.Балагуров, Н.Ю.Самойлова, С.В.Сумников, О.Ю.Иваньшина, Р.Н.Васин // Новости ОИЯИ = JINR News. – 2020. – №2. – с.20-24. - Библиогр.:6.
http://inis.jinr.ru/sl/NTBLIB/Novosti_2-2020_P20.pdf
609. **Захаров, М.А.** Взаимодействие ультрахолодных нейтронов с осциллирующим в пространстве нейтронным интерференционным фильтром / М.А.Захаров, А.И.Франк, Г.В.Кулин, С.В.Горюнов // Поверхность. – 2020. – №1. – с.9-15. - Библиогр.:28.
http://inis.jinr.ru/sl/NTBLIB/41806946_67736947.pdf
610. **Кичанов, С.Е.** Исследование процессов затвердевания цементных материалов для хранения алюминевых радиоактивных отходов методом нейтронной радиографии / С.Е.Кичанов, М.Кенесарин, М.Балашою, Д.П.Козленко, К.Назаров, Б.Абдурахимов [и др.] // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №1. – с.63-71. - Библиогр.:26.
http://www1.jinr.ru/Pepan_letters/panl_2020_1/09_kichanov.pdf
611. **Кожевников, Сергей Васильевич.** Нейтронооптические методы характеристики планарных магнитных наноструктур : автореф. дис... д-ра физ.-мат. наук: 01.04.01 / Сергей Васильевич Кожевников. – Дубна : ОИЯИ, 2020. – 31 с. : ил. – (ОИЯИ ; 14-2020-4). - Библиогр.: с. 28-31.
http://inis.jinr.ru/sl/NTBLIB/Kozhevnikov_Avtoreferat_31.pdf
612. **Лушников, С.А.** Структура поликристаллических гидридов интерметаллического соединения CeNi_3 при температуре 293 и 5 К / С.А.Лушников, Т.В.Филиппова, И.А.Бобриков // Кристаллография. – 2020. – Т.65, №1. – с.49-53. - Библиогр.:9.
http://inis.jinr.ru/sl/NTBLIB/42339612_92574288.pdf

613. **Петренко, В.И.** Об оптимизации начальной конфигурации границы раздела в экспериментах *in situ* по нейтронной рефлектометрии / В.И.Петренко, Е.Н.Косячкин, Л.А.Булавин, М.В.Авдеев // Поверхность. – 2020. – №3. – с.3-8. - Библиогр.:12.
<https://doi.org/10.1134/S1027451020020329>
614. **Сиколенко, В.В.** Исследования сложных допированных оксидов кобальта нейтронной дифракцией и методами, базирующимися на синхротронном излучении / В.В.Сиколенко, В.В.Ефимов, Е.А.Левтерова, С.И.Тютюнников [и др.] // Поверхность. – 2020. – №1. – с.20-27. - Библиогр.:35.
http://inis.jinr.ru/sl/NTBLIB/41806954_17540414.pdf
615. **Соловьев, Д.** Исследование механизмов взаимодействия коронавирусов с клеточной мембраной / Д.Соловьев, М.Жерненков // Новости ОИЯИ = JINR News. – 2020. – №3. – с.21-24. - Библиогр.:2.
http://inis.jinr.ru/sl/NTBLIB/Novosti_3-2020_P-21.pdf
616. **Франк, А.И.** Взаимодействие волны с ускоряющимся объектом и принцип эквивалентности / А.И.Франк // Успехи физических наук. – 2020. – Т.190, №5. – с.539-541. - Библиогр.:15.
<https://doi.org/10.3367/UFNr.2019.07.038639>
617. **Чулуунбаатар, О.** Новые возможности эффекта Комптона / О.Чулуунбаатар, Ю.В.Попов, И.П.Волобуев // Новости ОИЯИ = JINR News. – 2020. – №3. – с.25-28. - Библиогр.:7.
http://inis.jinr.ru/sl/NTBLIB/Novosti_3-2020_P25.pdf

C 343 Ядерные реакции/Nuclear Reactions

618. **Aaboud, M.** Fluctuations of Anisotropic Flow in Pb+Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS Detector / M.Aaboud, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, V.D.Peshekhonov, E.Plotnikova, I.N.Potrap, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, V.B.Vinogradov, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.1. – p.051. - Bibliogr.:78.

[https://doi.org/10.1007/JHEP01\(2020\)051](https://doi.org/10.1007/JHEP01(2020)051)

619. **Aad, G.** Measurement of Azimuthal Anisotropy of Muons from Charm and Bottom Hadrons in Pb+Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.807. – p.135595. - Bibliogr.:56.

<https://doi.org/10.1016/j.physletb.2020.135595>

620. **Aad, G.** Measurement of the Azimuthal Anisotropy of Charged-Particle Production in Xe+Xe Collisions at $\sqrt{s_{NN}}=5.44$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.2. – p.024906. - Bibliogr.:63.

<https://doi.org/10.1103/PhysRevC.101.024906>

621. **Aad, G.** Transverse Momentum and Process Dependent Azimuthal Anisotropies in $\sqrt{s_{NN}}=8.16$ TeV p+Pb Collisions with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.1. – p.73. - Bibliogr.:64.

<https://doi.org/10.1140/epjc/s10052-020-7624-4>

622. **Aad, G.** Z Boson Production in Pb+Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV Measured by the ATLAS Experiment / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.802. – p.135262. - Bibliogr.:65.
<https://doi.org/10.1016/j.physletb.2020.135262>
623. **Acharya, S.** Y Production in p–Pb Collisions at $\sqrt{s_{NN}} = 8.16$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.806. – p.135486. - Bibliogr.:52.
<https://doi.org/10.1016/j.physletb.2020.135486>
624. **Acharya, S.** Azimuthal Correlations of Prompt D Mesons with Charged Particles in pp and p-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.10. – p.979. - Bibliogr.:73.
<https://doi.org/10.1140/epjc/s10052-020-8118-0>
625. **Acharya, S.** Centrality and Transverse Momentum Dependence of Inclusive J/ ψ Production at Midrapidity in Pb–Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.805. – p.135434. - Bibliogr.:59.
<https://doi.org/10.1016/j.physletb.2020.135434>
626. **Acharya, S.** Coherent Photoproduction of ρ^0 Vector Mesons in Ultra-Peripheral Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.6. – p.035. - Bibliogr.:47.
[https://doi.org/10.1007/JHEP06\(2020\)035](https://doi.org/10.1007/JHEP06(2020)035)
627. **Acharya, S.** Constraining the Chiral Magnetic Effects with Charge-Dependent Azimuthal Correlations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.9. – p.160. - Bibliogr.:64.
[https://doi.org/10.1007/JHEP09\(2020\)160](https://doi.org/10.1007/JHEP09(2020)160)
628. **Acharya, S.** Elliptic and Triangular Flow of (Anti)Deuterons in Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.5. – p.055203. - Bibliogr.:55.
<https://doi.org/10.1103/PhysRevC.102.055203>

629. **Acharya, S.** Evidence of Rescattering Effect in Pb–Pb Collisions at the LHC Through Production of K^* (892)⁰ and $\phi(1020)$ Mesons / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.802. – p.135225. - Bibliogr.:66.
<https://doi.org/10.1016/j.physletb.2020.135225>
630. **Acharya, S.** Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.1. – p.012301. - Bibliogr.:42.
<https://doi.org/10.1103/PhysRevLett.125.012301>
631. **Acharya, S.** Global Baryon Number Conservation Encoded in Net-Proton Fluctuations Measured in Pb–Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.807. – p.135564. - Bibliogr.:47.
<https://doi.org/10.1016/j.physletb.2020.135564>
632. **Acharya, S.** Global Polarization of Λ and $\bar{\Lambda}$ Hyperons in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ and 5.02 TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.4. – p.044611. - Bibliogr.:42.
<https://doi.org/10.1103/PhysRevC.101.044611>
633. **Acharya, S.** Higher Harmonic Non-Linear Flow Modes of Charged Hadrons in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.5. – p.085. - Bibliogr.:100.
[https://doi.org/10.1007/JHEP05\(2020\)085](https://doi.org/10.1007/JHEP05(2020)085)
634. **Acharya, S.** J/ψ Elliptic and Triangular Flow in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.10. – p.141.
[https://doi.org/10.1007/JHEP10\(2020\)141](https://doi.org/10.1007/JHEP10(2020)141)
635. **Acharya, S.** J/ψ Production as a Function of Charged-Particle Multiplicity in p-Pb Collisions at $\sqrt{s_{NN}}=8.16$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.9. – p.162. - Bibliogr.:66.
[https://doi.org/10.1007/JHEP09\(2020\)162](https://doi.org/10.1007/JHEP09(2020)162)

636. **Acharya, S.** Jet-Hadron Correlations Measured Relative to the Second Order Event Plane in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.6. – p.064901. - Bibliogr.:74.
<https://doi.org/10.1103/PhysRevC.101.064901>
637. **Acharya, S.** Longitudinal and Azimuthal Evolution of Two-Particle Transverse Momentum Correlations in Pb–Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.804. – p.135375. - Bibliogr.:38.
<https://doi.org/10.1016/j.physletb.2020.135375>
638. **Acharya, S.** Measurement of Electrons from Heavy-Flavour Hadron Decays as a Function of Multiplicity in p-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.2. – p.077. - Bibliogr.:79.
[https://doi.org/10.1007/JHEP02\(2020\)077](https://doi.org/10.1007/JHEP02(2020)077)
639. **Acharya, S.** Measurement of Electrons from Semileptonic Heavy-Flavour Hadron Decays at Midrapidity in pp and Pb–Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.804. – p.135377. - Bibliogr.:81.
<https://doi.org/10.1016/j.physletb.2020.135377>
640. **Acharya, S.** Measurement of Nuclear Effects on $\psi(2S)$ Production in p-Pb Collisions at $\sqrt{s_{NN}}=8.16$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.7. – p.237. - Bibliogr.:62.
[https://doi.org/10.1007/JHEP07\(2020\)237](https://doi.org/10.1007/JHEP07(2020)237)
641. **Acharya, S.** Measurement of Strange Baryon-Antibaryon Interactions with Femtoscopic Correlations / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.802. – p.135223. - Bibliogr.:75.
<https://doi.org/10.1016/j.physletb.2020.135223>
642. **Acharya, S.** Measurement of the (Anti-) ^3He Elliptic Flow in Pb–Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.805. – p.135414. - Bibliogr.:46.
<https://doi.org/10.1016/j.physletb.2020.135414>
643. **Acharya, S.** Measurement of the Low-Energy Antideuteron Inelastic Cross Section / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.16. – p.162001. - Bibliogr.:62.
<https://doi.org/10.1103/PhysRevLett.125.162001>

644. **Acharya, S.** Multiplicity Dependence of Light (Anti-)Nuclei Production in p–Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.800. – p.135043. - Bibliogr.:55. <https://doi.org/10.1016/j.physletb.2019.135043>

645. **Acharya, S.** Non-Linear Flow Modes of Identified Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.6. – p.147. - Bibliogr.:87. [https://doi.org/10.1007/JHEP06\(2020\)147](https://doi.org/10.1007/JHEP06(2020)147)

646. **Acharya, S.** Probing the Effects of Strong Electromagnetic Fields with Charge-Dependent Directed Flow in Pb-Pb Collisions at the LHC / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.2. – p.022301. - Bibliogr.:61. <https://doi.org/10.1103/PhysRevLett.125.022301>

647. **Acharya, S.** Production of (anti-) ^3He and (anti-) ^3H in p-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.4. – p.044906. - Bibliogr.:46. <https://doi.org/10.1103/PhysRevC.101.044906>

648. **Acharya, S.** Studies of J/ψ Production at Forward Rapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.2. – p.041. - Bibliogr.:73. [https://doi.org/10.1007/JHEP02\(2020\)041](https://doi.org/10.1007/JHEP02(2020)041)

649. **Acharya, S.** Z-Boson Production in p-Pb Collisions at $\sqrt{s_{NN}} = 8.16$ TeV and Pb-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.9. – p.076. - Bibliogr.:56. [https://doi.org/10.1007/JHEP09\(2020\)076](https://doi.org/10.1007/JHEP09(2020)076)

650. **Acharya, U.** Measurement of Jet-Medium Interactions via Direct Photon-Hadron Correlations in Au+Au and d+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV / U.Acharya, S.Afanasiev, A.Isupov, A.Litvinenko, A.Malakhov, V.Peresedov, P.Rukoyatkin, L.Zolin [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.5. – p.054910. - Bibliogr.:36. <https://doi.org/10.1103/PhysRevC.102.054910>

651. **Adam, J.** Beam Energy Dependence of Net- Λ Fluctuations Measured by the STAR Experiment at the BNL Relativistic Heavy Ion Collider / J.Adam, G.Agakishiev, A.Aparin, G.S.Averichev, I.Bunzarov, N.Chankova-Bunzarova, T.G.Dedovich, J.Fedorisin, P.Filip, A.Kechechyan, R.Lednický, Y.Panebratsev, O.V.Rogachevskiy, E.Shahaliev, M.Tokarev, S.Vokal [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.2. – p.024903. - Bibliogr.:46.
<https://doi.org/10.1103/PhysRevC.102.024903>
652. **Adam, J.** Beam-Energy Dependence of Identified Two-Particle Angular Correlations in $\sqrt{s_{NN}}=7.7\text{-}200$ GeV Au+Au Collisions / J.Adam, G.Agakishiev, A.Aparin, G.S.Averichev, N.Chankova-Bunzarova, T.G.Dedovich, J.Fedorisin, P.Filip, A.Kechechyan, R.Lednický, Y.Panebratsev, O.V.Rogachevskiy, E.Shahaliev, M.Tokarev, S.Vokal [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.1. – p.014916. - Bibliogr.:42.
<https://doi.org/10.1103/PhysRevC.101.014916>
653. **Adam, J.** Beam-Energy Dependence of the Directed Flow of Deuterons in Au+Au Collisions / J.Adam, G.Agakishiev, A.Aparin, G.S.Averichev, N.Chankova-Bunzarova, T.G.Dedovich, J.Fedorisin, P.Filip, A.Kechechyan, R.Lednický, Y.Panebratsev, O.V.Rogachevskiy, E.Shahaliev, M.Tokarev, S.Vokal [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.4. – p.044906. - Bibliogr.:10.
<https://doi.org/10.1103/PhysRevC.102.044906>
654. **Adam, J.** Bulk Properties of the System Formed in Au+Au Collisions at $\sqrt{s_{NN}}=14.5$ GeV at the BNL STAR Detector / J.Adam, G.Agakishiev, A.Aparin, G.S.Averichev, N.Chankova-Bunzarova, T.G.Dedovich, J.Fedorisin, P.Filip, A.Kechechyan, R.Lednický, Y.Panebratsev, O.V.Rogachevskiy, E.Shahaliev, M.Tokarev, S.Vokal [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.2. – p.024905. - Bibliogr.:86.
<https://doi.org/10.1103/PhysRevC.101.024905>
655. **Adam, J.** First Measurement of Λ_c Baryon Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV / J.Adam, G.Agakishiev, A.Aparin, G.S.Averichev, N.Chankova-Bunzarova, T.G.Dedovich, J.Fedorisin, P.Filip, A.Kechechyan, R.Lednický, Y.Panebratsev, O.V.Rogachevskiy, E.Shahaliev, M.Tokarev, S.Vokal [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.17. – p.172301. - Bibliogr.:39.
<https://doi.org/10.1103/PhysRevLett.124.172301>
656. **Adam, J.** Investigation of the Linear and Mode-Coupled Flow Harmonics in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV / J.Adam, G.Agakishiev, A.Aparin, G.S.Averichev, N.Chankova-Bunzarova, T.G.Dedovich, J.Fedorisin, P.Filip, A.Kechechyan, R.Lednický, Y.Panebratsev, O.V.Rogachevskiy, E.Shahaliev, M.Tokarev, S.Vokal [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.809. – p.135728. - Bibliogr.:68.
<https://doi.org/10.1016/j.physletb.2020.135728>
657. **Adam, J.** Measurement of Away-Side Broadening with Self-Subtraction of Flow in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV / J.Adam, G.Agakishiev, A.Aparin, G.S.Averichev, N.Chankova-Bunzarova, T.G.Dedovich, J.Fedorisin, P.Filip, A.Kechechyan, R.Lednický, Y.Panebratsev, O.V.Rogachevskiy, E.Shahaliev, M.Tokarev, S.Vokal [a.o.] // Chinese Physics C [Electronic resource]. – 2020. – Vol.44, No.10. – p.104001. - Bibliogr.:63.
<https://doi.org/10.1088/1674-1137/ab97a9>

658. **Adam, J.** Measurement of D^0 -Meson + Hadron Two-Dimensional Angular Correlations in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV / J.Adam, G.Agakishiev, A.Aparin, G.S.Averichev, N.Chankova-Bunzarova, T.G.Dedovich, J.Fedorisin, P.Filip, A.Kechechyan, R.Lednickiy, Y.Panebratsev, O.V.Rogachevskiy, E.Shahaliev, M.Tokarev, S.Vokal [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.1. – p.014905. - Bibliogr.:47.
<https://doi.org/10.1103/PhysRevC.102.014905>
659. **Adam, J.** Measurement of Inclusive Charged-Particle Jet Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV / J.Adam, G.Agakishiev, A.Aparin, G.S.Averichev, N.Chankova-Bunzarova, T.G.Dedovich, J.Fedorisin, P.Filip, A.Kechechyan, R.Lednickiy, Y.Panebratsev, O.V.Rogachevskiy, E.Shahaliev, M.Tokarev, S.Vokal [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.5. – p.054913. - Bibliogr.:111.
<https://doi.org/10.1103/PhysRevC.102.054913>
660. **Adam, J.** Strange Hadron Production in Au+Au Collisions at $\sqrt{s_{NN}}=7.7, 11.5, 19.6, 27,$ and 39 GeV / J.Adam, G.Agakishiev, A.Aparin, G.S.Averichev, I.Bunzarov, N.Chankova-Bunzarova, T.G.Dedovich, J.Fedorisin, P.Filip, A.Kechechyan, R.Lednickiy, Y.Panebratsev, O.V.Rogachevskiy, E.Shahaliev, M.Tokarev, S.Vokal [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.3. – p.034909. - Bibliogr.:46.
<https://doi.org/10.1103/PhysRevC.102.034909>
661. **Adamczewski-Musch, J.** Charged-Pion Production in Au+Au Collisions at $\sqrt{s_{NN}}=2.4$ GeV / J.Adamczewski-Musch, A.Belyaev, S.Chernenko, O.Fateev, A.Ierusalimov, A.Kurilkin, P.Kurilkin, V.Ladygin [a.o.] // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.10. – p.259. - Bibliogr.:48.
<https://doi.org/10.1140/epja/s10050-020-00237-2>
662. **Adamczewski-Musch, J.** Directed, Elliptic, and Higher Order Flow Harmonics of Protons, Deutrons, and Tritons in Au+Au Collisions at $\sqrt{s_{NN}}=2.4$ GeV / J.Adamczewski-Musch, A.Belyaev, S.Chernenko, O.Fateev, A.Ierusalimov, A.Kurilkin, P.Kurilkin, V.Ladygin, Y.Zanevsky [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.26. – p.262301. - Bibliogr.:40.
<https://doi.org/10.1103/PhysRevLett.125.262301>
663. **Adamczewski-Musch, J.** Identical Pion Intensity Interferometry at $\sqrt{s_{NN}}=2.4$ GeV / J.Adamczewski-Musch, A.Belyaev, S.Chernenko, O.Fateev, A.Ierusalimov, A.Kurilkin, P.Kurilkin, V.Ladygin, Y.Zanevsky [a.o.] // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.5. – p.140. - Bibliogr.:60.
<https://doi.org/10.1140/epja/s10050-020-00116-w>
664. **Adamczewski-Musch, J.** Proton-Number Fluctuations in $\sqrt{s_{NN}}=2.4$ GeV Au+Au Collisions Studied with the High-Acceptance DiElectron Spectrometer (HADES) / J.Adamczewski-Musch, A.Belyaev, S.Chernenko, O.Fateev, A.Ierusalimov, A.Kurilkin, P.Kurilkin, V.Ladygin, Y.Zanevsky [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.2. – p.024914. - Bibliogr.:101.
<https://doi.org/10.1103/PhysRevC.102.024914>
665. **Adlarson, P.** Search for the η Mesic ${}^3\text{He}$ in the $\text{pd} \rightarrow \text{d}\pi^0$ Reaction with the WASA-at-COSY Facility / P.Adlarson, D.A.Kirillov, N.M.Piskunov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.4. – p.044322. - Bibliogr.:56.
<https://doi.org/10.1103/PhysRevC.102.044322>

666. **Aduszkiewicz, A.** Two-Particle Correlations in Azimuthal Angle and Pseudorapidity in Central ${}^7\text{Be} + {}^9\text{Be}$ Collisions at the CERN Super Proton Synchrotron / A.Aduszkiewicz, V.Babkin, M.Buryakov, A.Dmitriev, V.Golovatyuk, V.A.Kireyev, V.I.Kolesnikov, A.Krasnoperov, V.V.Lyubushkin, A.I.Malakhov, V.Matveev, G.L.Melkumov, B.A.Popov, M.Rumyantsev, V.Tereshchenko [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.12. – p.1151. - Bibliogr.:41.
<https://doi.org/10.1140/epjc/s10052-020-08675-4>
667. **Ahdida, C.** Measurement of the Muon Flux from 400 GeV/c Protons Interacting in a Thick Molybdenum/Tungsten Target / C.Ahdida, N.Azorskiy, S.Dmitrievskiy, T.Enik, A.Kolesnikov, S.Movchan, R.Tsenov [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.3. – p.284. - Bibliogr.:15.
<https://doi.org/10.1140/epjc/s10052-020-7788-y>
668. **Aichelin, J.** Parton-Hadron-Quantum-Molecular Dynamics: A Novel Microscopic n-Body Transport Approach for Heavy-Ion Collisions, Dynamical Cluster Formation, and Hypernuclei Production / J.Aichelin, V.Kireyev, V.Kolesnikov, V.Voronyuk [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.4. – p.044905. - Bibliogr.:114.
<https://doi.org/10.1103/PhysRevC.101.044905>
669. **Azhibekov, A.K.** ${}^{11}\text{Li} + {}^9\text{Be}$ Reaction in the Framework of the Time-Dependent Schrodinger Equation / A.K.Azhibekov, K.A.Kuterbekov, V.V.Samarin // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.3-8. - Bibliogr.:17.
https://doi.org/10.1142/9789811209451_0001
670. **Azhibekov, A.K.** Calculation of Proton Transfer Cross Sections in the ${}^{14}\text{N} + {}^{12}\text{C}$ Reaction at 116 MeV Using the DWBA Method / A.K.Azhibekov, K.A.Kuterbekov, A.M.Kabyshev, A.M.Mukhambetzhann // Eurasian Journal of Physics and Functional Materials [Electronic resource]. – 2020. – Vol.4, No.2. – p.147-153. - Bibliogr.:12.
<https://doi.org/10.29317/ejpfm.2020040205>
671. **Azhibekov, A.K.** Neutron Transfer and Nuclear Breakup in ${}^{208}\text{Pb}({}^{11}\text{Li}, {}^9\text{Li})$ Reaction / A.K.Azhibekov, V.V.Samarin, K.A.Kuterbekov // Eurasian Journal of Physics and Functional Materials [Electronic resource]. – 2020. – Vol.4, No.1. – p.19-28. - Bibliogr.:19.
<https://doi.org/10.29317/ejpfm.2020040103>
672. **Azmi, M.D.** Energy Density at Kinetic Freeze-Out in Pb-Pb Collisions at the LHC Using the Tsallis Distribution / M.D.Azmi, T.Bhattacharyya, J.Cleymans, M.Paradza // Journal of Physics G. – 2020. – Vol.47, No.4. – p.045001. - Bibliogr.:28.
<https://doi.org/10.1088/1361-6471/ab6c33>
673. **Baldina, E.** Lobachevsky Space in Analysis of Relativistic Nuclear Interactions. New Phenomenon - Directed Nuclear Radiation / E.Baldina, A.Baldin // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.4. – p.C04041. - Bibliogr.:2.
<https://doi.org/10.1088/1748-0221/15/04/C04041>

674. **Banerjee, T.** Systematic Evidence for Quasifission in ^9Be , ^{12}C , and ^{16}O -Induced Reactions Forming $^{258,260}\text{No}$ / T.Banerjee, D.J.Hinde, D.Y.Jeung [et al.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.2. – p.024603. - Bibliogr.:45.
[HTTPS://DOI.ORG/10.1103/PHYSREVC.102.024603](https://doi.org/10.1103/PhysRevC.102.024603)

675. **Bashkanov, M.** Signatures of the d^* (2380) Hexaquark in $d(\gamma, p\bar{n})$ / M.Bashkanov, N.Borisov, I.Gorodnov, V.L.Kashevarov, A.Lazarev, A.Neganov, Yu.A.Usov [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.13. – p.132001. - Bibliogr.:40.
<https://doi.org/10.1103/PhysRevLett.124.132001>

676. **Basilev, S.N.** Measurement of Neutron and Proton Analyzing Powers on C, CH, CH₂ and Cu Targets in the Momentum Region 3–4.2 GeV/c / S.N.Basilev, Yu.P.Bushuev, O.P.Gavrishchuk, V.V.Glagolev, D.A.Kirillov, N.V.Kostayeva, A.D.Kovalenko, K.S.Legostaeva, A.N.Livanov, I.A.Philippov, N.M.Piskunov, A.A.Povtoreiko, P.A.Rukoyatkin, R.A.Shindin, A.V.Shipunov, A.V.Shutov, I.M.Sitnik, V.M.Slepnev, I.V.Slepnev, A.V.Terletskiy [a.o.] // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.1. – p.26. - Bibliogr.:59.
<https://doi.org/10.1140/epja/s10050-020-00032-z>

677. **Baznat, M.** Monte-Carlo Generator of Heavy Ion Collisions DCM-SMM : [Abstract] / M.Baznat, A.Botvina, G.Musulmanbekov, V.Toneev, V.Zhezher // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №3. – p.265.
http://www1.jinr.ru/Pepan_letters/panl_2020_3/04_Baznat_ann.pdf

678. **Belyaev, A.V.** 12 years of HYDJET++ Generator: History and the Latest Results / A.V.Belyaev, L.V.Bravina, L.V.Malinina [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012117. - Bibliogr.:20.
<https://doi.org/10.1088/1742-6596/1690/1/012117>

679. **Bezbakh, A.A.** Evidence for the First Excited State of ^7H / A.A.Bezbakh, V.Chudoba, S.A.Krupko, S.G.Belogurov, D.Biare, A.S.Fomichev, E.M.Gazeeva, A.V.Gorshkov, L.V.Grigorenko, G.Kaminski, M.Yu.Kozlov, B.Mauey, I.A.Muzalevskii, E.Yu.Nikolskii, Yu.L.Parfenova, W.Piatek, A.M.Quynh, V.N.Schetinin, A.Serikov, S.I.Sidorchuk, P.G.Sharov, R.S.Slepnev, S.V.Stepantsov, A.Swiercz, P.Szymkiewicz, G.M.Ter-Akopian, R.Wolski, B.Zalewski [et al.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.2. – p.022502. - Bibliogr.:22.
<https://doi.org/10.1103/PhysRevLett.124.022502>

680. **Borcea, C.** High Energy Alpha Particle Emission as a Challenging Mechanism for Synthesis of Very Heavy Nuclei / C.Borcea, Yu.E.Penionzhkevich, S.Lukyanov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1643. – p.012072. - Bibliogr.:8.
<https://doi.org/10.1088/1742-6596/1643/1/012072>

681. **Bratkovskaya, E.** Parton Hadron Quantum Molecular Dynamics (PHQMD) - A Novel Microscopic n-Body Transport Approach for Heavy-Ion Dynamics and Hypernuclei Production / E.Bratkovskaya, V.Kireyev, V.Kolesnikov, V.Voroniyuk [et al.] // The XVIII International Conference on Strangeness in Quark Matter (SQM 2019), Bari, Italy, 10-15 June, 2019 / International Conference on Strangeness in Quark Matter (18, 2019; Bari) ; Ed.: D.Elia, G.E.Bruno [et al.]. – Cham : Springer, 2020. – p.197-201. - Bibliogr.:14. – (Springer Proceedings in Physics ; Vol.250).
https://doi.org/10.1007/978-3-030-53448-6_29

682. **Bugaev, K.A.** Chemical Freeze-Out of Light Nuclei in High Energy Nuclear Collisions and Resolution of the Hyper-Triton Chemical Freeze-Out Puzzle / K.A.Bugaev, D.B.Blaschke, E.G.Nikonov [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012123. - Bibliogr.:36.
<https://doi.org/10.1088/1742-6596/1690/1/012123>
683. **Bugaev, K.A.** Second Virial Coefficients of Light Nuclear Clusters and Their Chemical Freeze-Out in Nuclear Collisions / K.A.Bugaev, O.V.Vitiuk, D.B.Blaschke [a.o.] // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.11. – p.293. - Bibliogr.:100.
<https://doi.org/10.1140/epja/s10050-020-00296-5>
684. **Burtebayev, N.** Elastic Scattering of Alpha Particles from ^9Be in the Framework of Optical Model / N.Burtebayev, D.M.Janseitov, D.S.Valiolda, B.Urazbekov [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1555. – p.012032. - Bibliogr.:22.
<https://doi.org/10.1088/1742-6596/1555/1/012032>
685. **Burtebayev, N.** Elastic and Inelastic Scattering of Deuterons from ^{13}C / N.Burtebayev, D.M.Janseitov, D.S.Valiolda, B.Mauey [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1555. – p.012028. - Bibliogr.:20.
<https://doi.org/10.1088/1742-6596/1555/1/012028>
686. **Bystritsky, V.M.** Determination of the Enhancement Factor and the Electron Screening Potential in the $\text{D}(^3\text{He}, \text{p})^4\text{He}$ Reaction Using TiD Targets / V.M.Bystritsky, A.R.Krylov, A.V.Philippov [a.o.] // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.2. – p.60. - Bibliogr.:51.
<https://doi.org/10.1140/epja/s10050-020-00038-7>
687. **Carjan, N.** Acceleration Induced Neutron Emission in Heavy Nuclei / N.Carjan, M.Rizea // Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics = Фундаментальные взаимодействия и нейтроны, структура ядра, ультрахолодные нейтроны, связанные темы : XXVII International Seminar on Interaction of Neutrons with Nuclei (ISINN-27), Dubna, Russia, June 10-14, 2019: Proceedings of the Seminar. – Dubna : JINR, 2020. – p.211-220. - Bibliogr.:17. – (JINR ; E3-2020-10).
<http://inis.jinr.ru/sl/NTBLIB/ISINN-27-P211.pdf>
688. **Chuluunbaatar, O.** Experimental and Theoretical Study of Singly Ionizing 1-MeV p+He Collisions at Differential Energy and Momentum Transfer Values / O.Chuluunbaatar, K.A.Kouzakov, Yu.V.Popov [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1412, No.15. – p.152016. - Bibliogr.:2.
<https://doi.org/10.1088/1742-6596/1412/15/152016>
689. **D'yachenko, A.T.** Emission of High Energy Particles in Heavy Ion Collisions in the Hydrodynamic Approach / A.T.D'yachenko, I.A.Mitropolsky, Yu.G.Sobolev // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.35-40. - Bibliogr.:12.
https://doi.org/10.1142/9789811209451_0005

690. **Dabylova, S.B.** Determination of the Response Function of the NaI Detector for γ -Quanta with an Energy of 4.43 MeV, Formed During Inelastic Scattering of Neutrons with an Energy of 14.1 MeV on Carbon Nuclei / S.B.Dabylova, Yu.N.Kopach, S.K.Sakhiev, D.N.Grozdанov, N.A.Fedorov // Eurasian Journal of Physics and Functional Materials [Electronic resource]. – 2020. – Vol.4, No.4. – p.281-290. - Bibliogr.:10.
<https://doi.org/10.29317/ejpfm.2020040402>
691. **Dabylova, S.B.** Determination of the Target Parameters Using the Monte Carlo Method for an Experiment on Inelastic Neutron Scattering in Different Samples at the "TANGRA" Installation / S.B.Dabylova, Yu.N.Kopach, S.K.Sakhiev, D.N.Grozdанov, N.A.Fedorov // Eurasian Journal of Physics and Functional Materials [Electronic resource]. – 2020. – Vol.4, No.3. – p.226-233. - Bibliogr.:8.
<https://doi.org/10.29317/ejpfm.2020040304>
692. **Devaraja, H.M.** New Studies and a Short Review of Heavy Neutron-Rich Transfer Products / H.M.Devaraja, A.G.Popeko, A.V.Yeremin [a.o.] // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.9. – p.224. - Bibliogr.:91.
<https://doi.org/10.1140/epja/s10050-020-00229-2>
693. **Dickel, T.** Multi-Nucleon Transfer Reactions at Ion Catcher Facilities - a New Way to Produce and Study Heavy Neutron-Ric Nuclei / T.Dickel, A.V.Karpov, V.V.Saiko [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1668. – p.012012. - Bibliogr.:35.
<https://doi.org/10.1088/1742-6596/1668/1/012012>
694. **Dieterle, M.** Helicity-Dependent Cross Sections for the Photoproduction of π^0 Pairs from Nucleons / M.Dieterle, N.Borisov, A.S.Dolzhevik, I.Gorodnov, V.L.Kashevarov, A.Lazarev, A.Neganov, Yu.A.Usov [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.6. – p.062001. - Bibliogr.:47.
<https://doi.org/10.1103/PhysRevLett.125.062001>
695. **Drnoyan, J.** Perspectives of Multistrange Hyperon Study at NICA/MPD from Realistic Monte Carlo Simulation : Abstract / J.Drnoyan, E.A.Leverova, V.A.Vasendina, A.I.Zinchenko, D.A.Zinchenko // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №1. – p.26.
http://www1.jinr.ru/Pepan_letters/panl_2020_1/05_Droyan_ann.pdf
696. **Efremov, A.** The Role of Ion Sources in Synthesis of the Super-Heavy Elements / A.Efremov, S.Bogomolov, V.Mironov // Review of Scientific Instruments [Electronic resource]. – 2020. – Vol.91, No.1. – p.013314. - Bibliogr.:28.
<https://doi.org/10.1063/1.5128172>
697. **Efremov, V.** Modeling of Heat and Hydrodynamic Process in the Big Uranium Target "BURAN" under the Action of High-Energy Ions / V.Efremov, E.Baldina, A.Baldin, V.Bleko [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1686. – p.012072. - Bibliogr.:22.
<https://doi.org/10.1088/1742-6596/1686/1/012072>

698. **Eliseev, S.M.** Comparative Study of Proton and Positive Kaon Interactions with Carbon: Hint of New Physics Like Partial Restoration of Chiral Symmetry in Nuclei / S.M.Eliseev // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012006. - Bibliogr.:22.
<https://doi.org/10.1088/1742-6596/1435/1/012006>
699. **Erdemchimeg, B.** Analysis of Velocity Distributions in Projectile Fragmentation Reactions of ^{18}O Ions on ^9Be and ^{181}Ta Targets at 35 A MeV / B.Erdemchimeg, A.G.Artukh, S.A.Klygin, G.A.Kononenko, Yu.M.Sereda, A.N.Vorontsov, T.I.Mikhailova // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012033. - Bibliogr.:9.
<https://doi.org/10.1088/1742-6596/1690/1/012033>
700. **Erdemchimeg, B.** Total Reaction Cross Sections of Neutron-Rich Light Nuclei Measured by the COMBAS Fragment-Separator / B.Erdemchimeg, A.G.Artukh, S.Davaa, B.M.Hue, T.Issatayev, S.A.Klygin, G.A.Kononenko, G.Khuukhenkhuu, S.M.Lukyanov, T.I.Mikhailova, V.A.Maslov, K.Mendibayev, Yu.M.Sereda, Yu.E.Penionzhkevich, A.N.Vorontsov // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.41-44. - Bibliogr.:4.
https://doi.org/10.1142/9789811209451_0006
701. **Fritzschn, C.** Total and Differential Cross Sections of the $\text{dp} \rightarrow ^3\text{He} \eta$ Reaction at Excess Energies Between 1 and 15 MeV / C.Fritzschn, S.Dymov, V.Komarov, A.Kulikov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.4. – p.044004. - Bibliogr.:38.
<https://doi.org/10.1103/PhysRevC.102.044004>
702. **Ganiev, O.K.** Comparative Analysis of the Coulomb Barrier in Heavy-Ion Collisions by the Double-Folding Method / O.K.Ganiev, A.K.Nasirov // Journal of Physics G. – 2020. – Vol.47, No.4. – p.045115. - Bibliogr.:87.
<https://doi.org/10.1088/1361-6471/ab67ea>
703. **Grigorenko, L.V.** High-Precision Studies of the Soft Dipole Mode in Two-Neutron Halo Nuclei: The ^6He Case / L.V.Grigorenko, N.B.Shulgina, M.V.Zhukov // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.1. – p.014611. - Bibliogr.:47.
<https://doi.org/10.1103/PhysRevC.102.014611>
704. **Grigorenko, L.V.** Three-Body vs. Dineutron Approach to Two-Neutron Radiative Capture in ^6He / L.V.Grigorenko, N.B.Shulgina, M.V.Zhukov // Physics Letters B [Electronic resource]. – 2020. – Vol.807. – p.135557. - Bibliogr.:23.
<https://doi.org/10.1016/j.physletb.2020.135557>
705. **Grinyuk, B.E.** Classical Excluded Volume of Loosely Bound Light (anti) Nuclei and Their Chemical Freeze-Out in Heavy Ion Collisions / B.E.Grinyuk, D.B.Blaschke, E.G.Nikonov [a.o.] // International Journal of Modern Physics E [Electronic resource]. – 2020. – Vol.29, No.11. – p.2040009. - Bibliogr.:41.
<https://doi.org/10.1142/S0218301320400091>
706. **Guerrero, C.** Neutron Capture on the s-Process Branching Point ^{171}Tm via Time-of-Flight and Activation / C.Guerrero, V.Furman, P.Sedyshev [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.14. – p.142701. - Bibliogr.:48.
<https://doi.org/10.1103/PhysRevLett.125.142701>

707. **Gupta, S.** Competing Asymmetric Fusion-Fission and Quasifission in Neutron-Deficient Sub-Lead Nuclei / S.Gupta, A.K.Nasirov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.803. – p.135297. - Bibliogr.:48.
<https://doi.org/10.1016/j.physletb.2020.135297>
708. **Guskov, A.** Physics with Prompt Photons at SPD / A.Guskov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012035. - Bibliogr.:22.
<https://doi.org/10.1088/1742-6596/1435/1/012035>
709. **Issatayev, T.** Break-Up Reactions of ${}^6\text{Li}$, ${}^7\text{Be}$ and ${}^8\text{B}$ / T.Issatayev, S.M.Lukyanov, B.M.Hue, K.Mendibayev, A.G.Artukh, D.Aznabayev, B.Erdemchimeg, S.A.Klygin, G.A.Kononenko, V.A.Maslov, M.A.Naumenko, Yu.E.Penionzhkevich, Yu.M.Sereda, Yu.G.Sobolev, A.N.Vorontsov [a.o.] // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.]: World Scientific, 2020. – p.45-53. - Bibliogr.:12.
https://doi.org/10.1142/9789811209451_0007
710. **Ivanov, Yu.B.** Correlation Between Global Polarization, Angular Momentum, and Flow in Heavy-Ion Collisions / Yu.B.Ivanov, A.A.Soldatov // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.2. – p.024916. - Bibliogr.:41.
<https://doi.org/10.1103/PhysRevC.102.024916>
711. **Ivanov, Yu.B.** Equilibration and Baryon Densities Attainable in Relativistic Heavy-Ion Collisions / Yu.B.Ivanov, A.A.Soldatov // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.2. – p.024915. - Bibliogr.:31.
<https://doi.org/10.1103/PhysRevC.101.024915>
712. **Ivanov, Yu.B.** Global Polarization in Heavy-Ion Collisions Based on the Axial Vortical Effect / Yu.B.Ivanov // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.4. – p.044904. - Bibliogr.:42.
<https://doi.org/10.1103/PhysRevC.102.044904>
713. **Ivanov, Yu.B.** Particle Polarization and Structure of Vortical Field in Relativistic Heavy-Ion Collisions / Yu.B.Ivanov, O.V.Teryaev, A.A.Soldatov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012012. - Bibliogr.:21.
<https://doi.org/10.1088/1742-6596/1435/1/012012>
714. **Janek, M.** Cross Section Investigation in dp Breakup Reaction at the Intermediate Energies / M.Janek, V.P.Ladygin, Yu.V.Gurchin, A.Yu.Isupov, J.-T.Karachuk, A.N.Khrenov, P.K.Kurilkina, A.N.Livanov, O.Mezhenska, S.M.Piyadin, S.G.Reznikov, A.A.Terekhin, I.E.Vnukov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012013. - Bibliogr.:10.
<https://doi.org/10.1088/1742-6596/1435/1/012013>
715. **Jiang, H.** Cross-Section Measurements for ${}^{58,60,61}\text{Ni}(n, \alpha){}^{55,57,58}\text{Fe}$ Reactions in the 4.50-5.50 MeV Neutron Energy Region / H.Jiang, Yu.M.Gledenov, E.Sansarbayar, L.Krupa, I.Chuprakov [a.o.] // Chinese Physics C [Electronic resource]. – 2020. – Vol.44, No.11. – p.114102. - Bibliogr.:30.
<https://doi.org/10.1088/1674-1137/abadf2>

716. **Kalendarov, Sh.A.** Production of Neutron Deficient Isotopes in the Multinucleon Transfer Reaction $^{48}\text{Ca}(E_{\text{lab}}=5.63 \text{ MeV/nucleon}) + ^{248}\text{Cm}$ / Sh.A.Kalendarov, G.G.Adamian, N.V.Antonenko [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.2. – p.024612. - Bibliogr.:51.
<https://doi.org/10.1103/PhysRevC.102.024612>
717. **Kapishin, M.** BM@N First Results / M.Kapishin // The XVIII International Conference on Strangeness in Quark Matter (SQM 2019), Bari, Italy, 10-15 June, 2019 / International Conference on Strangeness in Quark Matter (18, 2019; Bari) ; Ed.: D.Elia, G.E.Bruno [et al.]. – Cham : Springer, 2020. – p.21-27. - Bibliogr.:19. – (Springer Proceedings in Physics ; Vol.250).
https://doi.org/10.1007/978-3-030-53448-6_3
718. **Khushvaktov, J.H.** Study of the Rate of Photonuclear Reactions in ^{165}Ho Nucleus : [Abstract] / J.H.Khushvaktov, V.I.Stegailov, J.Adam, V.V.Kobets, A.A.Solnyshkin, J.Svoboda, Yu.G.Teterev, P.Tichy, V.M.Tsoupko-Sitnikov, S.I.Tyutyunnikov, J.Vrzalova, B.S.Yuldashev, M.Zeman // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №6. – p.779.
http://www1.jinr.ru/Pepan_letters/panl_2020_6/03_Khushvaktov_ann.pdf
719. **Khuukhenkhuu, G.** Statistical Model Analysis of (n,t) Cross Sections for 14-15 MeV Neutrons / G.Khuukhenkhuu, Yu.M.Gledenov, E.Sansarbayar, M.V.Sedyшева [a.o.] // Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics = Фундаментальные взаимодействия и нейтроны, структура ядра, ультрахолодные нейтроны, связанные темы : XXVII International Seminar on Interaction of Neutrons with Nuclei (ISINN-27), Dubna, Russia, June 10-14, 2019: Proceedings of the Seminar. – Dubna : JINR, 2020. – p.97-102. - Bibliogr.:22. – (JINR ; E3-2020-10).
<http://inis.jinr.ru/sl/NTBLIB/isinn-27-P97.pdf>
720. **Kireyeu, V.** Prospects for the Study of the Strangeness Production within the PHQMD Model / V.Kireyeu, V.Kolesnikov, A.Mudrokh, V.Vasendina, A.Zinchenko [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012113. - Bibliogr.:14.
<https://doi.org/10.1088/1742-6596/1690/1/012113>
721. **Knezevic, D.** Study of Gamma Transitions and Level Scheme of ^{94}Nb Using the $^{93}\text{Nb}(n_{\text{th}}, 2\gamma)$ Reaction / D.Knezevic, A.M.Sukhovej, L.V.Mitsyna, D.C.Vu [et al.] // Nuclear Physics A [Electronic resource]. – 2020. – Vol.993. – p.121645. - Bibliogr.:47.
<https://doi.org/10.1016/j.nuclphysa.2019.121645>
722. **Kolesnikov, V.** Perspective Study of Strangeness with the MPD Detector at NICA / V.Kolesnikov, V.Kireyeu, A.Mudrokh, V.Vasendina, A.Zinchenko // International Journal of Modern Physics E [Electronic resource]. – 2020. – Vol.29, No.11. – p.2040008. - Bibliogr.:18.
<https://doi.org/10.1142/S021830132040008X>
723. **Kondratenko, A.M.** Kinematics of Proton and Deuteron Beam Polarization in the Transparent Spin Mode of the NICA Collider / A.M.Kondratenko, A.D.Kovalenko, A.V.Butenko, S.S.Shimanskiy, E.M.Syresin [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012037. - Bibliogr.:5.
<https://doi.org/10.1088/1742-6596/1435/1/012037>

724. **Kozulin, E.M.** Features of the Fission Fragments Formed in the Heavy Ion Induced $^{32}\text{S} + ^{197}\text{Au}$ Reaction Near the Interaction Barrier / E.M.Kozulin, I.M.Harca, I.Itkis, G.Knyazheva, K.Novikov, N.Kozulina, I.V.Kolesov, E.Saveleva, V.V.Kirakosyan [a.o.] // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.1. – p.6. - Bibliogr.:52. <https://doi.org/10.1140/epja/s10050-019-00019-5>
725. **Ladygin, V.P.** Deuteron Analyzing Powers in dp- Elastic Scattering at Large Transverse Momenta / V.P.Ladygin, A.V.Averyanov, E.V.Chernykh, D.Enache, Yu.V.Gurchin, A.Yu.Isupov, M.Janek, J.-T.Karachuk, A.N.Khrenov, D.O.Krivenkov, P.K.Kurilkin, N.B.Ladygina, A.N.Livanov, S.M.Piyadin, S.G.Reznikov, Ya.T.Skhomenko, A.A.Terekhin, A.V.Tishevsky, T.Uesaka, I.S.Volkov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012039. - Bibliogr.:35. <https://doi.org/10.1088/1742-6596/1435/1/012039>
726. **Lashmanov, N.A.** Study of the Trigger on Nucleus-Nucleus Interaction for the BM@N Experiment Using a Geant4 + QGSM Software Package / N.A.Lashmanov, S.A.Sedykh, V.I.Yurevich // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1439. – p.012004. - Bibliogr.:5. <https://doi.org/10.1088/1742-6596/1439/1/012004>
727. **Laveen, P.V.** Fusion Studies in $^{35,37}\text{Cl} + ^{181}\text{Ta}$ Reactions via Evaporation Residue Cross Section Measurements / P.V.Laveen, A.K.Nasirov, P.Jisha, T.Banerjee [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.3. – p.034613. - Bibliogr.:66. <https://doi.org/10.1103/PhysRevC.102.034613>
728. **Lukyanov, S.** Neutron Pick-Up Reactions in $^{18}\text{O}(10\text{ MeV/nucleon}) + \text{Ta}$ / S.Lukyanov, T.Issatayev, B.M.Hue, V.Maslov, K.Mendibayev, S.S.Stukalov, D.Aznabayev, A.Shakhov, K.A.Kuterbekov, A.M.Kabyshev // Eurasian Journal of Physics and Functional Materials [Electronic resource]. – 2020. – Vol.4, No.4. – p.274-280. - Bibliogr.:14. <https://doi.org/10.29317/ejpfm.2020040401>
729. **Lukyanov, S.M.** New Insight into the Cluster Structure of ^9Be by Reactions with Deuteron Beam / S.M.Lukyanov, B.Urazbekov, D.M.Janseitov, A.S.Denikin, T.Issatayev, V.A.Maslov, K.Mendibayev, M.A.Naumenko, I.Sivacek, Yu.E.Penionzhkevich, N.K.Skobelev [a.o.] // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk); Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.]: World Scientific, 2020. – p.74-80. - Bibliogr.:12. https://doi.org/10.1142/9789811209451_0012
730. **Malakhov, A.I.** Mid-Rapidity Dependence of Pion Production in p-p and A-A Collisions / A.I.Malakhov, G.I.Lykasov // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.4. – p.114. - Bibliogr.:30. <https://doi.org/10.1140/epja/s10050-020-00124-w>
731. **Martynova, A.Y.** Search for Spiral Structures in Heavy Ion Physics and Astrometry / A.Y.Martynova, O.V.Teryaev // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012021. - Bibliogr.:12. <https://doi.org/10.1088/1742-6596/1435/1/012021>

732. **Mazzone, A.** Measurement of the $^{154}\text{Gd}(n, \gamma)$ Cross Section and Its Astrophysical Implications / A.Mazzone, V.Furman, Y.Kopatch [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.804. – p.135405. - Bibliogr.:34.
<https://doi.org/10.1016/j.physletb.2020.135405>
733. **Mezhenska, O.** Study of the Polarization Observables in $dp \rightarrow dp$ Reaction at the Deuteron Energy of 800 MeV / O.Mezhenska, A.V.Averyanov, E.V.Chernykh, Yu.V.Gurchin, A.Yu.Isupov, J.-T.Karachuk, A.N.Khrenov, D.O.Krivenkov, P.K.Kurilkin, V.P.Ladygin, N.B.Ladygina, A.N.Livanov, S.M.Piyadin, S.G.Reznikov, Ya.T.Skhomenko, A.A.Terekhin, A.V.Tishevsky [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012042. - Bibliogr.:26.
<https://doi.org/10.1088/1742-6596/1435/1/012042>
734. **Mikhaylov, K.** Non-Identical Charged Kaon Femtoscopy in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV by ALICE / K.Mikhaylov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012099. - Bibliogr.:15.
<https://doi.org/10.1088/1742-6596/1690/1/012099>
735. **Mosat, P.** K Isomerism in ^{255}Rf and Total Kinetic Energy Measurements for Spontaneous Fission of $^{255,256,258}\text{Rf}$ / P.Mosat, Z.Kalaninova [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.3. – p.034310. - Bibliogr.:41.
<https://doi.org/10.1103/PhysRevC.101.034310>
736. **Muller, F.** Measurement of Deuteron Carbon Vector Analyzing Powers in the Kinetic Energy Range 170-380 MeV / F.Muller, S.Dymov, A.Kulikov, V.Shmakova, A.Silenko, Yu.Uzikov [a.o.] // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.8. – p.211. - Bibliogr.:21.
<https://doi.org/10.1140/epja/s10050-020-00215-8>
737. **Mun, M.-H.** Possible Production of Neutron-Rich No Isotopes / M.-H.Mun, K.Kwak, G.G.Adamian, N.V.Antonenko // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.4. – p.044602. - Bibliogr.:52.
<https://doi.org/10.1103/PhysRevC.101.044602>
738. **Muramatsu, N.** Differential Cross Sections, Photon Beam Asymmetries, and Spin Density Matrix Elements of ω Photoproduction off the Proton at $E_\gamma=1.3\text{-}2.4$ GeV / N.Muramatsu, E.A.Strokovsky [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.2. – p.025201. - Bibliogr.:26.
<https://doi.org/10.1103/PhysRevC.102.025201>
739. **Nikolaev, N.N.** New Approach to Search for Parity-Even and Parity-Odd Time-Reversal Violation Beyond the Standard Model in a Storage Ring / N.N.Nikolaev, F.Rathmann, A.J.Silenko, Yu.N.Uzikov // Physics Letters B [Electronic resource]. – 2020. – Vol.811. – p.135983. - Bibliogr.:57.
<https://doi.org/10.1016/j.physletb.2020.135983>
740. **Novikov, K.V.** Investigation of Fusion Probabilities in the Reactions with $^{52,54}\text{Cr}$, ^{64}Ni , and ^{68}Zn Ions Leading to the Formation of $Z=120$ Superheavy Composite Systems / K.V.Novikov, E.M.Kozulin, G.N.Knyazheva, I.M.Itkis, M.G.Itkis, A.A.Bogachev, I.N.Diatlov, M.Cheralu, D.Kumar, N.I.Kozulina, A.N.Pan, I.V.Pchelintsev, I.V.Vorobiev [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.4. – p.044605. - Bibliogr.:46.
<https://doi.org/10.1103/PhysRevC.102.044605>

741. **Oliva, L.** Collectivity and Electromagnetic Fields in Proton-Induced Collisions / L.Oliva, P.Moreau, V.Voronyuk, E.Bratkovskaya // The XVIII International Conference on Strangeness in Quark Matter (SQM 2019), Bari, Italy, 10-15 June, 2019 / International Conference on Strangeness in Quark Matter (18, 2019; Bari) ; Ed.: D.Elia, G.E.Bruno [et al.]. – Cham : Springer, 2020. – p.239-243. - Bibliogr.:9. – (Springer Proceedings in Physics ; Vol.250). https://doi.org/10.1007/978-3-030-53448-6_36
742. **Oliva, L.** Influence of Electromagnetic Fields in Proton-Nucleus Collisions at Relativistic Energy / L.Oliva, P.Moreau, V.Voronyuk, E.Bratkovskaya // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.1. – p.014917. - Bibliogr.:68. <https://doi.org/10.1103/PhysRevC.101.014917>
743. **Oliva, L.** Influence of the Electromagnetic Fields on Hadronic Observables in Proton-Induced Collisions / L.Oliva, P.Moreau, V.Voronyuk, E.Bratkovskaya // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1667. – p.012032. - Bibliogr.:13. <https://doi.org/10.1088/1742-6596/1667/1/012032>
744. **Oprea, C.** Asymmetry and Spatial Symmetry Breaking Effects Modeling in (n,p) Reactions / C.Oprea, A.I.Oprea // Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics = Фундаментальные взаимодействия и нейтроны, структура ядра, ультрахолодные нейтроны, связанные темы : XXVII International Seminar on Interaction of Neutrons with Nuclei (ISINN-27), Dubna, Russia, June 10-14, 2019: Proceedings of the Seminar. – Dubna : JINR, 2020. – p.110-116. - Bibliogr.:12. – (JINR ; E3-2020-10). <http://inis.jinr.ru/sl/NTBLIB/isinn-27-P110.pdf>
745. **Oprea, C.** Fast Neutrons Processes on Molybdenum Isotopes / C.Oprea, A.I.Oprea // Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics = Фундаментальные взаимодействия и нейтроны, структура ядра, ультрахолодные нейтроны, связанные темы : XXVII International Seminar on Interaction of Neutrons with Nuclei (ISINN-27), Dubna, Russia, June 10-14, 2019: Proceedings of the Seminar. – Dubna : JINR, 2020. – p.103-109. - Bibliogr.:18. – (JINR ; E3-2020-10). <http://inis.jinr.ru/sl/NTBLIB/isinn-27-P103.pdf>
746. **Pasca, H.** Examination of Coexistence of Symmetric Mass and Asymmetric Charge Distributions of Fission Fragments / H.Pasca, A.V.Andreev, G.G.Adamian, N.V.Antonenko // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.6. – p.064604. - Bibliogr.:40. <https://doi.org/10.1103/PhysRevC.101.064604>
747. **Penionzhkevich, Yu.E.** Energy Dependence of the Total Cross Section for the Reaction ${}^8\text{He} + {}^{28}\text{Si}$ / Yu.E.Penionzhkevich, Yu.G.Sobolev, V.V.Samarin, M.A.Naumenko, S.S.Stukalov, A.A.Bezbakh, S.A.Krupko, A.Kugler, V.A.Maslov, I.Sivacek // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.94-109. - Bibliogr.:18. https://doi.org/10.1142/9789811209451_0015

748. **Penionzhkevich, Yu.E.** Neutron Transfer in Reaction $^{18}\text{O}+^{181}\text{Ta}$ with Formation of Neutron-Rich Oxygen Isotopes / Yu.E.Penionzhkevich, S.M.Lukyanov, A.K.Azhibekov, M.A.Naumenko, T.Issatayev, I.V.Kolesov, V.A.Maslov, K.Mendibayev, V.A.Zernyshkin [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1555. – p.012031. - Bibliogr.:11.
<https://doi.org/10.1088/1742-6596/1555/1/012031>
749. **Popov, A.B.** Programs for the R-Matrix Description of Neutron Cross-Section Structure / A.B.Popov // Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics = Фундаментальные взаимодействия и нейтроны, структура ядра, ультрахолодные нейтроны, связанные темы : XXVII International Seminar on Interaction of Neutrons with Nuclei (ISINN-27), Dubna, Russia, June 10-14, 2019: Proceedings of the Seminar. – Dubna : JINR, 2020. – p.158-161. - Bibliogr.:11. – (JINR ; E3-2020-10).
<http://inis.jinr.ru/sl/NTBLIB/isinn-27-P158.pdf>
750. **Prajapat, R.** Preequilibrium Strength in Light Heavy-Ion Induced Reactions Up to 7 MeV/Nucleon / R.Prajapat, M.Maiti, D.Kumar, A.Chauhan // Physica Scripta. – 2020. – Vol.95, No.5. – p.055306. - Bibliogr.:55.
<http://dx.doi.org/10.1088/1402-4896/ab784e>
751. **Ruskov, I.N.** Angular Distribution of 1.368 MeV Gamma-Rays from Inelastic Scattering of 14.1 MeV Neutrons on ^{24}Mg / I.N.Ruskov, Yu.N.Kopatch, V.M.Bystritsky, D.N.Grozdanov, N.A.Fedorov, T.Yu.Tretyakova, V.R.Skoy, S.Dabylova, F.A.Aliyev, C.Hramco [a.o.] // Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics = Фундаментальные взаимодействия и нейтроны, структура ядра, ультрахолодные нейтроны, связанные темы : XXVII International Seminar on Interaction of Neutrons with Nuclei (ISINN-27), Dubna, Russia, June 10-14, 2019: Proceedings of the Seminar. – Dubna : JINR, 2020. – p.117-129. - Bibliogr.:20. – (JINR ; E3-2020-10).
<http://inis.jinr.ru/sl/NTBLIB/isinn-27-P117.pdf>
752. **Sahoo, R.N.** Role of Neutron Transfer in Sub-Barrier Fusion / R.N.Sahoo, E.M.Kozulin, G.N.Knyazheva, K.V.Novikov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.2. – p.024615. - Bibliogr.:69.
<https://doi.org/10.1103/PhysRevC.102.024615>
753. **Saiko, V.V.** $^{136}\text{Xe}/^{238}\text{U} + ^{251}\text{Cf}$ Collisions at Near-Barrier Energies as Method for Production of Heavy Nuclides / V.V.Saiko, A.V.Karpov // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.245-249. - Bibliogr.:6.
https://doi.org/10.1142/9789811209451_0035
754. **Samarin, V.V.** Study of Ground States of $^{7,9,11}\text{Li}$ Nuclei and Dynamics of External Neutrons in Reactions $^{7,9,11}\text{Li} + ^{28}\text{Si}$ / V.V.Samarin, M.A.Naumenko // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.110-119. - Bibliogr.:15.
https://doi.org/10.1142/9789811209451_0016

755. **Samarin, V.V.** Study of Nucleon Transfer in Reactions $^3\text{He} + ^{194}\text{Pt}$, ^{45}Sc Within Time-Dependent Approach / V.V.Samarin, Yu.E.Penionzhkevich, M.A.Naumenko, N.K.Skobelev // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.120-129. - Bibliogr.:9.
https://doi.org/10.1142/9789811209451_0017
756. **Shumeiko, M.V.** Study of Neutron-Deficient Nuclei in the $^{239,240}\text{Pu} + ^{48}\text{Ca}$ Reactions / M.V.Shumeiko, V.K.Utyonkov, Yu.Ts.Oganessian, F.Sh.Abdullin, S.N.Dmitriev, M.G.Itkis, A.N.Polyakov, R.N.Sagaidak, I.V.Shirokovsky, Yu.S.Tsyganov, A.A.Voinov, V.G.Subbotin, A.M.Sukhov, A.V.Karpov, A.G.Popeko, A.V.Sabelnikov, A.I.Svirikhin, G.K.Vostokin, N.D.Kovrizhnykh, L.Schlattauer [a.o.] // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.250-255. - Bibliogr.:7.
757. **Shvetsov, V.N.** ISINN-27 Preface / V.N.Shvetsov // Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics = Фундаментальные взаимодействия и нейтроны, структура ядра, ультрахолодные нейтроны, связанные темы : XXVII International Seminar on Interaction of Neutrons with Nuclei (ISINN-27), Dubna, Russia, June 10-14, 2019: Proceedings of the Seminar. – Dubna : JINR, 2020. – p.7-8. – (JINR ; E3-2020-10).
758. **Simbirtseva, N.** Examination of Photon Strength Functions and Nuclear Level Density in ^{196}Pt from the γ -Ray Spectra Measured at the DANCE Facility / N.Simbirtseva, M.Krticka, W.I.Furman [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.2. – p.024302. - Bibliogr.:43.
<https://doi.org/10.1103/PhysRevC.101.024302>
759. **Sinegovsky, S.I.** Prompt Atmospheric Neutrinos in the Quark-Gluon String Model / S.I.Sinegovsky, M.N.Sorokovikov // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.1. – p.34. - Bibliogr.:58.
<https://doi.org/10.1140/epjc/s10052-019-7547-0>
760. **Sirunyan, A.M.** Evidence for Top Quark Production in Nucleus-Nucleus Collisions / A.M.Sirunyan, S.Afanasyev, M.Finger, M.Finger Jr., M.Gavrilenko, A.Golunov, I.Golutvin, N.Gorbounov, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, V.Korenkov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Pereygin, D.Seitova, S.Shatov, V.Smirnov, O.Teryaev, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.22. – p.222001. - Bibliogr.:55.
<https://doi.org/10.1103/PhysRevLett.125.222001>
761. **Sirunyan, A.M.** Extraction and Validation of a New Set of CMS PYTHIA8 Tunes from Underlying-Event Measurements / A.M.Sirunyan, S.Afanasyev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Pereygin, S.Shatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.1. – p.4. - Bibliogr.:72.
<https://doi.org/10.1140/epjc/s10052-019-7499-4>

762. **Sirunyan, A.M.** Measurement of Quark- and Gluon-Like Jet Fractions Using Jet Charge in PbPb and pp Collisions at 5.02 TeV / A.M.Sirunyan, S.Afanasyev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, N.Gorbounov, I.Gorbunov, A.Kamenev, V.Karjavine, I.Kashunin, A.Khvedelidze, V.Korenkov, A.Lanev, A.Malakhov, V.A.Matveev, V.V.Mitsyn, P.Moisenz, V.Palichik, V.Perelygin, S.Shmatov, V.Trofimov, Z.Tsamalaidze, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.7. – p.115. - Bibliogr.:57.

[https://doi.org/10.1007/JHEP07\(2020\)115](https://doi.org/10.1007/JHEP07(2020)115)

763. **Sirunyan, A.M.** Mixed Higher-Order Anisotropic Flow and Nonlinear Response Coefficients of Charged Particles in PbPb Collisions at $\sqrt{s_{NN}}=2.76$ and 5.02 TeV / A.M.Sirunyan, S.Afanasyev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.6. – p.534. - Bibliogr.:50.

<https://doi.org/10.1140/epjc/s10052-020-7834-9>

764. **Sirunyan, A.M.** Multiparticle Correlation Studies in pPb Collisions at $\sqrt{s_{NN}}=8.16$ TeV / A.M.Sirunyan, S.Afanasyev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.1. – p.014912. - Bibliogr.:58.

<https://doi.org/10.1103/PhysRevC.101.014912>

765. **Sirunyan, A.M.** Observation of Nuclear Modifications in W^\pm Boson Production in pPb Collisions at $\sqrt{s_{NN}} = 8.16$ TeV / A.M.Sirunyan, S.Afanasyev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.800. – p.135048. - Bibliogr.:56.

<https://doi.org/10.1016/j.physletb.2019.135048>

766. **Sirunyan, A.M.** Studies of Charm Quark Diffusion Inside Jets Using Pb-Pb and pp Collisions at $\sqrt{s_{NN}}=5.02$ TeV / A.M.Sirunyan, M.Finger, M.Finger Jr., M.Gavrilenko, A.Golunov, I.Golutvin, A.Kamenev, V.Karjavine, V.Korenkov, G.Kozlov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, S.Shmatov, S.Shulha, O.Teryaev, Z.Tsamalaidze, N.Voytishin, B.S.Yuldashev, A.Zarubin [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.10. – p.102001. - Bibliogr.:58.

<https://doi.org/10.1103/PhysRevLett.125.102001>

767. **Sirunyan, A.M.** The Production of Isolated Photons in PbPb and pp Collisions at $\sqrt{s_{NN}}=5.02$ TeV / A.M.Sirunyan, S.Afanasyev, A.Baginyan, Y.Ershov, M.Finger, M.Finger Jr., I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, V.Korenkov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, S.Shmatov, S.Shulha, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin, V.Zhiltsov [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.7. – p.116. - Bibliogr.:44.

[https://doi.org/10.1007/JHEP07\(2020\)116](https://doi.org/10.1007/JHEP07(2020)116)

768. **Sitnik, I.M.** Results of Measurements of the Analyzing Powers for Polarized Neutrons on C, CH₂ and Cu Targets for Momenta Between 3 and 4.2 GeV/c / I.M.Sitnik, S.N.Basilev, Yu.P.Bushuev, O.P.Gavrishchuk, V.V.Glagolev, D.A.Kirillov, N.V.Kostayeva, A.D.Kovalenko, K.S.Legostaeva, A.N.Livanov, I.A.Philippov, N.M.Piskunov, A.A.Povtoreiko, P.A.Rukoyatkin, R.A.Shindin, A.V.Shipunov, A.V.Shutov, V.M.Slepnev, I.V.Slepnev, A.V.Terletskiy [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012048. - Bibliogr.:7.
<https://doi.org/10.1088/1742-6596/1435/1/012048>
769. **Skachkova, A.** On Background Study for MMT-Drell-Yan Process at SPD (NICA) Energy / A.Skachkova // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012049. - Bibliogr.:11.
<https://doi.org/10.1088/1742-6596/1435/1/012049>
770. **Skhomenko, Ya.T.** The Results of the Deuteron Beam Polarization Measurement for dp-Elastic Scattering Reaction at 270 MeV Energy / Ya.T.Skhomenko, V.P.Ladygin, Yu.V.Gurchin, A.Yu.Isupov, M.Janek, J.-T.Karachuk, A.N.Khrenov, P.K.Kurilkin, A.N.Livanov, S.M.Piyadin, S.G.Reznikov, A.A.Terekhin, A.V.Tishevsky, A.V.Averyanov, A.S.Belov, E.V.Chernykh, D.Enache, V.V.Fimushkin, D.O.Krivenkov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012050. - Bibliogr.:15.
<https://doi.org/10.1088/1742-6596/1435/1/012050>
771. **Stamatopoulos, A.** Investigation of the ²⁴⁰Pu(n, f) Reaction at the n_TOF/EAR2 Facility in the 9 meV - 6 MeV Range / A.Stamatopoulos, V.Furman, P.Sedyshev [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.1. – p.014616. - Bibliogr.:68.
<https://doi.org/10.1103/PhysRevC.102.014616>
772. **Sukhovoij, A.M.** Experimental Study of the Gamma-Decay of Compound-States of ⁵⁶Mn and ⁹⁴Nb Nuclei in the (n_{th}, 2γ)-Reaction / A.M.Sukhovoij, L.V.Mitsyna, N.Jovancevic [a.o.] // Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics = Фундаментальные взаимодействия и нейтроны, структура ядра, ультрахолодные нейтроны, связанные темы : XXVII International Seminar on Interaction of Neutrons with Nuclei (ISINN-27), Dubna, Russia, June 10-14, 2019: Proceedings of the Seminar. – Dubna : JINR, 2020. – p.80-87. - Bibliogr.:20. – (JINR ; E3-2020-10).
<http://inis.jinr.ru/sl/NTBLIB/isinn-27-P80.pdf>
773. **Sukhovoij, A.M.** Problems and Possibilities of a Study of the Cascade Gamma-Decay of a Nucleus Excited Below the Neutron Binding Energy / A.M.Sukhovoij, L.V.Mitsyna, D.C.Vu [a.o.] // Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics = Фундаментальные взаимодействия и нейтроны, структура ядра, ультрахолодные нейтроны, связанные темы : XXVII International Seminar on Interaction of Neutrons with Nuclei (ISINN-27), Dubna, Russia, June 10-14, 2019: Proceedings of the Seminar. – Dubna : JINR, 2020. – p.70-79. - Bibliogr.:23. – (JINR ; E3-2020-10).
<http://inis.jinr.ru/sl/NTBLIB/isinn-27-P70.pdf>
774. **Szuta, M.** Average High Energy Neutron Flux Distribution in the Quinta Subcritical Assembly Irradiated with Proton Beam of 0.66-GeV Energy Applying the Actinide Spectral Index Method : Presented at III NICA DAYS 2019, International Scientific and Engineering Conference Associated with IV MDD Collaboration Meeting and V Slow Control, Warsaw, 21-25 October 2019 / M.Szuta, V.A.Voronko, V.V.Sotnikov, A.A.Zhadan, E.Strugalska-Gola, M.Bielewicz. – Dubna : JINR, 2020. – 6 p. – (JINR ; E1-2020-33). - Bibliogr.:4.

775. **Ter-Akopian, G.M.** Radioactive Ion Beams for the Fission Study of Heavy Neutron-Rich Nuclei / G.M.Ter-Akopian, A.S.Fomichev, M.S.Golovkov, Yu.Ts.Oganessian, A.Bezbakh, A.V.Gorshkov, S.A.Krupko, S.I.Sidorchuk, E.Yu.Nikolskii, R.Wolski // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.460-465. - Bibliogr.:21.
https://doi.org/10.1142/9789811209451_0066
776. **Teryaev, O.V.** Similarity and Specifics of Polarization in Hadronic and Heavy-Ion Collisions / O.V.Teryaev, V.I.Zakharov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012028. - Bibliogr.:30.
<https://doi.org/10.1088/1742-6596/1435/1/012028>
777. **Titarenko, Yu.E.** ^{208,207,206,nat}Pb(p, x)²⁰⁷Bi and ²⁰⁹Bi (p, x)²⁰⁷Bi Excitation Functions in the Energy Range of 0.04 - 2.6 GeV / Yu.E.Titarenko, S.I.Tyutyunnikov, A.A.Baldin, A.N.Sosnin, M.I.Baznat [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.984. – p.164635. - Bibliogr.:33.
<https://doi.org/10.1016/j.nima.2020.164635>
778. **Tokarev, M.** Validation of z-Scaling for Negative Particle Production in Au + Au Collisions from BES-I at STAR / M.Tokarev, A.Kechechyan, I.Zborovsky // Nuclear Physics A [Electronic resource]. – 2020. – Vol.993. – p.121646. - Bibliogr.:184.
<https://doi.org/10.1016/j.nuclphysa.2019.121646>
779. **Tomida, N.** Search for η' Bound Nuclei in the ¹²C(γ , p) Reaction with Simultaneous Detection of Decay Products / N.Tomida, E.A.Strokovsky [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.20. – p.202501. - Bibliogr.:48.
<https://doi.org/10.1103/PhysRevLett.124.202501>
780. **Vardaci, E.** Using γ Rays to Disentangle Fusion-Fission and Quasifission near the Coulomb Barrier: a Test of Principle in the Fusion-Fission and Quasielastic Channels / E.Vardaci, E.M.Kozulin, I.M.Itkis, G.N.Knyazheva, K.Novikov, N.Kozulina, I.M.Harca, I.V.Kolesov, K.Saveleva, V.V.Kirakosyan [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.6. – p.064612. - Bibliogr.:56.
<https://doi.org/10.1103/PhysRevC.101.064612>
781. **Vitiuk, O.** Vorticity and $\Lambda/\bar{\Lambda}$ Polarization in Heavy-Ion Collisions at FAIR and NICA Energies / O.Vitiuk, A.Sorin, O.Teryaev [a.o.] // The XVIII International Conference on Strangeness in Quark Matter (SQM 2019), Bari, Italy, 10-15 June, 2019 / International Conference on Strangeness in Quark Matter (18, 2019; Bari) ; Ed.: D.Elia, G.E.Bruno [et al.]. – Cham : Springer, 2020. – p.429-434. - Bibliogr.:11. – (Springer Proceedings in Physics ; Vol.250).
https://doi.org/10.1007/978-3-030-53448-6_67

782. **Voinov, A.A.** Experimental Study of the $^{249-251}\text{Cf} + ^{48}\text{Ca}$ Reactions: Toward the Magic Neutron Number $N=184$ / A.A.Voinov, V.K.Utyonkov, Yu.Ts.Oganessian, F.Sh.Abdullin, S.N.Dmitriev, M.G.Itkis, N.D.Kovrizhnykh, A.N.Polyakov, A.G.Popeko, A.V.Sabelnikov, R.N.Sagaidak, I.V.Shirokovsky, M.V.Shumeiko, V.G.Subbotin, A.M.Sukhov, A.I.Svirikhin, Yu.S.Tsyganov, G.K.Vostokin [a.o.] // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.271-277. - Bibliogr.:16.
https://doi.org/10.1142/9789811209451_0038
783. **Wen, P.W.** Multinucleon Transfer Reaction from View Point of Dynamical Dinuclear System Method / P.W.Wen, A.K.Nasirov, C.J.Lin, H.M.Jia // Journal of Physics G. – 2020. – Vol.47, No.7. – p.075106. - Bibliogr.:9.
<http://dx.doi.org/10.1088/1361-6471/ab8dcc>
784. **Wen, P.W.** Near-Barrier Heavy-Ion Fusion: Role of Boundary Conditions in Coupling of Channels / P.W.Wen, O.Chuluunbaatar, A.A.Gusev, R.G.Nazmitdinov, A.K.Nasirov, S.I.Vinitsky [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.1. – p.014618. - Bibliogr.:56.
<https://doi.org/10.1103/PhysRevC.101.014618>
785. **Wolski, R.** A New Explanation of Heavy Ions Sub-Barrier Fusion Enhancement Phenomenon / R.Wolski // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.141-147. - Bibliogr.:11.
https://doi.org/10.1142/9789811209451_0020
786. **Zborovsky, I.** Self-Similarity, Fractality and Entropy Principle in Collisions of Hadrons and Nuclei at Tevatron, RHIC and LHC / I.Zborovsky, M.V.Tokarev. – Dubna : JINR, 2020. – 20 p. – (JINR ; E2-2020-24). - Bibliogr.:83.
[http://www1.jinr.ru/Preprints/2020/024\(E2-2020-24\).pdf](http://www1.jinr.ru/Preprints/2020/024(E2-2020-24).pdf)
787. **Zemlyanaya, E.V.** Analysis of Scattering and Breakup Reactions of $^{12,14}\text{Be}$ within the Microscopic Model of Optical Potential / E.V.Zemlyanaya, V.K.Lukyanov, K.V.Lukyanov [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1555. – p.012017. - Bibliogr.:20.
<https://doi.org/10.1088/1742-6596/1555/1/012017>
788. **Zemlyanaya, E.V.** Microscopic Analysis of the $^{12,14}\text{Be}$ Scattering on ^{12}C and Protons / E.V.Zemlyanaya, V.K.Lukyanov, K.V.Lukyanov [et al.] // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.160-166. - Bibliogr.:13.
https://doi.org/10.1142/9789811209451_0023
789. **Zemlyanoy, S.** Production and Study of Neutron Rich Heavy Nuclei, GALS Setup / S.Zemlyanoy, K.Avvakumov, G.Myshinsky, V.Zhemenik [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1555. – p.012021. - Bibliogr.:20.
<https://doi.org/10.1088/1742-6596/1555/1/012021>

790. **Zemlyanoy, S.G.** Production and Study of Neutron Rich Heavy Nuclei, GALS Setup / S.G.Zemlyanoy, V.I.Zagrebaev, K.A.Avvakumov, N.Yu.Kazarinov [a.o.] // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.492-498. - Bibliogr.:24.
https://doi.org/10.1142/9789811209451_0071
791. **Zeynalov, S.** Low Counting Rate Measurement on Thermal Neutron Induced Fission Using Cross-Correlation Technique / S.Zeynalov, O.Sidorova // International Journal of Modern Physics: Conference Series [Electronic resource]. – 2020. – Vol.50. – p.2060014. - Bibliogr.:7.
<https://doi.org/10.1142/S2010194520600149>
792. **Zhadan, A.A.** Experimental Studies of the Nuclear-Physical Characteristics of the Extended Uranium Target Irradiated by Relativistic Protons, Deuterons and ^{12}C Nuclei / A.A.Zhadan, A.A.Baldin, S.I.Tutyunnikov [a.o.] // Вопросы атомной науки и техники. Сер. Ядерно-физические исследования = Питання атомної науки і техніки = Problems of Atomic Science and Technology. Ser. Nuclear Physics Investigations. – 2020. – №3(127). – p.136-142. - Bibliogr.:29.
https://vant.kipt.kharkov.ua/ARTICLE/VANT_2020_3/article_2020_3_136.pdf
793. **Zinchenko, A.** Vorticity Structure and Polarization of Λ Hyperons in Heavy-Ion Collisions / A.Zinchenko, A.Sorin, O.Teryaev, M.Baznat // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012030. - Bibliogr.:17.
<https://doi.org/10.1088/1742-6596/1435/1/012030>
794. **Авдеев, С.П.** Скорость источника при взаимодействии протонов с энергией 3.6 ГэВ с золотой мишенью / С.П.Авдеев, В.Карч, В.В.Киракосян, П.А.Рукояткин, В.И.Стегайлов, А.С.Ботвина // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №8. – с.1185-1186. - Библиогр.:2.
http://inis.jinr.ru/sl/NTBLIB/43159546_36236398.pdf
795. **Ажибеков, А.К.** Дифференциальные сечения образования изотопов легких ядер в реакции $^{18}\text{O} + ^{181}\text{Ta}$ / А.К.Ажибеков, В.А.Зернышкин, В.А.Маслов, Ю.Э.Пенионжкевич, К.Мендибаев, Т.Исатаев, М.А.Науменко, Н.К.Скобелев, С.Стукалов, Д.Азнабаев // Ядерная физика. – 2020. – Т.83, №2. – с.94-101. - Библиогр.:10.
http://inis.jinr.ru/sl/NTBLIB/42414384_26354195.pdf
796. **Антонов, Н.Н.** Скейлинговое поведение спектров протонов, дейтронов и тритонов, рождаемых с большими $r_{\text{т}}$ в $p+A$ и $^{12}\text{C}+A$ взаимодействиях / Н.Н.Антонов, А.А.Балдин, А.С.Галоян, С.С.Шиманский [и др.] // Журнал экспериментальной и теоретической физики. Письма. – 2020. – Т.111, №5/6. – с.291-294. - Библиогр.:8.
<https://doi.org/10.31857/S0370274X2005001X>
797. **Веденеев, В.Ю.** Сечения образования испарительных остатков реакций полного слияния $^{144}\text{Sm}(^{40}\text{Ar}, xn)^{184-x}\text{Hg}$, $^{148}\text{Sm}(^{36}\text{Ar}, xn)^{184-x}\text{Hg}$, $^{144}\text{Nd}(^{40}\text{Ca}, xn)^{184-x}\text{Hg}$ / В.Ю.Веденеев, А.М.Родин, Л.Крупа, Д.Камас, Е.В.Чернышева, А.В.Гуляев, А.Б.Комаров, А.С.Новоселов, А.Опихал, А.В.Подшибякин, В.С.Саламатин, С.В.Степанов, С.А.Юхимчук [и др.] // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №4. – с.594-598. - Библиогр.:8.
http://inis.jinr.ru/sl/NTBLIB/42578324_50919625.pdf

798. Газеева, Э.М. Эффективный метод измерения функции возбуждения для (α , n) реакций при низких энергиях / Э.М.Газеева, А.А.Безбах, М.С.Головков, Б.Залевский, Ж.К.Курманалиев, А.Сериков [и др.] // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №4. – с.543-547. - Библиогр.:7.
http://inis.jinr.ru/sl/NTBLIB/42578314_87450539.pdf
799. Галоян, А.С. К использованию модели NJING при моделировании ядро-ядерных взаимодействий при энергиях нуклон-нуклонных соударений 5-15 ГэВ / А.С.Галоян, В.В.Ужинский // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №4. – с.570-574. - Библиогр.:10.
<https://doi.org/10.31857/S0367676520040109>
800. Грозданов, Д.Н. Измерение выходов и угловых распределений γ -квантов, образующихся при взаимодействии нейтронов с энергией 14.1 МэВ с ядрами хрома / Д.Н.Грозданов, Н.А.Федоров, Ю.Н.Копач, В.М.Быстрицкий, Т.Ю.Третьякова, В.Р.Ской, С.Дабьлова, Ф.А.Алиев, К.Храмко, Н.А.Гундорин [и др.] // Ядерная физика. – 2020. – Т.83, №3. – с.200-207. - Библиогр.:15.
http://inis.jinr.ru/sl/NTBLIB/42687676_40967385.pdf
801. Каманин, Д.В. Особенности времяпролетной масс-спектрометрии продуктов многотельного распада тяжелых ядер / Д.В.Каманин, Ю.В.Пятков, З.И.Горайнова, В.Е.Жучко, А.А.Александров, И.А.Александрова, Е.А.Кузнецова, А.О.Стрекаловский, О.В.Стрекаловский [и др.] // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №4. – с.604-608. - Библиогр.:13.
http://inis.jinr.ru/sl/NTBLIB/42578326_51968819.pdf
802. Киреев, В. Формирование ядерных кластеров и гиперядер в столкновениях тяжелых ионов в модели RHQMD / В.Киреев, В.Ленивенко, В.Колесников, В.Воронюк [и др.] // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №8. – с.1161-1166. - Библиогр.:15.
http://inis.jinr.ru/sl/NTBLIB/43159542_52754342.pdf
803. Ладыгин, В.П. Изучение плотной барионной материи на HADES / В.П.Ладыгин // Новости ОИЯИ = JINR News. – 2020. – №4. – с.14-16. - Библиогр.:7.
http://inis.jinr.ru/sl/NTBLIB/News_4-2020_P14.pdf
804. Малахов, А.И. Новые результаты и перспективы исследований в эксперименте NA61/SHINE на SPS в ЦЕРН / А.И.Малахов, В.А.Матвеев // Новости ОИЯИ = JINR News. – 2020. – №3. – с.12-17. - Библиогр.:10.
http://inis.jinr.ru/sl/NTBLIB/Novosti_3-2020_P12.pdf
805. Непочатых, С.М. Моделирование событий реакции $pp(^{12}\text{C}, ^{10}\text{B})p$, pn с учетом двухнуклонных короткодействующих корреляций в ядре углерода для изучения отклика установки BM@N на протоны конечного состояния / С.М.Непочатых, М.А.Пацюк // Вестник Международного университета природы, общества и человека "Дубна". – 2020. – №1(46). – с.3-12. - Библиогр.:9.
<https://www.elibrary.ru/item.asp?id=44601942>
806. Пенионжкевич, Ю.Э. Быстрые альфа-частицы в реакции взаимодействия ^{48}Ca и ^{56}Fe с ядрами Ta и U / Ю.Э.Пенионжкевич, В.В.Самарин, С.М.Лукьянов, В.А.Маслов, К.Борча // Новости ОИЯИ = JINR News. – 2020. – №4. – с.17-21. - Библиогр.:7.
http://inis.jinr.ru/sl/NTBLIB/News_4-2020_P17.pdf

807. **Сайко, В.В.** Роль уравнивания заряда в реакциях многонуклонных передач / В.В.Сайко, А.В.Карпов // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №4. – с.559-564. - Библиогр.:21.
http://inis.jinr.ru/sl/NTBLIB/42578317_17691476.pdf
808. **Сайко, Вячеслав Владимирович.** Получение тяжелых нейтроноизбыточных ядер в реакциях многонуклонных передач : автореферат канд. физ.-мат. наук: 01.04.16 / Вячеслав Владимирович Сайко. – Дубна : ОИЯИ, 2020. – 25 с. : цв. ил. – (ОИЯИ ; 7-2020-39). - Библиогр.: с.21-25.
http://inis.jinr.ru/sl/NTBLIB/Saiko_VV.pdf
809. **Самарин, В.В.** Нестационарное описание реакций со слабосвязанными ядрами ${}^8\text{Li}$, ${}^8\text{B}$ / В.В.Самарин // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №8. – с.1197-1204. - Библиогр.:20.
http://inis.jinr.ru/sl/NTBLIB/43159548_24340951.pdf
810. **Скобелев, Н.К.** Зарядово-обменные реакции на пучках низкоэнергетических частиц / Н.К.Скобелев, Ю.Э.Пенионжквич, В.Бурьян, Я.Мразек // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №4. – с.548-552. - Библиогр.:20.
http://inis.jinr.ru/sl/NTBLIB/42578315_43483254.pdf
811. **Соболев, Ю.Г.** Полные сечения реакций ядер ${}^6,8\text{He}$, ${}^9\text{Li}$ на мишенях ${}^{28}\text{Si}$, ${}^{59}\text{Co}$, ${}^{181}\text{Ta}$ / Ю.Г.Соболев, Ю.Э.Пенионжквич, В.В.Самарин, М.А.Науменко, С.С.Стукалов, И.Сивачек, С.А.Крупко, А.Куглер, Ю.Лоуко // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №8. – с.1152-1160. - Библиогр.:20.
http://inis.jinr.ru/sl/NTBLIB/43159541_30814645.pdf
812. **Стрекаловский, А.О.** Бинарный развал осколков деления при прохождении углеродной фольги / А.О.Стрекаловский, Д.В.Каманин, Ю.В.Пятков, З.И.Горяйнова, В.Е.Жучко, А.А.Александров, И.А.Александрова, Е.А.Кузнецова, О.В.Стрекаловский [и др.] // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №4. – с.599-603. - Библиогр.:7.
http://inis.jinr.ru/sl/NTBLIB/42578325_83934914.pdf
813. **Узиков, Ю.Н.** Короткодействующие NN-корреляции в реакции ${}^{12}\text{C} + p \rightarrow {}^{10}\text{A} + pp + N$ / Ю.Н.Узиков // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №4. – с.580-585. - Библиогр.:13.
http://inis.jinr.ru/sl/NTBLIB/42578321_31703164.pdf
814. **Федоров, Н.А.** Измерение выходов и угловых распределений γ -квантов, образующихся при взаимодействии нейтронов с энергией 14.1 МэВ с ядрами магния / Н.А.Федоров, Д.Н.Грозданов, Ю.Н.Копач, В.М.Быстрицкий, Т.Ю.Третьякова, И.Н.Русков, В.Р.Ской, С.Дабылова, Ф.А.Алиев, К.Храмко, Н.А.Гундорин [и др.] // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №4. – с.480-486. - Библиогр.:18.
http://inis.jinr.ru/sl/NTBLIB/42578302_21871774.pdf

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815. **Aad, G.** ATLAS Data Quality Operations and Performance for 2015-2018 Data-Taking / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.4. – p.P04003. - Bibliogr.:40.
<https://doi.org/10.1088/1748-0221/15/04/P04003>
816. **Aad, G.** Operation of the ATLAS Trigger System in Run 2 / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.10. – p.P10004. - Bibliogr.:79.
<https://doi.org/10.1088/1748-0221/15/10/P10004>
817. **Aad, G.** Performance of Electron and Photon Triggers in ATLAS During LHC Run 2 / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, S.Turchikhin, P.V.Tsiareshka, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.1. – p.47. - Bibliogr.:53.
<https://doi.org/10.1140/epjc/s10052-019-7500-2>
818. **Aad, G.** Performance of the ATLAS Muon Triggers in Run 2 / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.9. – p.P09015. - Bibliogr.:48.
<https://doi.org/10.1088/1748-0221/15/09/P09015>

819. **Aad, G.** Performance of the Upgraded PreProcessor of the ATLAS Level-1 Calorimeter Trigger / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.11. – p.P11016. <https://doi.org/10.1088/1748-0221/15/11/P11016>
820. **Aalseth, C.E.** Design and Construction of a New Detector to Measure Ultra-Low Radioactive-Isotope Contamination of Argon / C.E.Aalseth, K.Fomenko, O.Gorchakov, D.Korablev, O.Samoylov, A.Sheshukov, O.Smirnov, A.Sotnikov, A.Vishneva [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.2. – p.P02024. - Bibliogr.:20. <https://doi.org/10.1088/1748-0221/15/02/P02024>
821. **Abbas, M.I.** Efficiency of a Cubic NaI(Tl) Detector with Rectangular Cavity Using Standard Radioactive Point Sources Placed at Non-Axial Position / M.I.Abbas, Y.N.Kopatch, I.N.Ruskov, D.N.Grozdakov, N.A.Fedorov, C.Hramco [et al.] // Applied Radiation and Isotopes [Electronic resource]. – 2020. – Vol.163. – p.109139. - Bibliogr.:p.9-10. <https://doi.org/10.1016/j.apradiso.2020.109139>
822. **Abramishvili, R.** COMET Phase-I Technical Design Report / R.Abramishvili, G.Adamov, V.Duginov, P.Evtoukhovitch, K.Gritsay, V.Kalinnikov, E.Kaneva, A.Khvedelidze, G.A.Kozlov, M.Kravchenko, A.Moiseenko, A.Paulau, B.Sabirov, Z.Tsamalaidze, N.Tsverava, E.Velicheva, A.Volkov [a.o.] // Progress of Theoretical and Experimental Physics [Electronic resource]. – 2020. – Vol.2020, No.3. – p.033C01. - Bibliogr.:99. <https://doi.org/10.1093/ptep/ptz125>
823. **Adamczewski-Musch, J.** Efficiency and Temporal Response of p-Terphenyl Based Wavelength Shifting Films on H12700 Multi Anode Photomultipliers / J.Adamczewski-Musch, S.Lebedev, E.Ovcharenko, V.Schetinin [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.952. – p.161867. - Bibliogr.:12. <https://doi.org/10.1016/j.nima.2019.01.093>
824. **Adamczewski-Musch, J.** Final Design of a Monitoring System and Software Correction Cycle for the Mirror Alignment of the CBM RICH Detector / J.Adamczewski-Musch, S.Lebedev, E.Ovcharenko [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.952. – p.161799. - Bibliogr.:8. <https://doi.org/10.1016/j.nima.2019.01.026>
825. **Adamczewski-Musch, J.** Status of the CBM and HADES RICH Projects at FAIR / J.Adamczewski-Musch, P.Akishin, E.Ovcharenko, V.Schetinin [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.952. – p.161970. - Bibliogr.:15. <https://doi.org/10.1016/j.nima.2019.03.025>
826. **Agarwala, J.** MPGD-Based Photon Detectors for the Upgrade of COMPASS RICH-1 and Beyond / J.Agarwala, M.Finger, M.Finger Jr., M.Slunecka [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.9. – p.C09063. <https://doi.org/10.1088/1748-0221/15/09/C09063>

827. **Agarwala, J.** The Hybrid MPGD-Based Photon Detectors of COMPASS RICH-1 / J. Agarwala, M. Finger, M. Finger Jr., M. Slunicka [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol. 952. – p. 161832. - Bibliogr.: 6.
<https://doi.org/10.1016/j.nima.2019.01.058>
828. **Agarwala, J.** The MPGD-Based Photon Detectors for the Upgrade of COMPASS RICH-1 / J. Agarwala, M. Finger, M. Finger Jr., M. Slunicka [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol. 1498. – p. 012006. - Bibliogr.: 36.
<https://doi.org/10.1088/1742-6596/1498/1/012006>
829. **Agostini, M.** Comprehensive Geoneutrino Analysis with Borexino / M. Agostini, A. Formozov, M. Gromov, O. Smirnov, A. Sotnikov, A. Vishneva, O. Zaimidoroga [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol. 101, No. 1. – p. 012009. - Bibliogr.: 136.
<https://doi.org/10.1103/PhysRevD.101.012009>
830. **Agostini, M.** Final Results of GERDA on the Search for Neutronless Double- β Decay / M. Agostini, D. Borowicz, V. Brudanin, M. Fomina, K. Gusev, A. Klimenko, O. Kochetov, A. Lubashevskiy, I. Nemchenok, N. Rumyantseva, E. Shevchik, M. Shirchenko, A. Smolnikov, I. Zhitnikov, D. Zinatulina [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol. 125, No. 25. – p. 252502. - Bibliogr.: 50.
<https://doi.org/10.1103/PhysRevLett.125.252502>
831. **Agostini, M.** Improved Measurement of ^8B Solar Neutrinos with 1.5 kt \cdot y of Borexino Exposure / M. Agostini, A. Formozov, M. Gromov, O. Smirnov, A. Sotnikov, A. Vishneva [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol. 101, No. 6. – p. 062001. - Bibliogr.: 39.
<https://doi.org/10.1103/PhysRevD.101.062001>
832. **Ahdida, C.** The Magnet of the Scattering and Neutrino Detector for the SHiP Experiment at CERN / C. Ahdida, N. Azorskiy, S. Dmitrievskiy, T. Enik, Y. Gornushkin, A. Kolesnikov, S. Movchan, R. Tsenov, P. Zarubin, I. Zarubina [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol. 15, No. 1. – p. P01027. - Bibliogr.: 19.
<https://doi.org/10.1088/1748-0221/15/01/P01027>
833. **Ahmadov, F.** A New Physical Model of Geiger-Mode Avalanche Photodiodes / F. Ahmadov, G. Ahmadov, R. Akbarov, S. Nuriyev, A. Sadigov, Z. Sadygov [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol. 15, No. 1. – p. C01009. - Bibliogr.: 5.
<https://doi.org/10.1088/1748-0221/15/01/C01009>
834. **Akbarov, R.A.** Scintillation Readout with MAPD Array for Gamma Spectrometer / R.A. Akbarov, S.M. Nuruyev, G.S. Ahmadov, S.I. Tyutyunnikov, A.Z. Sadigov, D. Berikov, Yu. Kopatch [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol. 15, No. 1. – p. C01001. - Bibliogr.: 6.
<https://doi.org/10.1088/1748-0221/15/01/C01001>
835. **Akimov, D.Y.** First Ground-Level Laboratory Test of the Two-Phase Xenon Emission Detector RED-100 / D.Y. Akimov, A.V. Galavanov, Y.V. Gusakov [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol. 15, No. 2. – p. P02020. - Bibliogr.: 8.
<https://doi.org/10.1088/1748-0221/15/02/P02020>

836. **Alozy, J.** Registration of the Transition Radiation with GaAs Detector: Data/MC Comparison / J.Alozy, G.Chelkov, D.Rastorguev [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012041. - Bibliogr.:14.
<https://doi.org/10.1088/1742-6596/1690/1/012041>
837. **Amsler, C.** A Cryogenic Tracking Detector for Antihydrogen Detection in the AEGIS Experiment / C.Amsler, V.Matveev [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.960. – p.163637. - Bibliogr.:27.
<https://doi.org/10.1016/j.nima.2020.163637>
838. **Anfimov, N.** Development of the Light Collection Module for the Liquid Argon Time Projection Chamber (LArTPC) / N.Anfimov, I.Butorov, A.Chetverikov, D.Fedoseev, B.Gromov, D.Korablev, K.Kuznetsova, A.Olshevskiy, A.Rybnikov, A.Selyunin, V.Sharov, S.Sokolov, A.Sotnikov [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.7. – p.C07022.
<https://doi.org/10.1088/1748-0221/15/07/C07022>
839. **Anfimov, N.** JINR Stand Measurements for Improvements in the NOvA Detector Simulation Chain / N.Anfimov, A.Antoshkin, A.Aurisano, O.Samoylov, A.Sotnikov // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.6. – p.C06066. - Bibliogr.:2.
<https://doi.org/10.1088/1748-0221/15/06/C06066>
840. **Anitas, E.** Magneto-Optical Transmittance Observed in Magnetorheological Suspensions Films / E.Anitas, I.Bica, M.Balasoiu [a.o.] // TIM 19 Physics Conference, Timisoara, Romania, 29–31 May 2019 [Electronic resource] / Ed.: M.Lungu, A.Popescu, C.Sporea. – Melville; New York : AIP, 2020. – p.030016. - Bibliogr.:15. – (AIP Conference Proceedings ; Vol.2218).
<https://doi.org/10.1063/5.0002485>
841. **Armengaud, E.** The CUPID-Mo Experiment for Neutrinoless Double-Beta Decay: Performance and Prospects / E.Armengaud, V.B.Brudanin, S.Rozov, E.Yakushev [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.1. – p.44. - Bibliogr.:52.
<https://doi.org/10.1140/epjc/s10052-019-7578-6>
842. **Artemenkov, D.A.** Toward Ternary Fission Accompanied by the ^8Be Nucleus / D.A.Artemenkov, V.Bradnova, M.V.Gustova, O.M.Ivanov, R.R.Kattabekov, K.Z.Mamatkulov, V.V.Rusakova, A.V.Sabelnikov, A.A.Zaitsev, P.I.Zarubin, I.G.Zarubina [a.o.] // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10–15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.281–294. - Bibliogr.11.
https://doi.org/10.1142/9789811209451_0039
843. **Artemenkov, D.A.** Unstable States in Dissociation of Relativistic Nuclei / D.A.Artemenkov, V.Bradnova, N.K.Kornegrutsa, A.I.Malakhov, E.Mitsova, V.V.Rusakova, A.A.Zaitsev, P.I.Zarubin, I.G.Zarubina [a.o.] // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.10. – p.250. - Bibliogr.:41.
<https://doi.org/10.1140/epja/s10050-020-00252-3>

844. **Astapov, I.** An Approach for Identification of Ultrahigh Energy Extensive Air Showers with Scintillation Detectors at TAIGA Experiment / I.Astapov, A.Borodin, V.Grebenyuk, A.Grinyuk, A.Pan, Y.Sagan, V.Slunecka, L.Tkachev [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.9. – p.C09037. - Bibliogr.:15.
<https://doi.org/10.1088/1748-0221/15/09/C09037>
845. **Astapov, I.** Optimization of Electromagnetic and Hadronic Extensive Air Shower Identification Using the Muon Detectors of the TAIGA Experiment / I.Astapov, V.Boreyko, A.Borodin, N.Gorbunov, V.Grebenyuk, A.Grinyuk, Y.Sagan, B.Sabirov, V.Slunecka, A.Tkachenko, L.Tkachev [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.952. – p.161730. - Bibliogr.:8.
<https://doi.org/10.1016/j.nima.2018.12.045>
846. **Atanov, N.** A Photomultiplier With an AlGaIn Photocathode and Microchannel Plates for BaF₂ Scintillator Detectors in Particle Physics / N.Atanov, Y.Davydov, V.Glagolev, V.Tereshchenko [a.o.] // IEEE Transactions on Nuclear Science. – 2020. – Vol.67, No.7, Pt.2. – p.1760-64. - Bibliogr.:23.
<https://doi.org/10.1109/TNS.2020.2998433>
847. **Atanov, N.** Construction Status of the Mu2e Crystal Calorimeter / N.Atanov, V.Baranov, J.Budagov, Yu.I.Davydov, V.Glagolev, V.Tereshchenko, Z.Usubov, I.I.Vasilyev [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.9. – p.C09035.
<https://doi.org/10.1088/1748-0221/15/09/C09035>
848. **Atanov, N.** Design and Status of the Mu2e Crystal Calorimeter / N.Atanov, V.Baranov, J.Budagov, Yu.I.Davydov, V.Glagolev, V.Tereshchenko, Z.Usubov, I.I.Vasilyev [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.958. – p.162140. - Bibliogr.:9.
<https://doi.org/10.1016/j.nima.2019.04.094>
849. **Atanov, N.** The Mu2e e.m. Calorimeter: Crystals and SiPMs Production Status / N.Atanov, V.Baranov, J.Budagov, Yu.I.Davydov, V.Glagolev, V.Tereshchenko, Z.Usubov, I.I.Vasilyev [et al.] // IEEE Transactions on Nuclear Science. – 2020. – Vol.67, No.6, Pt.1. – p.978-982. - Bibliogr.:12.
<https://doi.org/10.1109/TNS.2020.2988422>
850. **GRAINS - Neutron Reflectometer with Horizontal Sample Plane / Project leader: M.V.Avdeev ; Main Participants: T.V.Tropin, I.V.Gapon, A.V.Tomchuk, A.P.Artikulny, Ye.N.Kosyachkin // Proposals for Development of a Suite of Instruments for Condensed Matter Research at the IBR-2 Reactor in 2021-2025 / Joint Institute for Nuclear Research. Frank Lab. of Neutron Physics ; Comp.: Yu.E.Gorshkova ; Ed.: D.P.Kozlenko. – Dubna : JINR, 2020. – p.76-82. - Bibliogr.:21. – (JINR ; 2020-26).**
851. **SANSARA - Small-Angle Neutron Scattering Instrument / Project leader: M.V.Avdeev ; Main Participants: T.V.Tropin, I.V.Gapon, A.V.Tomchuk, A.P.Artikulny, Ye.N.Kosyachkin // Proposals for Development of a Suite of Instruments for Condensed Matter Research at the IBR-2 Reactor in 2021-2025 / Joint Institute for Nuclear Research. Frank Lab. of Neutron Physics ; Comp.: Yu.E.Gorshkova ; Ed.: D.P.Kozlenko. – Dubna : JINR, 2020. – p.105-109. - Bibliogr.:4. – (JINR ; 2020-26).**

852. **Averyanov, A.** MPD TPC Status / A.Averyanov, A.Bazhzhin, V.F.Chepurnov, V.V.Chepurnov, G.Cheremukhina, S.Chernenko, O.Fateev, Yu.Kiriushin, A.Korotkova, F.Levchanovskiy, J.Lukstins, S.Movchan, A.Pilyar, S.Razin, A.Ribakov, V.Samsonov, S.Vereschagin, Yu.Zanevsky, S.Zaporozhets, V.Zrudev // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.7. – p.C07017.

<https://doi.org/10.1088/1748-0221/15/07/C07017>

853. **Avrorin, A.D.** A Search for Cascade Events with Baikal Gigaton Volume Detector / A.D.Avrarin, I.A.Belolaptikov, V.B.Brudanin, V.Y.Dik, R.Dvornicky, N.S.Gorshkov, R.A.Ivanov, M.S.Katulina, E.V.Khramov, M.M.Kolbin, K.V.Konischev, A.V.Korobchenko, M.V.Kruglov, D.V.Naumov, V.Nazari, E.N.Pliskovsky, V.D.Rushay, B.A.Shaybonov, F.Simkovic, A.G.Soloviev, M.N.Sorokovikov, E.O.Sushenok [a.o.] // VIII International Pontecorvo Neutrino Physics School, Sinaia, Romania, Sept.1-10, 2019 : Proceedings of Student Poster Session / International Pontecorvo Neutrino Physics School (8; 2019; Sinaia) ; Ed.: F.Simkovic. – Dubna : JINR, 2020. – p.141-147. - Bibliogr.:5. – (JINR ; E1,2,4-2020-16).

854. **Avrorin, A.D.** Multicluster Events in the Baikal-GVD Telescope / A.D.Avrarin, I.A.Belolaptikov, V.B.Brudanin, V.Y.Dik, R.Dvornicky, N.S.Gorshkov, R.A.Ivanov, M.S.Katulina, E.V.Khramov, M.M.Kolbin, K.V.Konischev, A.V.Korobchenko, M.V.Kruglov, D.V.Naumov, V.Nazari, E.N.Pliskovsky, V.D.Rushay, B.A.Shaybonov, F.Simkovic, A.G.Soloviev, M.N.Sorokovikov, E.O.Sushenok [a.o.] // VIII International Pontecorvo Neutrino Physics School, Sinaia, Romania, Sept.1-10, 2019 : Proceedings of Student Poster Session / International Pontecorvo Neutrino Physics School (8; 2019; Sinaia) ; Ed.: F.Simkovic. – Dubna : JINR, 2020. – p.148-153. - Bibliogr.:3. – (JINR ; E1,2,4-2020-16).

855. **Avrorin, A.D.** Optical Noise of Luminescent Water in Lake Baikal Observed with the Baikal-GVD Telescope / A.D.Avrarin, I.A.Belolaptikov, V.B.Brudanin, V.Y.Dik, R.Dvornicky, N.S.Gorshkov, R.A.Ivanov, M.S.Katulina, E.V.Khramov, M.M.Kolbin, K.V.Konischev, A.V.Korobchenko, M.V.Kruglov, D.V.Naumov, V.Nazari, E.N.Pliskovsky, V.D.Rushay, B.A.Shaybonov, F.Simkovic, A.G.Soloviev, M.N.Sorokovikov, E.O.Sushenok [a.o.] // VIII International Pontecorvo Neutrino Physics School, Sinaia, Romania, Sept.1-10, 2019 : Proceedings of Student Poster Session / International Pontecorvo Neutrino Physics School (8; 2019; Sinaia) ; Ed.: F.Simkovic. – Dubna : JINR, 2020. – p.65-70. - Bibliogr.:5. – (JINR ; E1,2,4-2020-16).

856. **Bacak, M.** A Compact Fission Detector for Fission-Tagging Neutron Capture Experiments with Radioactive Fissile Isotopes / M.Bacak, V.Furman, P.Sedyshev [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.969. – p.163981. - Bibliogr.:23.

<https://doi.org/10.1016/j.nima.2020.163981>

857. **Badawi, M.S.** Characterization of the Efficiency of a Cubic NaI Detector with Rectangular Cavity for Axially Positioned Sources / M.S.Badawi, Y.N.Kopatch, I.N.Ruskov, D.N.Grozdanov [et al.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.2. – p.P02013.

<https://doi.org/10.1088/1748-0221/15/02/P02013>

858. HRFD - High-Resolution Fourier Diffractometer / Project leader: A.M.Balagurov, I.A.Bobrikov ; Main Participants: S.V.Sumnikov, V.G.Simkin, R.N.Vasin, T.N.Vershinina // Proposals for Development of a Suite of Instruments for Condensed Matter Research at the IBR-2 Reactor in 2021-2025 / Joint Institute for Nuclear Research. Frank Lab. of Neutron Physics ; Comp.: Yu.E.Gorshkova ; Ed.: D.P.Kozlenko. – Dubna : JINR, 2020. – p.7-14. - Bibliogr.:16. – (JINR ; 2020-26).

859. **Balalykin, N.I.** Very Thin Carbon-Based Films for Transmissive Photocathodes / N.I.Balalykin, J.Huran, M.A.Nozdryn, A.P.Kobzev, G.D.Shirkov [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1492. – p.012034. - Bibliogr.:11. <https://doi.org/10.1088/1742-6596/1492/1/012034>

860. **Baldin, A.A.** Fast Beam–Beam Collisions Monitor for Experiments at NICA / A.A.Baldin, G.A.Feofilov, P.Har'yuzov, F.F.Valiev // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.958. – p.162154. - Bibliogr.:14. <https://doi.org/10.1016/j.nima.2019.04.108>

861. **Baranov, V.** Optical Properties of YAG:Ce and GGG:Ce Scintillation Crystals Irradiated with a High Fluence Proton Beam : [Abstract] / V.Baranov, Yu.I.Davydov, M.Mkrtchian, I.I.Vasilyev // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №6. – p.844. http://www1.jinr.ru/Pepan_letters/panl_2020_6/10_Baranov_ann.pdf

862. **Batyunya, B.** Identical Pion and Kaon Femtoscopy in EPOS 3 with and without the Hadronic Afterburner UrQMD / B.Batyunya, L.Malinina, K.Mikhaylov, E.Rogochaya, G.Romanenko, K.Werner // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012102. - Bibliogr.:33. <https://doi.org/10.1088/1742-6596/1690/1/012102>

863. **Bazanov, A.M.** Laser Ion Source in Injection Facility of NICA Project / A.M.Bazanov, A.V.Butenko, A.I.Govorov, B.V.Golovenskiy, D.E.Donets, V.V.Kobets, A.D.Kovalenko, K.A.Levterov, D.A.Luyosev, A.A.Martynov, V.V.Mialkovsky, V.A.Monchinsky, D.O.Ponkin, K.V.Shevchenko, A.O.Sidorin, I.V.Shirkov [a.o.] // Physica Scripta. – 2020. – Vol.95, No.5. – p.055307. - Bibliogr.:16. <https://doi.org/10.1088/1402-4896/ab7aa8>

864. **Berikov, D.** An Instrument for Measuring T-Odd Asymmetries in the Fission of Heavy Nuclei / D.Berikov, Yu.Kopatch, G.Ahmadov, V.Novitsky, G.Danilyan [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.1. – p.P01014. - Bibliogr.:9. <https://doi.org/10.1088/1748-0221/15/01/P01014>

865. **Bhattacharjee, M.** Calibration of NICA-MPD Electromagnetic Calorimeter Modules with Cosmic Muons / M.Bhattacharjee, I.Tyapkin, B.Dabrowska, D.Egorov, A.Shutov, A.Terletskiy // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012052. - Bibliogr.:5. <https://doi.org/10.1088/1742-6596/1690/1/012052>

866. **Blanchot, G.** The Cesium Source Calibration and Monitoring System of the ATLAS Tile Calorimeter: Design, Construction and Results / G.Blanchot, J.Budagov, V.Tsoupkov-Sitnikov [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.3. – p.P03017. - Bibliogr.:30. <https://doi.org/10.1088/1748-0221/15/03/P03017>

867. REFLEX - Reflectometer with Polarized Neutrons / Project leader: V.I.Bodnarchuk, A.V.Nagornyi ; Main Participants: V.V.Sadilov, S.P.Yaradaykin, A.S.Doroshkevich, A.M.Tkachenko // Proposals for Development of a Suite of Instruments for Condensed Matter Research at the IBR-2 Reactor in 2021-2025 / Joint Institute for Nuclear Research. Frank Lab. of Neutron Physics ; Comp.: Yu.E.Gorshkova ; Ed.: D.P.Kozlenko. – Dubna : JINR, 2020. – p.83-88. - Bibliogr.:13. – (JINR ; 2020-26).

868. **Bodnarchuk, V.I.** The Influence of Delayed Neutrons at the Pulsed Reactor IBR-2 on the Signal/Background Ratio of Low-Resolution Neutron Instruments / V.I.Bodnarchuk, V.V.Sadilov, A.Ioffe // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.73. - Bibliogr.:1. – (JINR ; E3-2020-19).

869. **Bokuchava, G.** Correlation RTOF Diffractometry at Long-Pulse Neutron Source: I. Data Acquisition in List-Mode / G.Bokuchava // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.964. – p.163770. - Bibliogr.:40.
<https://doi.org/10.1016/j.nima.2020.163770>

870. **Bokuchava, G.** Correlation RTOF Diffractometry at Long-Pulse Neutron Source: II. Analysis of Frequency Windows and Diffraction Peak Profiles / G.Bokuchava // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.983. – p.164612. - Bibliogr.:13.
<https://doi.org/10.1016/j.nima.2020.164612>

871. FSD - Fourier Stress Diffractometer / Project leader: G.D.Bokuchava ; Main Participants: I.V.Papushkin, A.A.Kruglov, T.N.Vershinina // Proposals for Development of a Suite of Instruments for Condensed Matter Research at the IBR-2 Reactor in 2021-2025 / Joint Institute for Nuclear Research. Frank Lab. of Neutron Physics ; Comp.: Yu.E.Gorshkova ; Ed.: D.P.Kozlenko. – Dubna : JINR, 2020. – p.15-23. - Bibliogr.:15. – (JINR ; 2020-26).

872. FSS - Fourier Diffractometer / Project leader: G.D.Bokuchava ; Main Participants: A.A.Kruglov, I.V.Papushkin, V.V.Zhuravlev, V.V.Kruglov // Proposals for Development of a Suite of Instruments for Condensed Matter Research at the IBR-2 Reactor in 2021-2025 / Joint Institute for Nuclear Research. Frank Lab. of Neutron Physics ; Comp.: Yu.E.Gorshkova ; Ed.: D.P.Kozlenko. – Dubna : JINR, 2020. – p.24-29. - Bibliogr.:5. – (JINR ; 2020-26).

873. **Bradbury, J.** Lifetime Measurements Using a Plunger Device and the EUCLIDES Si Array at the GALILEO γ -Ray Spectrometer / J.Bradbury, D.Testov, Yu.Sobolev [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.979. – p.164345. - Bibliogr.:23.
<https://doi.org/10.1016/j.nima.2020.164345>

874. **Broulim, J.** A Concept for Spatially and Time Correlated Single Event Effect Detection in Semiconductors Using Timepix Type Pixel Detectors / J.Broulim, P.Broulim, J.Vlasek [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.980. – p.164397. - Bibliogr.:11.
<https://doi.org/10.1016/j.nima.2020.164397>

875. **Broulim, J.** Study of Neutron-Rich Isotopes Near $N=152$ Shell Closure Using Timepix Type Detectors Integrated into the Mass Separator MASHA / J.Broulim, E.V.Chernysheva, S.N.Gulyaev, A.V.Gulyaeva, D.Kamas, A.B.Komarov, L.Krupa, A.S.Novoselov, A.Opichal, A.V.Podshibyakin, A.M.Rodin, S.V.Stepantsov, V.Yu.Vedeneev, S.A.Yukhimchuk [et al.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.2. – p.C02008. - Bibliogr.:12.
<https://doi.org/10.1088/1748-0221/15/02/C02008>
876. **Budagov, J.A.** The Methods of Temperature Resistivity Creation of the Compact Precision Laser Inclinator : [Abstract] / J.A.Budagov, B.Di Girolamo, M.V.Lyablin // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №7. – с.875.
http://www1.jinr.ru/Pepan_letters/panl_2020_7/03_Bugag_ann.pdf
877. **Budnev, N.** TAIGA - an Advanced Hybrid Detector Complex for Astroparticle Physics and High Energy Gamma-Ray Astronomy in the Tunka Valley / N.Budnev, V.Boreyko, A.Borodin, V.Grebenyuk, A.Grinyuk, A.Pan, Y.Sagan, M.Slunicka, A.Tkachenko, L.Tkachev [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.9. – p.C09031. - Bibliogr.:16.
<https://doi.org/10.1088/1748-0221/15/09/C09031>
878. **Caldwell, T.S.** Initial Results from the Majorana Demonstrator / T.S.Caldwell, V.Brudanin, M.Shirchenko, E.Yakushev, I.Zhitnikov [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1342. – p.012023. - Bibliogr.:16.
<https://doi.org/10.1088/1742-6596/1342/1/012023>
879. **Ceccio, G.** Lithium Encapsulation in Etched Nuclear Pores in Polyethylene Terephthalate / G.Ceccio, P.Y.Apel [et al.] // Nuclear Instruments & Methods in Physics Research B [Electronic resource]. – 2020. – Vol.469. – p.19-23. - Bibliogr.:15.
<https://doi.org/10.1016/j.nimb.2020.02.029>
880. **Chakma, R.** Gamma and Conversion Electron Spectroscopy Using GABRIELA / R.Chakma, A.V.Yeremin, O.N.Malyshev, A.G.Popeko, Yu.A.Popov, A.I.Svirikhin, V.I.Chepigin [a.o.] // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.10. – p.245. - Bibliogr.:29.
<https://doi.org/10.1140/epja/s10050-020-00242-5>
881. **Chernov, D.** Development of a Novel Wide-Angle Gamma-Ray Imaging Air Cherenkov Telescope with SiPM-Based Camera for the TAIGA Hybrid Installation / D.Chernov, A.Borodin, V.Grebenyuk, A.Grinyuk, V.Slunicka, L.Tkachev [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.9. – p.C09062.
<https://doi.org/10.1088/1748-0221/15/09/C09062>
882. **Chernyshev, B.** Characteristics of Semiconductor Pion Stop Tagging System / B.Chernyshev, Yu.Gurov, S.Lapushkin, V.Sandukovsky // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012031. - Bibliogr.:3.
<https://doi.org/10.1088/1742-6596/1690/1/012031>

883. **Chernysheva, E.V.** Determination of Separation Efficiency of the Mass-Spectrometer MASHA by Means of Measurement of Absolute Cross-Sections of Evaporation Residues / E.V.Chernysheva, A.M.Rodin, S.N.Dmitriev, A.V.Gulyaev, A.B.Komarov, A.S.Novoselov, Yu.Ts.Oganessian, A.V.Podshibyakin, V.S.Salamatina, S.V.Stepantsov, V.Yu.Vedeneev, S.A.Yukhimchuk [a.o.] // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.386-390. - Bibliogr.:6.
https://doi.org/10.1142/9789811209451_0054
884. **Chudoba, D.** Development of an Inelastic Neutron Scattering Spectrometer in Inverse Geometry at the IBR-2 Reactor / D.Chudoba, E.Goremychkin, A.Belushkin // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.64. – (JINR ; E3-2020-19).
885. New Inverse-Geometry Inelastic Neutron Scattering Spectrometer / Project leader: D.Chudoba ; Main Participants: Ye.A.Goremychkin, A.V.Belushkin, A.A.Kruglov, V.I.Bodnarchuk, A.V.Churakov, A.N.Chernikov, P.Bilsky, V.I.Sukhanov // Proposals for Development of a Suite of Instruments for Condensed Matter Research at the IBR-2 Reactor in 2021-2025 / Joint Institute for Nuclear Research. Frank Lab. of Neutron Physics ; Comp.: Yu.E.Gorshkova ; Ed.: D.P.Kozlenko. – Dubna : JINR, 2020. – p.99-104. – (JINR ; 2020-26).
886. **Dachs, F.** Transition Radiation Measurements with a Si and a GaAs Pixel Sensor on a Timepix3 Chip / F.Dachs, G.Chelkov, P.Smolyanskiy [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.958. – p.162037. - Bibliogr.:13.
<https://doi.org/10.1016/j.nima.2019.03.092>
887. **Danielsson, H.** New Veto Hodoscope ANTI-0 for the NA62 Experiment at CERN / H.Danielsson, O.Gavrishchuk, P.A.Giudici [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.7. – p.C07007. - Bibliogr.:6.
<https://doi.org/10.1088/1748-0221/15/07/C07007>
888. **Durum, A.** Quality Control of MPD Electromagnetic Calorimeter Modules / A.Durum, Yu.Krechetov, A.Yu.Semenov, N.Vlasov [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012062. - Bibliogr.:3.
<https://doi.org/10.1088/1742-6596/1690/1/012062>
889. **Fan, Y.Y.** Radiation Hardness of the Low Gain Avalanche Diodes Developed by NDL and IHEP in China / Y.Y.Fan, N.Atanov, Y.Davydov [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.984. – p.164608. - Bibliogr.:14.
<https://doi.org/10.1016/j.nima.2020.164608>
890. **Galavanov, A.** Large Area BM@N GEM Detectors / A.Galavanov, M.Kapishin, V.Karjavine, S.Khabarov, E.Kulish, V.Lenivenko, A.Makankin, A.Maksymchuk, R.de Oliveira, S.Piyadin, G.Pokatashkin, I.Rufanov, S.Vasiliev // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1498. – p.012043. - Bibliogr.:6.
<https://doi.org/10.1088/1742-6596/1498/1/012043>

891. **Galavanov, A.** Status of the GEM/CSC Tracking System of the BM@N Experiment / A.Galavanov, M.Kapishin, V.Karjavine, S.Khabarov, Y.Kirushin, E.Kulish, N.Kuzmin, V.Lenivenko, A.Makanin, A.Maksymchuk, S.Piyadin, V.Plotnikov, M.Rumyantsev, I.Rufanov, V.Sidorenko, S.Vasiliev, A.Vishnevskiy, A.Zinchenko // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.9. – p.C09038.
<https://doi.org/10.1088/1748-0221/15/09/C09038>
892. **Gorshkov, A.V.** Current Status of New Fragment Separator ACCULINNA-2 and the First Day Experiments / A.V.Gorshkov, S.G.Belogurov, A.A.Bezbakh, D.Biare, W.Beekman, V.Chudoba, A.S.Fomichev, M.S.Golovkov, E.M.Gazeeva, L.V.Grigorenko, G.Kaminski, S.A.Krupko, B.Mauev, I.A.Muzalevsky, E.Yu.Nikolskii, Yu.L.Parfenova, A.Serikov, S.I.Sidorchuk, R.S.Slepnev, P.G.Sharov, G.M.Ter-Akopian, R.Wolski, B.Zalewski // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.395-402. - Bibliogr.:15.
https://doi.org/10.1142/9789811209451_0056
893. **Gostkin, M.** Performance Study of a Compact LumiCal Prototype in an Electron Beam / M.Gostkin // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.6. – p.C06046.
<https://doi.org/10.1088/1748-0221/15/06/C06046>
894. **Guber, F.** New Forward Hadron Calorimeter and Hodoscope for the BM@N Heavy Ions Experiments / F.Guber, D.Finogeev, M.Kapishin [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.5. – p.C05020.
<https://doi.org/10.1088/1748-0221/15/05/C05020>
895. **Haufe, C.R.** Design Improvements to Cables and Connectors in the Majorana Demonstrator / C.R.Haufe, V.Brudanin, M.Shirchenko, S.Vasilyev, E.Yakushev, I.Zhitnikov [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1342. – p.012129. - Bibliogr.:6.
<https://doi.org/10.1088/1742-6596/1342/1/012129>
896. **Hauschild, K.** New Front and Back-End Electronics for the Upgraded GABRIELA Detection System / K.Hauschild, A.V.Yeremin, A.G.Popeko, O.N.Malyshev, V.I.Chepigin, A.I.Svirikhin, A.V.Isaev, E.A.Sokol, M.L.Chelnokov, Yu.A.Popov, D.E.Katrsev, A.N.Kuznetsov, A.A.Kuznetsova, M.S.Tezezbayeva [a.o.] // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.403-409. - Bibliogr.:11.
https://doi.org/10.1142/9789811209451_0057
897. **Hehn, L.** Spectral Analysis for the Majorana Demonstrator Experiment / L.Hehn, V.Brudanin, M.Shirchenko, S.Vasilyev, E.Yakushev, I.Zhitnikov [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1342. – p.012026. - Bibliogr.:16.
<https://doi.org/10.1088/1742-6596/1342/1/012026>

898. **Holik, M.** Miniaturized Read-Out Interface "Spectrig MAPD" Dedicated for Silicon Photomultipliers / M.Holik, G.Ahmadov, R.Akbarov, D.Berikov, S.Nuruyev, Z.Sadygov [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.978. – p.164440. - Bibliogr.:13.
<https://doi.org/10.1016/j.nima.2020.164440>
899. **Huang, Y.** Reconstruction and Simulation of the Performance of the Electromagnetic Calorimeter on MPD / Y.Huang, B.Dabrowska, A.Zinchenko, I.A.Tyapkin, Y.Wang // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.6. – p.C06027.
<https://doi.org/10.1088/1748-0221/15/06/C06027>
900. **Ivanov, A.** Design Features and Data Acquisition System of the TAIGA-Muon Scintillation Array / A.Ivanov, V.Grebenyuk, A.Grinyuk, A.Pan, Y.Sagan, C.Slunicka, L.Tkachev [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.6. – p.C06057.
<https://doi.org/10.1088/1748-0221/15/06/C06057>
901. **Jones, S.B.** Off-Axis Characterisation of the CERN T10 Beam for Low Momentum Proton Measurements with a High Pressure Gas Time Projection Chamber / S.B.Jones, T.S.Nonnenmacher, Y.Shitov [a.o.] // Instruments [Electronic resource]. – 2020. – Vol.4, No.3. – p.21. - Bibliogr.:29.
<https://doi.org/10.3390/instruments4030021>
902. **Kamanin, D.V.** Some Improvements of the Data Processing Algorithms in the Time-of-Flight Mass-Spectrometry of Heavy Ions / D.V.Kamanin, Yu.V.Pyatkov, Z.I.Goryainova, V.E.Zhuchko, A.A.Alexandrov, I.A.Alexandrova, E.A.Kuznetsova, O.V.Strekalovsky, A.O.Strekalovsky [a.o.] // Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics = Фундаментальные взаимодействия и нейтроны, структура ядра, ультрахолодные нейтроны, связанные темы : XXVII International Seminar on Interaction of Neutrons with Nuclei (ISINN-27), Dubna, Russia, June 10-14, 2019: Proceedings of the Seminar. – Dubna : JINR, 2020. – p.138-144. - Bibliogr.:13. – (JINR ; E3-2020-10).
<http://inis.jinr.ru/sl/NTBLIB/isinn-27-P138.pdf>
903. **Kaminski, G.** Status of the New Fragment Separator ACCULINNA-2 and First Experiments / G.Kaminski, B.Zalewski, S.G.Belogurov, A.A.Bezbakh, D.Biare, V.Chudoba, A.S.Fomichev, E.M.Gazeeva, M.S.Golovkov, A.V.Gorshkov, L.V.Grigorenko, D.A.Kostyleva, S.A.Krupko, I.A.Muzalevsky, E.Yu.Nikolskii, Yu.L.Parfenova, P.Plucinski, A.M.Quynh, A.Serikov, S.I.Sidorchuk, R.S.Slepnev, P.G.Sharov, P.Szymkiewicz, A.Swiercz, S.V.Stepantsov, G.M.Ter-Akopian, R.Wolski // Nuclear Instruments & Methods in Physics Research B [Electronic resource]. – 2020. – Vol.463. – p.504-507. - Bibliogr.:22.
<https://doi.org/10.1016/j.nimb.2019.03.042>
904. **Kapishin, M.** Λ Hyperon Reconstruction at the BM@N Experiment and Prospects for Polarization Studies / M.Kapishin, G.Pokatashkin, I.Rufanov, D.Suvarieva, V.Vasendina, A.Zinchenko // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012052. - Bibliogr.:11.
<https://doi.org/10.1088/1742-6596/1435/1/012052>
905. **Kashchuk, A.** Signals in the Well Electron Multiplier with the DLC Anode / A.Kashchuk, N.Kravchuk, N.Kuchinskiy, S.Movchan [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.9. – p.C09018. - Bibliogr.:4.
<https://doi.org/10.1088/1748-0221/15/09/C09018>

906. **Kashchuk, A.** The Well (micro-Well) Electron Multiplier with the DLC Anode - a Key Element of the Robust and Fast 2D-Position Sensitive MPGD / A.Kashchuk, A.Churakov, N.Kravchuk, N.Kuchinskiy, S.Movchan [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.9. – p.C09041. - Bibliogr.:4.
<https://doi.org/10.1088/1748-0221/15/09/C09041>
907. **Khushvaktov, J.H.** Study of the Residual Nuclei Generation in a Massive Lead Target Irradiated with 660 MeV Protons / J.H.Khushvaktov, P.Tichy, J.Adam, A.A.Baldin, M.Baznat, M.Brunciakova, W.I.Furman, S.A.Gustov, D.Kral, A.A.Solnyshkin, V.I.Stegailov, J.Svoboda, V.M.Tsoumpko-Sitnikov, S.I.Tyutyunnikov, R.Vespalec, J.Vrzalova, V.Wagner, I.P.Yudin, B.S.Yuldashev, L.Zavorka, M.Zeman // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.959. – p.163542. - Bibliogr.:23.
<https://doi.org/10.1016/j.nima.2020.163542>
908. **Kokoulina, E.** Soft Photon Study at NICA's Facilities / E.Kokoulina, N.Barlykov, A.Gribovsky, V.Dudin, V.Dunin, V.Nikitin, V.Popov [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012035. - Bibliogr.:28.
<https://doi.org/10.1088/1742-6596/1690/1/012035>
909. **Kolesnikov, V.** Performance of the MPD Detector in the Study of the Strangeness-to-Entropy Ratio in Heavy-Ion Collisions at the NICA Accelerator Complex : [Abstract] / V.Kolesnikov, V.Kireyev, A.Mudrokh, A.Zinchenko, V.Vasendina // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №3. – p.314.
http://wwwI.jinr.ru/Pepan_letters/panl_2020_3/10_kolesnik_ann.pdf
910. NRT - Neutron Radiography and Tomography Station / Project leader: D.P.Kozlenko ; Main Participants: B.N.Savenko, S.E.Kichanov, E.V.Lukin, A.V.Rutkauskas, I.Yu.Zel', G.M.Aidanov, K.Nazarov, M.Kenesarin // Proposals for Development of a Suite of Instruments for Condensed Matter Research at the IBR-2 Reactor in 2021-2025 / Joint Institute for Nuclear Research. Frank Lab. of Neutron Physics ; Comp.: Yu.E.Gorshkova ; Ed.: D.P.Kozlenko. – Dubna : JINR, 2020. – p.93-98. - Bibliogr.:10. – (JINR ; 2020-26).
911. Neutron Radiography and Tomography Station with Cold Neutrons / Project leader: D.P.Kozlenko ; Main Participants: B.N.Savenko, S.E.Kichanov, E.V.Lukin, A.V.Rutkauskas, G.M.Aidanov // Proposals for Development of a Suite of Instruments for Condensed Matter Research at the IBR-2 Reactor in 2021-2025 / Joint Institute for Nuclear Research. Frank Lab. of Neutron Physics ; Comp.: Yu.E.Gorshkova ; Ed.: D.P.Kozlenko. – Dubna : JINR, 2020. – p.110-114. - Bibliogr.:10. – (JINR ; 2020-26).
912. **Kruchonak, U.** Investigation of the Radiation Hardness of GaAs:Cr Semiconductor Detectors Irradiated with Fast Neutrons at the Reactor IBR-2 / U.Kruchonak, S.Abou El-Azm, M.Bulavin, G.Chelkov, M.Gostkin, A.Guskov, A.Sheremyteva, N.Zamiatin, A.Zhemchugov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012042. - Bibliogr.:5.
<https://doi.org/10.1088/1742-6596/1690/1/012042>
913. **Kruchonak, U.** Radiation Hardness of GaAs: Cr and Si Sensors Irradiated by 21 MeV Electron Beam / U.Kruchonak, S.Abou El-Azm, G.Chelkov, M.Demichev, M.Gostkin, A.Guskov, A.Leyva, P.Smolyanskiy, N.Zamyatin, A.Zhemchugov [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.6. – p.C06003.
<https://doi.org/10.1088/1748-0221/15/06/C06003>

914. **Kruchonak, U.** Radiation Hardness of GaAs: Cr and Si Sensors Irradiated by Electron Beam / U.Kruchonak, S.Abou El-Azm, G.Chelkov, M.Demichev, M.Gostkin, A.Guskov, V.Kobets, A.Leyva, A.Nozdryn, S.Porokhovoy, A.Sheremetyeva, P.Smolyanskiy, N.Zamyatin, A.Zhemchugov [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.975. – p.164204. - Bibliogr.:21.
<https://doi.org/10.1016/j.nima.2020.164204>
915. YuMO - Small-Angle Neutron Scattering Instrument / Project leader: A.I.Kuklin ; Main Participants: O.I.Ivankov, D.V.Soloviev, A.V.Rogachev, Yu.S.Kovalev, A.G.Soloviev, A.D.Rogov, A.V.Churakov, A.A.Bogdzal, A.S.Kirilov, T.B.Petukhova, S.M.Murashkevich, S.A.Kutuzov // Proposals for Development of a Suite of Instruments for Condensed Matter Research at the IBR-2 Reactor in 2021-2025 / Joint Institute for Nuclear Research. Frank Lab. of Neutron Physics ; Comp.: Yu.E.Gorshkova ; Ed.: D.P.Kozlenko. – Dubna : JINR, 2020. – p.68-75. - Bibliogr.:45. – (JINR ; 2020-26).
916. **Kulikov, M.V.** NICA Absolute Polarimeter / M.V.Kulikov, V.V.Fimushkin, R.A.Kuzyakin, Yu.V.Prokofichev, A.M.Shumkov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012038. - Bibliogr.:1.
<https://doi.org/10.1088/1742-6596/1435/1/012038>
917. **Kulikov, V.V.** ECAL MPD: Geometry and Simulation / V.V.Kulikov, S.A.Bulychjov, I.A.Tyapkin [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.9. – p.C09017. - Bibliogr.:2.
<https://doi.org/10.1088/1748-0221/15/09/C09017>
918. **Li, Y.** A Shashlyk Electromagnetic Calorimeter System for NICA-MPD / Y.Li, V.Golovatyuk, I.Tyapkin, Y.Krechetov, A.Yu.Semenov, N.Vlasov [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.11. – p.C11007.
<https://doi.org/10.1088/1748-0221/15/11/C11007>
919. **Li, Y.** Beam Test Results of Two Shashlyk ECal Modules for NICA-MPD / Y.Li, V.Golovatyuk, I.Tyapkin, B.Dabrowska, Y.Krechetov [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.958. – p.162833. - Bibliogr.:12.
<https://doi.org/10.1016/j.nima.2019.162833>
920. **Litvak, M.L.** 3-D Imaging of Subsurface Structure in Planetary Missions / M.L.Litvak, V.N.Shvetsov, A.O.Zontikov [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.963. – p.163725. - Bibliogr.:52.
<https://doi.org/10.1016/j.nima.2020.163725>
921. **Lukin, E.V.** High-Pressure Neutron Diffractometer DN-6: Current State / E.V.Lukin, D.P.Kozlenko, S.E.Kichanov, A.V.Rutkauskas, B.N.Savenko // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct. 12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.165. – (JINR ; E3-2020-19).
922. **Marcisovska, M.** TID and SEU Testing of the Novel X-CHIP-03 Monolithic Pixel Detector / M.Marcisovska, D.Dudas, S.V.Mitrofanov [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.1. – p.C01043. - Bibliogr.:5.
<https://doi.org/10.1088/1748-0221/15/01/C01043>

923. **Marcocci, S.** The Monte Carlo Simulation of the Borexino Detector / S.Marcocci, K.Fomenko, A.Formozov, D.Korablev, O.Smirnov, A.Sotnikov, A.Vishneva, O.Zaimidoroga [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1342. – p.012035. - Bibliogr.:24.
<https://doi.org/10.1088/1742-6596/1342/1/012035>
924. **Maslov, V.A.** Charged Particle Trajectories in the MAVR High-Resolution Magnetic Spectrometer / V.A.Maslov, V.A.Zernyshkin, Yu.E.Penionzhkevich, I.V.Kolesov, O.B.Tarasov // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.410-416. - Bibliogr.:17.
https://doi.org/10.1142/9789811209451_0058
925. **Mianowski, S.** SiPM Proton Irradiation for Application in Cosmic Space / S.Mianowski, D.M.Borowicz, A.G.Molokanov, G.V.Mytsin, K.Shipulin [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.3. – p.P03002. - Bibliogr.:4.
<https://doi.org/10.1088/1748-0221/15/03/P03002>
926. **Milkov, V.M.** Ring Detector for Small-Angle Scattering of Thermal Neutrons for Real-Time Diffractometer (RTD) / V.M.Milkov, A.A.Bogdzal, A.P.Buzdavin, S.A.Kutuzov, A.I.Beskrovnyi, E.P.Popov, M.Balasoiu, A.I.Zhuravlev, Ts.Ts.Panteleev // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.72. - Bibliogr.:2. – (JINR ; E3-2020-19).
927. **Mitrofanov, I.G.** Cosmic Gamma-Ray Spectrometer with Tagged Charged Particles of Galactic Cosmic Rays / I.G.Mitrofanov, P.V.Dubasov, A.O.Zontikov [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.953. – p.163148. - Bibliogr.:46.
<https://doi.org/10.1016/j.nima.2019.163148>
928. **Morozov, S.** Methods of Signal Processing and Cosmic Muon Calibration for the BM@N Sampling Lead/Scintillator Hadron Calorimeter / S.Morozov, D.Finogeev, M.Kapishin [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.5. – p.C05050.
<https://doi.org/10.1088/1748-0221/15/05/C05050>
929. **Mudrokh, A.A.** Prospects for the Study of Event-by-Event Fluctuations and Strangeness Production with the MPD Detector at NICA : [Abstract] / A.A.Mudrokh, V.I.Kolesnikov, V.A.Vasendina, V.A.Kireyeu // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №3. – p.349.
https://www1.jinr.ru/Pepan/v-51-3/24_Mudrokh_ann.pdf
930. REMUR - Reflectometer with Polarized Neutrons / Project leader: Yu.V.Nikitenko ; Main Participants: V.D.Zhakvetov, A.V.Petrenko // Proposals for Development of a Suite of Instruments for Condensed Matter Research at the IBR-2 Reactor in 2021-2025 / Joint Institute for Nuclear Research. Frank Lab. of Neutron Physics ; Comp.: Yu.E.Gorshkova ; Ed.: D.P.Kozlenko. – Dubna : JINR, 2020. – p.89-92. - Bibliogr.:16. – (JINR ; 2020-26).

931. SKAT - Texture Diffractometer (Project 1) / Project leader: D.I.Nikolaev ; Main Participants: T.I.Lychagina, V.V.Sikolenko, Z.M.Sekretarev, R.N.Vasin // Proposals for Development of a Suite of Instruments for Condensed Matter Research at the IBR-2 Reactor in 2021-2025 / Joint Institute for Nuclear Research. Frank Lab. of Neutron Physics ; Comp.: Yu.E.Gorshkova ; Ed.: D.P.Kozlenko. – Dubna : JINR, 2020. – p.53-57. - Bibliogr.:9. – (JINR ; 2020-26).
932. **Nishiguchi, H.** Construction on Vacuum-Compatible Straw Tracker for COMET Phase-I / H.Nishiguchi, P.Evtoukhovitch, A.Moiseenko, Z.Tsamalaidze, N.Tsverava, A.Volkov [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.958. – p.162800. - Bibliogr.:9.
<https://doi.org/10.1016/j.nima.2019.162800>
933. **Novoselov, A.S.** Control and Data Acquisition Systems of the MASHA Setup / A.S.Novoselov, A.M.Rodin, E.V.Chernysheva, S.N.Dmitriev, A.V.Gulyaev, A.B.Komarov, Yu.Ts.Oganessian, A.V.Podshibyakin, V.S.Salamatina, S.V.Stepantsov, V.Yu.Vedeneev, S.A.Yukhimchuk [a.o.] // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.427-430. - Bibliogr.:4.
https://doi.org/10.1142/9789811209451_0058
934. **Nurtayeva, U.M.** Trigger System of the NUCLEON Space Experiment / U.M.Nurtayeva, V.M.Grebenyuk, A.Pan, S.Yu.Porokhovoy, A.B.Sadovsky, A.V.Tkachenko, L.G.Tkachev [a.o.] // VIII International Pontecorvo Neutrino Physics School, Sinaia, Romania, Sept.1-10, 2019 : Proceedings of Student Poster Session / International Pontecorvo Neutrino Physics School (8; 2019; Sinaia) ; Ed.: F.Simkovic. – Dubna : JINR, 2020. – p.116-121. - Bibliogr.:6. – (JINR ; E1,2,4-2020-16).
935. **Nuruyev, S.** Performance of Silicon Photomultipliers at Low Temperature / S.Nuruyev, G.Ahmadov, R.Akberov, Yu.Kopatch [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.3. – p.C03003. - Bibliogr.:5.
<https://doi.org/10.1088/1748-0221/15/03/C03003>
936. **O'Connell, J.H.** SHI Induced Tetragonal Tracks in Natural Zirconia / J.H.O'Connell, M.E.Lee, V.A.Skuratov, R.A.Rymzhanov // Nuclear Instruments & Methods in Physics Research B [Electronic resource]. – 2020. – Vol.473. – p.1-5. - Bibliogr.:29.
<https://doi.org/10.1016/j.nimb.2020.04.002>
937. **Oganessian, Yu.Ts.** Project of Priority Experimental at SHE Factory / Yu.Ts.Oganessian, S.N.Dmitriev, V.K.Utyonkov // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.431-436. - Bibliogr.:10.
https://doi.org/10.1142/9789811209451_0061
938. **Pan, A.** The OLVE-HERO Calorimeter Prototype Beam Test at CERN SPS : Abstract / A.Pan, V.M.Grebenyuk, D.E.Karmanov, A.V.Krasnoperov, D.M.Podorozhny, S.Yu.Porokhovoy, A.D.Rogov, A.B.Sadovsky, I.Satyshev, M.Slunicka, L.G.Tkachev // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №1. – p.6.
http://www1.jinr.ru/Pepan_letters/panl_2020_1/02_Pan_ann.pdf

939. **Rodin, A.M.** Features of the Solid-State ISOL Method for Fusion Evaporation Reactions Induced by Heavy Ions / A.M.Rodin, E.V.Chernysheva, S.N.Dmitriev, A.V.Gulyaev, A.S.Novoselov, Yu.Ts.Oganessian, A.V.Podshibyakin, V.S.Salamatin, S.V.Stepantsov, V.Yu.Vedeneev, S.A.Yukhimchuk [a.o.] // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.437-443. - Bibliogr.:3. https://doi.org/10.1142/9789811209451_0062
940. **Rozhkov, V.** Visualization of Radiotracers for SPECT Imaging Using a Timepix Detector with a Coded Aperture / V.Rozhkov, G.Chelkov, D.Kozhevnikov, A.Leyva, D.Rastorguev, P.Smolyanskiy, A.Zhemchugov [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.6. – p.P06028. - Bibliogr.:5. <https://doi.org/10.1088/1748-0221/15/06/P06028>
941. **Rymzhanov, R.A.** Insights into Different Stages of Formation of Swift Heavy Ion Tracks / R.A.Rymzhanov, V.A.Skuratov, A.E.Volkov [et al.] // Nuclear Instruments & Methods in Physics Research B [Electronic resource]. – 2020. – Vol.473. – p.27-42. - Bibliogr.:75. <https://doi.org/10.1016/j.nimb.2020.04.005>
942. **Sadilov, V.V.** The Influence of the Delayed Neutrons at the IBR-2 Reactor on the Instrumental Resolution Function / V.V.Sadilov, V.I.Bodnarchuk, A.I.Ioffe // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.167. - Bibliogr.:2. – (JINR ; E3-2020-19).
943. **Sadygov, Z.** Silicon Photomultipliers: Status and Prospects : [Abstract] / Z.Sadygov, A.Sadigov, S.Khorev // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №2. – p.132. http://www1.jinr.ru/Pepan_letters/panl_2020_2/08_Sadygov_ann.pdf
944. DN-12 - Neutron Diffractometer for Investigations of Microsamples at High Pressures / Project leader: B.N.Savenko ; Main Participants: D.P.Kozlenko, S.E.Kichanov, E.V.Lukin, A.V.Rutkauskas, I.Yu.Zel', G.M.Aidanov // Proposals for Development of a Suite of Instruments for Condensed Matter Research at the IBR-2 Reactor in 2021-2025 / Joint Institute for Nuclear Research. Frank Lab. of Neutron Physics ; Comp.: Yu.E.Gorshkova ; Ed.: D.P.Kozlenko. – Dubna : JINR, 2020. – p.45-49. – (JINR ; 2020-26).
945. DN-6 - Neutron Diffractometer for Ultrahigh-Pressure Research / Project leader: B.N.Savenko ; Main Participants: D.P.Kozlenko, S.E.Kichanov, E.V.Lukin, A.V.Rutkauskas, I.Yu.Zel', G.M.Aidanov // Proposals for Development of a Suite of Instruments for Condensed Matter Research at the IBR-2 Reactor in 2021-2025 / Joint Institute for Nuclear Research. Frank Lab. of Neutron Physics ; Comp.: Yu.E.Gorshkova ; Ed.: D.P.Kozlenko. – Dubna : JINR, 2020. – p.39-44. - Bibliogr.:13. – (JINR ; 2020-26).
946. EPSILON-MDS - Strain/Stress Diffractometer / Project leader: F.R.Schilling ; Main Participants: V.V.Sikolenko // Proposals for Development of a Suite of Instruments for Condensed Matter Research at the IBR-2 Reactor in 2021-2025 / Joint Institute for Nuclear Research. Frank Lab. of Neutron Physics ; Comp.: Yu.E.Gorshkova ; Ed.: D.P.Kozlenko. – Dubna : JINR, 2020. – p.50-52. - Bibliogr.:1. – (JINR ; 2020-26).

947. **Semenov, A.Yu.** Calibration of MPD Electromagnetic Calorimeter with Muons / A.Yu.Semenov, I.A.Semenova, M.Bhattacharjee, Yu.Krechetov [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.5. – p.C05077. - Bibliogr.:5. <https://doi.org/10.1088/1748-0221/15/05/C05077>
948. **Semenov, A.Yu.** Electromagnetic Calorimeter for MPD Spectrometer at NICA Collider / A.Yu.Semenov, S.Bazylev, E.Belyaeva, M.Bhattacharjee, B.Dabrowska, D.Egorov, V.Golovatyuk, Yu.Krechetov, A.Shutov, V.Shutov, S.Sukhovarov, A.Terletskiy, I.Tyapkin // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.5. – p.C05017. - Bibliogr.:3. <https://doi.org/10.1088/1748-0221/15/05/C05017>
949. **Shi, X.** Radiation Campaign of HPK Prototype LGAD Sensors for the High-Granularity Timing Detector (HGTD) / X.Shi, N.Atanov, Y.Davydov [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.979. – p.164382. - Bibliogr.:16. <https://doi.org/10.1016/j.nima.2020.164382>
950. **Sikolenko, V.V.** Epsilon Diffractometer: Current Status and Perspectives / V.V.Sikolenko, B.I.R.Muller, F.R.Schilling // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.168. – (JINR ; E3-2020-19).
951. **Sirunyan, A.M.** Calibration of the CMS Hadron Calorimeters Using Proton-Proton Collision Data at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.5. – p.P05002. - Bibliogr.:36. <https://doi.org/10.1088/1748-0221/15/05/P05002>
952. **Sirunyan, A.M.** Identification of Heavy, Energetic, Hadronically Decaying Particles Using Machine-Learning Techniques / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, N.Voytishin, A.Zarubin [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.6. – p.P06005. <https://doi.org/10.1088/1748-0221/15/06/P06005>
953. **Sirunyan, A.M.** Measurements with Silicon Photomultipliers of Dose-Rate Effects in the Radiation Damage of Plastic Scintillator Tiles in the CMS Hadron Endcap Calorimeter / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.6. – p.P06009. - Bibliogr.:42. <https://doi.org/10.1088/1748-0221/15/06/P06009>

954. **Sirunyan, A.M.** Performance of the CMS Level-1 Trigger in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afnasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.10. – p.P10017.
<https://doi.org/10.1088/1748-0221/15/10/P10017>
955. **Sirunyan, A.M.** Performance of the Reconstruction and Identification of High-Momentum Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afnasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.2. – p.P02027. - Bibliogr.:34.
<https://doi.org/10.1088/1748-0221/15/02/P02027>
956. **Sirunyan, A.M.** Pileup Mitigation at CMS in 13 TeV Data / A.M.Sirunyan, S.Afnasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.9. – p.P09018. - Bibliogr.:42.
<https://doi.org/10.1088/1748-0221/15/09/P09018>
957. **Sirunyan, A.M.** Reconstruction of Signal Amplitudes in the CMS Electromagnetic Calorimeter in the Presence of Overlapping Proton-Proton Interactions / A.M.Sirunyan, S.Afnasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, D.Seitova, V.Shalaev, S.Shmatov, S.Shulha, V.Smirnov, O.Teryaev, Z.Tsamalaidze, N.Voytishin, A.Zarubin, I.Zhizhin [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.10. – p.P10002. - Bibliogr.:31.
<https://doi.org/10.1088/1748-0221/15/10/P10002>
958. **Sivacek, I.** MULTI-2, a 4π Spectrometer for Total Reaction Cross Section Measurements / I.Sivacek, Yu.E.Penionzhkevich, Yu.G.Sobolev, S.S.Stukalov // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.976. – p.164255. - Bibliogr.:22.
<https://doi.org/10.1016/j.nima.2020.164255>
959. **Sivacek, I.** Upgrade Possibilities of the Spectrometer "MULTI" / I.Sivacek, Yu.G.Sobolev, S.S.Stukalov // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.444-449. - Bibliogr.:9.
https://doi.org/10.1142/9789811209451_0063
960. **Skobliakov, A.V.** Time Response Simulation of a "Shashlyk"-Type Calorimeter as Applied to ECAL MPD/NICA / A.V.Skobliakov, V.V.Kulikov, I.A.Tyapkin [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012067. - Bibliogr.:7.
<https://doi.org/10.1088/1742-6596/1690/1/012067>

961. **Slavickova, M.** Signal Imaging from S^3 - 80-Channel Detector of Reactor Antineutrinos / M.Slavickova, V.Belov, V.Brudanin, V.Egorov, M.Fomina, S.Kazartsev, E.Shevchik, I.Zhitnikov [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.1. – p.C01031. - Bibliogr.:4.
<https://doi.org/10.1088/1748-0221/15/01/C01031>
962. **Slepnev, R.S.** Data Acquisition Systems in VME Standard for the Researches with Radioactive Ions Beams / R.S.Slepnev, A.A.Bezbakh, S.G.Belogurov, V.Chudoba, A.S.Fomichev, A.V.Gorshkov, S.A.Krupko, M.Mentel, E.V.Ovcharenko, P.Plucinski, P.G.Sharov // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.450-454. - Bibliogr.:7.
https://doi.org/10.1142/9789811209451_0064
963. **Strekalovsky, A.O.** Manifestation of Clustering in Fission Fragments at Crossing of Metal Foils / A.O.Strekalovsky, D.V.Kamanin, A.A.Alexandrov, I.A.Alexandrova, Z.I.Goryainova, E.A.Kuznetsova, A.N.Solodov, O.V.Strekalovsky, V.E.Zhuchko [a.o.] // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.455-459. - Bibliogr.:4.
https://doi.org/10.1142/9789811209451_0065
964. **Terekhin, A.A.** Upgrade of the Polarimeter at the Internal Target Station at the Nuclotron / A.A.Terekhin, V.P.Ladygin, Yu.V.Gurchin, A.Yu.Isupov, A.N.Khrenov, P.K.Kurilkina, N.B.Ladygina, S.M.Piyadin, S.G.Reznikov, I.S.Volkov, M.Janek, A.N.Livanov, Ya.T.Skhomenko, A.V.Tishevsky, A.V.Averyanov, S.N.Bazylev, E.V.Chernykh, D.O.Krivenkov, I.V.Slepnev, V.M.Slepnev, A.V.Shutov, I.E.Vnukov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012051. - Bibliogr.:8.
<https://doi.org/10.1088/1742-6596/1435/1/012051>
965. **Testov, D.** Calibration of Long Neutron Counter TETRA Using Reactions of Photo-Dissociation / D.Testov, V.Smironov, Yu.E.Penionzhkevich, E.Kuznetsova, S.Lukyanov, K.Mendibayev, Yu.Sobolev, E.Sokol [et al.] // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.466-469. - Bibliogr.:5.
https://doi.org/10.1142/9789811209451_0067
966. **Testov, D.** High Resolution γ -Ray Spectroscopy Using GALILEO Array / D.Testov, Yu.G.Sobolev [a.o.] // Proceedings of the International Symposium on Exotic Nuclei (EXON 2018), Petrozavodsk, Russia, Sept. 10-15, 2018 / International Symposium on Exotic Nuclei (9; 2018; Petrozavodsk) ; Ed.: Yu.E.Penionzhkevich, Yu.G.Sobolev. – New Jersey [etc.] : World Scientific, 2020. – p.470-477. - Bibliogr.:26.
https://doi.org/10.1142/9789811209451_0068
967. **Tishevskiy, A.V.** Development of the Scintillation Detector Prototypes with SiPM Readout for SPD at NICA / A.V.Tishevskiy, Yu.V.Gurchin, A.Yu.Isupov, A.N.Khrenov, V.P.Ladygin, S.G.Reznikov, A.A.Terekhin, I.S.Volkov [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012051. - Bibliogr.:5.
<https://doi.org/10.1088/1742-6596/1690/1/012051>

968. RTD - Neutron Diffractometer (Real-Time Diffraction) / Project leader: V.A.Turchenko, A.I.Beskrovnyi ; Main Participants: E.Popov, D.S.Neov // Proposals for Development of a Suite of Instruments for Condensed Matter Research at the IBR-2 Reactor in 2021-2025 / Joint Institute for Nuclear Research. Frank Lab. of Neutron Physics ; Comp.: Yu.E.Gorshkova ; Ed.: D.P.Kozlenko. – Dubna : JINR, 2020. – p.30-38. – Bibliogr.:21. – (JINR ; 2020-26).
969. **Tursunbayev, N.T.** Testing and Modeling HpGe Detector with Anti-Compton Shield / N.T.Tursunbayev, B.A.Urazbekov // Eurasian Journal of Physics and Functional Materials [Electronic resource]. – 2020. – Vol.4, No.3. – p.213-225. – Bibliogr.:8.
<https://doi.org/10.29317/ejpfm.2020040303>
970. SKAT - Texture Diffractometer (Project 2) / Project leader: R.N.Vasin // Proposals for Development of a Suite of Instruments for Condensed Matter Research at the IBR-2 Reactor in 2021-2025 / Joint Institute for Nuclear Research. Frank Lab. of Neutron Physics ; Comp.: Yu.E.Gorshkova ; Ed.: D.P.Kozlenko. – Dubna : JINR, 2020. – p.58-67. – Bibliogr.:22. – (JINR ; 2020-26).
971. **Vereschagin, S.** Front-End Electronics Development for TPC/MPD Detector of NICA Project / S.Vereschagin, S.Movchan, S.Zaporozhets // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.9. – p.C09044. – Bibliogr.:1.
<https://doi.org/10.1088/1748-0221/15/09/C09044>
972. **Vereschagin, S.** Time-Projection Chamber for Multi-Purpose Detector of NICA Project at JINR / S.Vereschagin, A.Bazhazhin, O.Fateev, J.Lukstins, S.Movchan, S.Razin, S.Zaporozhets, V.Zruev // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.958. – p.162793. – Bibliogr.:3.
<https://doi.org/10.1016/j.nima.2019.162793>
973. **Yang, X.** Layout and Performance of HPK Prototype LGAD Sensors for the High-Granularity Timing Detector / X.Yang, N.Atanov, Y.Davydov [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.980. – p.164379. – Bibliogr.:16.
<https://doi.org/10.1016/j.nima.2020.164379>
974. **Yeremin, A.** Velocity Filter SHELS: Performance and Experimental Results / A.Yeremin, A.Popeko, O.Malyshev, V.Chepigin, A.Svirikhin, A.Isaev, Yu.Popov, M.Chelnokov, A.Kuznetsova, M.Tezebaeva [et al.] // Nuclear Instruments & Methods in Physics Research B [Electronic resource]. – 2020. – Vol.463. – p.219-220. – Bibliogr.:4.
<https://doi.org/10.1016/j.nimb.2019.05.042>
975. **Yurevich, V.I.** Development of Scintillation Detectors with SiPM Readout for the NICA Project / V.I.Yurevich, S.A.Sedykh, S.V.Sergeev, D.N.Bogoslovski, V.Yu.Rogov, V.V.Tikhomirov, N.A.Lashmanov // International Journal of Modern Physics: Conference Series [Electronic resource]. – 2020. – Vol.50. – p.2060008. – Bibliogr.:7.
<https://doi.org/10.1142/S2010194520600083>
976. **Zhang, H.** Tested Performance of JUNO 20" PMTs / H.Zhang, A.Olshevskiy, N.Anfimov, D.Korablev [et al.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1468. – p.012197. – Bibliogr.:3.
<https://doi.org/10.1088/1742-6596/1468/1/012197>

977. **Van Vuuren, A.J.** Latent Ion Tracks in Amorphous and Radiation Amorphized Silicon Nitride / A.J.Van Vuuren, V.A.Skuratov, A.Mutali [et al.] // Nuclear Instruments & Methods in Physics Research B [Electronic resource]. – 2020. – Vol.473. – p.16-23. - Bibliogr.:24.
<https://doi.org/10.1016/j.nimb.2020.04.009>
978. **Аврорин, А.В.** Калибровка измерительных каналов нейтринного телескопа Baikal-GVD / А.В.Аврорин, И.А.Белолаптиков, В.Б.Бруданин, Н.С.Горшков, R.Dvornicky, В.Я.Дик, Р.А.Иванов, М.С.Катулин, М.М.Колбин, К.В.Конищев, А.В.Коробченко, М.В.Круглов, V.Nazari, Д.В.Наумов, Е.Н.Плисковский, В.Д.Рушай, F.Simkovic, А.Г.Соловьев, М.Н.Сорокиников, Е.О.Сушенок, Е.В.Храмов, Б.А.Шайбонов [и др.] // Приборы и техника эксперимента. – 2020. – №4. – с.120-130. - Библиогр.:10.
http://inis.jinr.ru/sl/NTBLIB/43067354_71385781.pdf
979. **Аврорин, А.В.** Эксперимент Baikal-GVD / А.В.Аврорин, И.А.Белолаптиков, В.Б.Бруданин, Н.С.Горшков, Р.Дворницкий, В.Я.Дик, Р.А.Иванов, М.С.Катулин, М.М.Колбин, К.В.Конищев, А.В.Коробченко, М.В.Круглов, В.Назари, Д.В.Наумов, Е.Н.Плисковский, В.Д.Рушай, Ф.Шимкович, А.Г.Соловьев, М.Н.Сорокиников, Е.О.Сушенок, Е.В.Храмов, Б.А.Шайбонов [и др.] // Ядерная физика. – 2020. – Т.83, №6. – с.511-517. - Библиогр.:14.
http://inis.jinr.ru/sl/NTBLIB/44090898_84248025.pdf
980. **Алексеев, В.И.** Определение энергетических характеристик электронного пучка с помощью легкого сцинтиллятора / В.И.Алексеев, Ю.Ф.Кречетов [и др.] // Приборы и техника эксперимента. – 2020. – №5. – с.10-15. - Библиогр.:6.
http://inis.jinr.ru/sl/NTBLIB/43182425_35475594.pdf
981. **Афанасьев, С.В.** Оптические характеристики облученных гамма-лучами полимерных сцинтилляторов / С.В.Афанасьев, И.А.Голутвин, А.И.Малахов, В.А.Смирнов [и др.] // Оптика и спектроскопия. – 2020. – Т.128, №9. – с.1249-53. - Библиогр.:10.
<https://doi.org/10.21883/OS.2020.09.49860.58-20>
982. **Белов, В.В.** Конструкция газовой и твердотельной мишеней измерительной системы мюонного захвата в ^{130}Xe , ^{82}Kr и ^{24}Mg / В.В.Белов, В.Б.Бруданин, К.Н.Гусев, В.Г.Егоров, И.В.Житников, Д.Р.Зинатулина, С.В.Казарцев, Н.С.Румянцева, Е.А.Шевчик, М.В.Ширченко, Ю.А.Шитов, М.В.Фомина // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №6. – с.803-814. - Библиогр.:17.
http://www1.jinr.ru/Pepan_letters/panl_2020_6/07_Belov.pdf
983. **Горячев, В.С.** Позиционно-чувствительный сцинтилляционный детектор нуклонов и ядерных фрагментов / В.С.Горячев, А.В.Ставинский, С.С.Шиманский [и др.] // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №2. – с.133-140. - Библиогр.:5.
http://www1.jinr.ru/Pepan_letters/panl_2020_2/09_Goryachev.pdf
984. **Дереновская, О.Ю.** Регистрация редких событий $J/\psi \rightarrow \mu^+\mu^-$ в эксперименте CBM / О.Ю.Дереновская, Т.О.Аблязимов, В.В.Иванов, Ю.В.Руссов // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №2. – с.219-225. - Библиогр.:9.
http://www1.jinr.ru/Pepan_letters/panl_2020_2/18_Derenovskaya.pdf

985. **Дунин, Н.В.** Разработка системы медленного контроля и сбора данных на примере устройств противопожарной безопасности для NICA-MPD / Н.В.Дунин, М.Д.Перыт // Вестник Международного Университета природы, общества и человека "Дубна". – 2020. – №2(47). – с.16-22. - Библиогр.:4.

986. **Зинченко, А.И.** Идентификационная способность вершинного трекового детектора установки NICA-MPD при реконструкции распадов странных и очарованных частиц / А.И.Зинченко, С.Н.Иголкин, Ю.А.Мурин, В.П.Кондратьев // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №6. – с.815-832. - Библиогр.:15.
http://www1.jinr.ru/Pepan_letters/panl_2020_6/08_Zinchenko.pdf

987. **Каманин, Д.В.** Исследование поведения осколков деления радиоактивных ядер при прохождении через твердотельные фольги с помощью детектора Timerix3 (проект эксперимента) / Д.В.Каманин, Ю.В.Пятков, О.В.Стрекаловский, З.И.Горяйнова [и др.] // Вестник Международного университета природы, общества и человека "Дубна": Серия: "Естественные и инженерные науки". – 2020. – №3(48). – с.16-19. - Библиогр.:5.

988. **Коровкин, Д.С.** Определение момента временной привязки сигналов методом двойного дифференцирования и интерполяции для времяпролетных измерений / Д.С.Коровкин, А.А.Балдин // Вестник Международного Университета природы, общества и человека "Дубна". – 2020. – №2(47). – с.23-28. - Библиогр.:5.

989. **Крылов, В.А.** Градуировка многосферного спектрометра нейтронов в открытой геометрии / В.А.Крылов, Е.Е.Павлик, Г.Н.Тимошенко. – Дубна : ОИЯИ, 2020. – 6 с. – (ОИЯИ ; P16-2020-12). - Библиогр.:7.
[http://www1.jinr.ru/Preprints/2020/012\(P16-2020-12\).pdf](http://www1.jinr.ru/Preprints/2020/012(P16-2020-12).pdf)

990. **Кудайбергенова, Э.Н.** Оптимизация системы твердотельной сепарации летучих продуктов реакций полного слияния с тяжелыми ионами / Э.Н.Кудайбергенова, А.А.Сейткали, А.М.Родин, Л.Крупа // Вестник Международного университета природы, общества и человека "Дубна". – 2020. – №1(46). – с.13-19. - Библиогр.:4.
<https://www.elibrary.ru/item.asp?id=44601943>

991. **Литвиненко, Е.И.** Сравнительный анализ характеристик систем сбора данных с позиционно-чувствительных детекторов нейтронов / Е.И.Литвиненко, А.А.Богдзель, В.И.Боднарчук, А.В.Чураков, И.В.Гапон, В.А.Дроздов, С.А.Куликов, С.М.Мурашкевич, А.В.Нагорный // Приборы и техника эксперимента. – 2020. – №3. – с.56-64. - Библиогр.:21.
http://inis.jinr.ru/sl/NTBLIB/42650938_29330117.pdf

992. **Микляев, В.М.** Применение тонкопленочных температурных датчиков Pt1000 C420 в сверхпроводящих установках и других приложениях / В.М.Микляев, Ю.П.Филиппов, А.Ю.Филиппов // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №1. – с.27-47. - Библиогр.:13.
http://www1.jinr.ru/Pepan_letters/panl_2020_1/06_Miklyaev.pdf

993. **Митрофанов, И.Г.** Гамма-спектрометрия составных мишеней-аналогов планетного вещества на протонном пучке ускорителя ОИЯИ с использованием метода меченых протонов / И.Г.Митрофанов, Г.Н.Тимошенко, В.А.Крылов, Е.Е.Павлик, В.Н.Швецов, Г.В.Мицын, А.Г.Молоканов [и др.] // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №3. – с.299-313. - Библиогр.:19.
http://www1.jinr.ru/Pepan_letters/panl_2020_3/09_Mitrofanov.pdf

994. **Родин, А.М.** Оптимизация твердотельного ISOL-метода для сепарации летучих продуктов реакций полного слияния / А.М.Родин, В.Ю.Веденеев, А.В.Гуляев, Д.Камас, А.Б.Комаров, Л.Крупа, А.С.Новоселов, А.Опихал, А.В.Подшибякин, В.С.Саламатин, С.В.Степанцов, Е.В.Чернышева, С.А.Юхимчук [и др.] // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №4. – с.553-558. - Библиогр.:8.
http://inis.jinr.ru/sl/NTBLIB/42578316_12122781.pdf
995. **Румянцева, Н.С.** Применение современных конструкционных материалов, методик и детекторов для низкофоновых экспериментов / Н.С.Румянцева, К.Н.Гусев // Вестник Международного Университета природы, общества и человека "Дубна". – 2020. – №2(47). – с.29-35. - Библиогр.:9.
996. **Стрекаловский, О.В.** Регистрация альфа-частиц с помощью многопиксельных кремниевых детекторов Timerix3 / О.В.Стрекаловский, Е.И.Николенко // Вестник Международного университета природы, общества и человека "Дубна" : Серия: "Естественные и инженерные науки". – 2020. – №3(48). – с.35-39. - Библиогр.:8.
997. **Суховой, А.М.** Возможности изучения каскадного гамма-распада ядра при его возбуждении ниже энергии связи нейтрона / А.М.Суховой, Л.В.Мицына, Д.К.Ву [и др.] // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №4. – с.565-569. - Библиогр.:22.
http://inis.jinr.ru/sl/NTBLIB/42578318_18983743.pdf
998. **Тетерев, Ю.Г.** Многоканальный детектор для контроля деградации сцинтилляционных и полупроводниковых детекторов в пучках тяжелых ионов низкой интенсивности / Ю.Г.Тетерев, А.И.Крылов, А.Т.Исатов, С.В.Митрофанов // Приборы и техника эксперимента. – 2020. – №3. – с.50-55. - Библиогр.:6.
http://inis.jinr.ru/sl/NTBLIB/42650938_48477914.pdf

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999. **Amirkhanov, I.V.** Automated Control System for Smith-Garren Curves Measurement : Abstract / I.V.Amirkhanov, I.N.Kiyan, J.Sulikowski // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №1. – p.48.
http://www1.jinr.ru/Pepan_letters/panl_2020_1/07_Amirkhanov_ann.pdf
1000. **Baldin, A.** Applied Research at the LHEP Accelerator Complex / A.Baldin // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.6. – p.C06051. - Bibliogr.:2.
<https://doi.org/10.1088/1748-0221/15/06/C06051>
1001. **Bednyakov, V.A.** JINR Participation in the Physics Program of the ATLAS Experiment in the 2015-2019 Period : [Abstract] / V.A.Bednyakov, E.V.Khramov // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №2. – p.219-220.
http://www1.jinr.ru/Pepan/v-51-2/01_Bednyak_ann.pdf
1002. **Chen, G.** Design and Research of Magnetic Field Mapping System for SC200 / G.Chen, O.Karamyshev, G.Karamysheva, G.Shirkov [et al.] // IEEE Transactions on Nuclear Science. – 2020. – Vol.67, No.1, Pt.2. – p.369-373. - Bibliogr.:20.
<https://doi.org/10.1109/TNS.2019.2958401>
1003. **Filatov, Y.N.** Spin Response Function Technique in Spin-Transparent Synchrotrons / Y.N.Filatov, A.M.Kondratenko, A.D.Kovalenko [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.8. – p.778. - Bibliogr.:29.
<https://doi.org/10.1140/epjc/s10052-020-8344-5>
1004. **Izotov, I.** Measurements of the Energy Distribution of Electrons Lost from the Minimum B-Field - The Effect of Instabilities and Two-Frequency Heating / I.Izotov, O.Tarvainen, V.Mironov [a.o.] // Review of Scientific Instruments [Electronic resource]. – 2020. – Vol.91, No.1. – p.013502. - Bibliogr.:23.
<https://doi.org/10.1063/1.5128322>
1005. **Kekelidze, V.** Status and Prospects at NICA / V.Kekelidze, V.Kolesnikov, V.A.Matveev, A.Sorin // The XVIII International Conference on Strangeness in Quark Matter (SQM 2019), Bari, Italy, 10-15 June, 2019 / International Conference on Strangeness in Quark Matter (18, 2019; Bari) ; Ed.: D.Elia, G.E.Bruno [et al.]. – Cham : Springer, 2020. – p.503-508. - Bibliogr.:13. – (Springer Proceedings in Physics ; Vol.250).
https://doi.org/10.1007/978-3-030-53448-6_79
1006. **Khodzhbagiyan, H.** An Approach to Development of the HTS Magnet for SMES at JINR / H.Khodzhbagiyan, V.Drobin, G.Dorofeev, V.Karpinskiy, A.Shurygin, M.Novikov, D.Kashaev, M.Zaslavskiy, G.Kachlishvili // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1590. – p.012057. - Bibliogr.:14.
<https://doi.org/10.1088/1742-6596/1590/1/012057>
1007. **Kisiel, A.** Status of the MPD Experiment at JINR / A.Kisiel // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1602. – p.012021. - Bibliogr.:19.
<https://doi.org/10.1088/1742-6596/1602/1/012021>

1008. **Kolesnikov, V.** Progress in the Construction of the NICA Accelerator Complex / V.Kolesnikov, V.D.Kekelidze, V.A.Matveev, A.S.Sorin // *Physica Scripta*. – 2020. – Vol.95, No.9. – p.094001. - Bibliogr.:46.
<https://doi.org/10.1088/1402-4896/aba665>
1009. **Kulikov, E.** Complex Research of the Unclosed HTS Shield for Improving Homogeneity of the Magnetic Field / E.Kulikov, G.L.Dorofeev, K.Kozlowski, L.Tomkow, V.M.Drobin // *Journal of Physics: Conference Series* [Electronic resource]. – 2020. – Vol.1590. – p.012049. - Bibliogr.:8.
<https://doi.org/10.1088/1742-6596/1590/1/012049>
1010. **Mironov, V.** Three-Dimensional Modelling of Processes in Electron Cyclotron Resonance Ion Source / V.Mironov, S.Bogomolov, A.Bondarchenko, A.Efremov, V.Loginov, D.Pugachev // *Journal of Instrumentation* [Electronic resource]. – 2020. – Vol.15, No.10. – p.P10030. - Bibliogr.:1.
<https://doi.org/10.1088/1748-0221/15/10/P10030>
1011. **Muller, F.** A New Beam Polarimeter at COSY to Search for Electric Dipole Moments of Charged Particles / F.Muller, S.Dymov, A.Kulikov, V.Shmakova, Yu.Uzikov [a.o.] // *Journal of Instrumentation* [Electronic resource]. – 2020. – Vol.15, No.12. – p.P12005. - Bibliogr.:44.
<https://doi.org/10.1088/1748-0221/15/12/P12005>
1012. **Neri, L.** New Method to Design Magnetic Channels with 2D Optimization Tools and Using Permendur Vanadium / L.Neri, L.Calabretta, D.Rifuggiato, O.Karamyshev // *Journal of Physics: Conference Series* [Electronic resource]. – 2020. – Vol.1401. – p.012007. - Bibliogr.:9.
<https://doi.org/10.1088/1742-6596/1401/1/012007>
1013. **Pavlov, L.A.** Software and Hardware Complex for Monitoring the Ion Beam Parameters of a Particle Accelerator / L.A.Pavlov, G.V.Nikonova, A.A.Kabanov, A.I.Shchelkanov // *Journal of Physics: Conference Series* [Electronic resource]. – 2020. – Vol.1441. – p.012075. - Bibliogr.:36.
<https://doi.org/10.1088/1742-6596/1441/1/012075>
1014. **Scandale, W.** Observation of Strong Reduction of Multiple Scattering for Channeled Particles in Bent Crystals / W.Scandale, A.D.Kovalenko, A.M.Taratin [et al.] // *Physics Letters B* [Electronic resource]. – 2020. – Vol.804. – p.135396. - Bibliogr.:12.
<https://doi.org/10.1016/j.physletb.2020.135396>
1015. **Shitov, Yu.** Carbon ^{14}C and Tritium as Possible Background Sources in XENON1T / Yu.Shitov, E.Yakushev // *Journal of Instrumentation* [Electronic resource]. – 2020. – Vol.15, No.12. – p.P12013.
<https://doi.org/10.1088/1748-0221/15/12/P12013>
1016. **Smirnov, V.** Experimental Validation of the Magnetic Field and Beam Dynamics Simulations for a Superconducting Cyclotron : [Abstract] / V.Smirnov, S.Vorozhtsov, B.Wu [et al.] // *Физика элементарных частиц и атомного ядра. Письма*. – 2020. – Т.17, №2. – p.168.
http://www1.jinr.ru/Pepan_letters/panl_2020_2/14_Smirnov_ann.pdf
1017. **Spiller, P.** The FAIR Heavy Ion Synchrotron SIS100 / P.Spiller, R.Balss, H.Khodzhibagiyani [a.o.] // *Journal of Instrumentation* [Electronic resource]. – 2020. – Vol.15, No.12. – p.T12013.
<https://doi.org/10.1088/1748-0221/15/12/T12013>

1018. **Sumbaev, A.** LUE-200 Accelerator - A Photo-Neutron Generator for the Pulsed Neutron Source "IREN" / A.Sumbaev, V.Kobets, V.Shvetsov [a.o.] // Journal of Instrumentation [Electronic resource]. – 2020. – Vol.15, No.11. – p.T11006.
<https://doi.org/10.1088/1748-0221/15/11/T11006>
1019. **Алексеев, В.И.** Мониторирование фотонного пучка / В.И.Алексеев, В.А.Басков, Ю.Ф.Кречетов [и др.] // Приборы и техника эксперимента. – 2020. – №6. – с.11-16. - Библиогр.:7.
http://inis.jinr.ru/sl/NTBLIB/44038991_74821755.pdf
1020. **Ангелов, В.** Коррекция магнитного поля бустера нуклотрона / В.Ангелов, О.Казинова, В.А.Михайлов // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.417-421. - Библиогр.:4.
http://www1.jinr.ru/Pepan_letters/panl_2020_4/08_Angelov.pdf
1021. **Андреев, В.** Система управления и диагностики пучка бустера NICA / В.Андреев, В.Волков, Е.Горбачев, В.Елкин, В.Исадов, А.Кириченко, Д.Монахов, Х.Назлев, С.Романов, Т.Рукояткина, Г.Седых // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.615-620. - Библиогр.:9.
http://www1.jinr.ru/Pepan_letters/panl_2020_4/37_Andreev.pdf
1022. **Арсентьева, М.В.** Анализ фокусирующих свойств краевого электрического поля ускоряющей структуры ускорителя ЛУЭ-200 / М.В.Арсентьева, А.М.Барняков, А.Е.Левичев, А.П.Сумбаев // Известия высших учебных заведений. Физика. – 2020. – Т.63, №7. – с.26-30. - Библиогр.:9.
http://inis.jinr.ru/sl/NTBLIB/IzvPh_2020-63-7-P26.pdf
1023. **Арсентьева, М.В.** Моделирование динамики пучка ускорителя ЛУЭ-200. Часть I.: Аналитические расчеты / М.В.Арсентьева, А.Е.Левичев, А.П.Сумбаев [и др.]. – Новосибирск : ИЯФ, 2020. – 44 с. : ил. – (ИЯФ ; 2020-06). - Библиогр.:18.
https://inp.nsk.su/images/preprint/2020-06-A.E._Левичев_-_препринт.pdf
1024. **Архаров, И.А.** Методика расчета расхода криогенных двухфазных потоков в бессепарационных расходомерах на базе сужающегося устройства / И.А.Архаров, И.Д.Какорин // Измерительная техника. – 2020. – №7. – с.34-42. - Библиогр.:29.
<https://doi.org/10.32446/0368-1025it.2020-7-34-42>
1025. **Базанов, А.М.** Линейный ускоритель легких ионов для проекта NICA / А.М.Базанов, А.В.Бутенко, Б.В.Головенский, Д.Е.Донец, В.В.Кобец, А.Д.Коваленко, А.И.Говоров, К.А.Левтеров, Д.А.Люосев, А.А.Мартынов, В.А.Мончинский, В.В.Мялковский, Д.О.Понкин, К.В.Шевченко, А.О.Сидорин, И.В.Шириков, Е.М.Сыресин [и др.] // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.474-482. - Библиогр.:8.
http://www1.jinr.ru/Pepan_letters/panl_2020_4/16_Bazanov.pdf
1026. **Бастн, А.** Модернизация криомодуля линейного коллайдера ILC / А.Бастн, Ю.Будагов, Б.Сабилов, Г.Ширков, Ю.Таран, Г.Трубников // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №6. – с.1305-1324. - Библиогр.:13.
http://www1.jinr.ru/Pepan/v-51-6/03_Basti.pdf

1027. **Бурков, И.В.** Разработка методики экспресс-оценки температурных полей на мембране выпускного окна ускорителя ЛУЭ-200 / И.В.Бурков, А.П.Сумбаев // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.595-603. - Библиогр.:5.
http://www1.jinr.ru/Pepan_letters/panl_2020_4/34_Burkov_ru.pdf
1028. **Василишин, Б.В.** Циклозадающая аппаратура для ускорителя бустера комплекса NICA / Б.В.Василишин, В.И.Волков, Е.В.Горбачев, А.Е.Кириченко, Д.В.Монахов, С.В.Романов // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.659-662. - Библиогр.:4.
http://www1.jinr.ru/Pepan_letters/panl_2020_4/43_Vasilishin.pdf
1029. **Васильев, О.** Результаты предварительного моделирования проекта ДЧС-NICA / О.Васильев, А.Сливин, Е.Сырессин, Г.Филатов [и др.] // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №6. – с.833-843. - Библиогр.:2.
http://www1.jinr.ru/Pepan_letters/panl_2020_6/09_Vasilyev.pdf
1030. **Волков, В.И.** Система термометрии сверхпроводящих магнитов бустера NICA / В.И.Волков, Е.В.Горбачев, А.Е.Кириченко, Н.В.Пиляр, С.В.Романов, Г.С.Седых, Р.А.Смолков // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.673-677. - Библиогр.:10.
http://www1.jinr.ru/Pepan_letters/panl_2020_4/46_Volkov.pdf
1031. **Голутвин, И.А.** Планы и перспективы физики на LHC / И.А.Голутвин, С.В.Шматов // Очерки по современной физике частиц / Общ. ред.: В.А.Матвеев, И.А.Голутвин ; Ред.-сост.: Г.А.Козлов. – Дубна : ОИЯИ, 2020. – с.88-111. - Библиогр.:28. – (ОИЯИ ; 2018-50).
1032. **Емельяненко, В.Н.** Анализ результатов магнитных измерений структурных элементов бустера нуклотрона / В.Н.Емельяненко, О.Казинова, В.А.Михайлов, А.В.Филиппов // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.429-434. - Библиогр.:3.
http://www1.jinr.ru/Pepan_letters/panl_2020_4/10_Emelianenko.pdf
1033. **Жабицкий, В.М.** Использование демпфирующей системы в синхротроне для кратковременного возбуждения когерентных колебаний частиц / В.М.Жабицкий // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.453-459. - Библиогр.:11.
http://www1.jinr.ru/Pepan_letters/panl_2020_4/13_Zhabitsky.pdf
1034. **Жаворонкова, Е.А.** Нейтронно-физический расчет мишеней для подкритической сборки, управляемой ускорителем протонов / Е.А.Жаворонкова // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.505-510. - Библиогр.:6.
http://www1.jinr.ru/Pepan_letters/panl_2020_4/20_Zhavoronkova.pdf
1035. **Иваненко, И.А.** Создание магнитной системы нового изохронного циклотрона ДЦ-140 на основе электромагнита ДЦ-72 / И.А.Иваненко, Г.Г.Гульбекян, Н.Ю.Казаринов, И.В.Калагин, Й.Франко // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.463-467. - Библиогр.:3.
http://www1.jinr.ru/Pepan_letters/panl_2020_4/14_Ivanenko.pdf

1036. **Исатов, А.Т.** Методика и результаты измерений амплитуды в.ч.-напряжения на дуантах циклотронов ЛЯР ОИЯИ по краю спектра тормозного излучения / А.Т.Исатов, Ю.Г.Тетерев, Р.К.Кабытаева, С.В.Митрофанов, И.В.Калагин // Приборы и техника эксперимента. – 2020. – №1. – с.5-9. - Библиогр.:9.
http://inis.jinr.ru/sl/NTBLIB/42235019_11434762.pdf
1037. **Казаринов, Н.Ю.** Расчет вывода пучка из циклотронов TR-24 и ДЦ-140 / Н.Ю.Казаринов, Г.Г.Гульбекян, И.А.Иваненко // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.468-473. - Библиогр.:2.
http://www1.jinr.ru/Pepan_letters/panl_2020_4/15_Kazarinov.pdf
1038. **Карамышев, О.В.** Исследования и разработка сверхпроводящего циклотрона SC230 для протонной терапии / О.В.Карамышев, К.С.Буятов, А.Л.Гибинский, С.В.Гурский, Г.А.Карамышева, И.Д.Ляпин, В.А.Малинин, Д.В.Попов, Г.Д.Ширков, С.Г.Ширков. – Дубна : ОИЯИ, 2020. – 16 с. – (ОИЯИ ; P9-2020-17). - Библиогр.:19.
[http://www1.jinr.ru/Preprints/2020/017\(P9-2020-17\).pdf](http://www1.jinr.ru/Preprints/2020/017(P9-2020-17).pdf)
1039. **Каюков, А.С.** Система питания фокусирующих соленоидов клистронов E37340 Toshiba ускорителя ЛУЭ-200 установки ИРЕН / А.С.Каюков, А.В.Калмыков, В.Ф.Минашкин, А.П.Сумбаев // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.523-528. - Библиогр.:4.
http://www1.jinr.ru/Pepan_letters/panl_2020_4/23_Kayukov.pdf
1040. **Кекелидзе, В.Д.** Коллайдер NICA: достать до нейтронных звезд: беседа с членом-корреспондентом РАН В.Кекелидзе / В.Д.Кекелидзе // В мире науки. – 2020. – №12. – с.12-19.
http://inis.jinr.ru/sl/NTBLIB/VMN_12-2020-P12.pdf
1041. **Кобец, В.В.** Модернизация модуляторов клистронов ускорителя ЛИНАК-200 / В.В.Кобец, И.Н.Гаранжа, А.Е.Бруква, Я.А.Самофалова // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.529-536. - Библиогр.:7.
http://www1.jinr.ru/Pepan_letters/panl_2020_4/24_Samofalova_ru.pdf
1042. **Костромин, С.А.** Оптимизация магнитно-оптической структуры коллайдера NICA / С.А.Костромин, О.С.Козлов, А.В.Тузииков, А.В.Филиппов // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.422-428. - Библиогр.:5.
http://www1.jinr.ru/Pepan_letters/panl_2020_4/09_Kostromin_1.pdf
1043. **Лисов, В.И.** Электростатический корректор орбиты установки GALS / В.И.Лисов, Н.Ю.Казаринов, С.Г.Земляной, Г.В.Мышинский // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.627-632. - Библиогр.:4.
http://www1.jinr.ru/Pepan_letters/panl_2020_4/39_Lisov.pdf
1044. **Логинов, В.Н.** Получение интенсивных пучков ионов никеля, хрома, кремния и кобальта на циклотроне ДЦ-60 / В.Н.Логинов, С.Л.Богомолов, А.Е.Бондарченко, В.Е.Миронов, Д.К.Пугачев // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №2. – с.153-157. - Библиогр.:7.
http://www1.jinr.ru/Pepan_letters/panl_2020_2/12_Loginov.pdf

1045. **Муравьева, Е.В.** Низкоиндуктивный высоковольтный ввод импульсной мощности в криогенный модуль септумного магнита коллайдера NICA / Е.В.Муравьева, А.С.Петухов, А.А.Фатеев // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.549-554. - Библиогр.:1.

http://www1.jinr.ru/Pepan_letters/panl_2020_4/27_Muravieva.pdf

1046. **Никифоров, Дмитрий Николаевич.** Разработка и оптимизация систем криообеспечения стенда для испытаний сверхпроводящих магнитов проекта NICA : автореф. дис... канд. техн. наук: 01.04.01 / Дмитрий Николаевич Никифоров. – Дубна : ОИЯИ, 2020. – 22 с. : ил. – (ОИЯИ ; 8-2020-5). - Библиогр.: с. 19-22.

<http://inis.jinr.ru/sl/NTBLIB/Nikiforov-avtoreferat.pdf>

1047. **Ноздрин, М.А.** Проект новой системы управления Линак-200 / М.А.Ноздрин, В.В.Кобец, Р.В.Тимонин, А.Н.Трифонов, Г.Д.Ширков, А.С.Жемчугов, И.И.Новиков // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.663-668. - Библиогр.:10.

http://www1.jinr.ru/Pepan_letters/panl_2020_4/44_Nozdrin.pdf

1048. **Седых, Г.С.** RestDS2 - C++ реализация Tango REST API / Г.С.Седых, Е.В.Горбачев, В.Г.Елкин // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.669-672. - Библиогр.:11.

http://www1.jinr.ru/Pepan_letters/panl_2020_4/45_Sedykh_1.pdf

1049. **Сидоров, А.И.** Высоковольтный цанговый ввод инжекционного кикера нуклотрона / А.И.Сидоров, А.В.Тузиков, В.С.Швецов, И.И.Голубев, А.П.Козлов, М.П.Лепкин // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.543-546. - Библиогр.:2.

http://www1.jinr.ru/Pepan_letters/panl_2020_4/26_Sidorov_1.pdf

1050. **Сидоров, А.И.** Магнитный кикер для инжекции пучка в нуклотрон ускорительного комплекса NICA / А.И.Сидоров, А.В.Тузиков, В.С.Швецов // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.561-564. - Библиогр.:2.

http://www1.jinr.ru/Pepan_letters/panl_2020_4/29_Sidorov_2.pdf

1051. **Сумбаев, А.П.** Анализ нагрузки током пучка ускоряющего поля ускорителя ЛУЭ-200 / А.П.Сумбаев, А.М.Барняков, А.Е.Левичев // Известия высших учебных заведений. Физика. – 2020. – Т.63, №3. – с.152-156. - Библиогр.:6.

<http://doi.org/10.17223/00213411/63/3/152>

1052. **Тетерев, Ю.Г.** Модернизация сканирующего двухмерного ионизационного монитора профиля в каналах транспортировки пучка / Ю.Г.Тетерев, А.Т.Исагов, С.В.Митрофанов, А.И.Крылов // Приборы и техника эксперимента. – 2020. – №6. – с.5-10. - Библиогр.:14.

http://inis.jinr.ru/sl/NTBLIB/44038987_57213418.pdf

1053. **Филатов, Г.А.** Новые каналы для прикладных исследований ускорительного комплекса NICA и динамика пучков в них / Г.А.Филатов, А.Сливин, Е.М.Сыресин, А.В.Бутенко, А.Ф.Чеснов, Т.Парфило, А.В.Тузиков // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.405-410. - Библиогр.:3.

http://www1.jinr.ru/Pepan_letters/panl_2020_4/06_Filatov.pdf

1054. **Шандов, М.М.** Корректирующие магниты бустера и коллайдера NICA / М.М.Шандов, В.В.Борисов, А.В.Бутенко, О.Казимова, С.А.Костромин, О.С.Козлов, В.А.Михайлов, Т.Парфило, А.В.Филиппов, Е.М.Сырессин, А.В.Тузилов, Г.Г.Ходжибагиян // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.555-560. - Библиогр.:7.

http://www1.jinr.ru/Pepan_letters/panl_2020_4/28_Shanov.pdf

1055. **Шандов, М.М.** Состояние магнитных измерений двухапертурных дипольных магнитов коллайдера / М.М.Шандов, В.В.Борисов, А.В.Бычков, О.М.Голубицкий, И.И.Донгузов, А.М.Донягин, Д.А.Золотых, М.А.Кашунин, С.А.Костромин, В.А.Михайленко, Т.А.Парфило, Г.Г.Ходжибагиян, А.В.Шемчук // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №4. – с.537-542. - Библиогр.:7.

http://www1.jinr.ru/Pepan_letters/panl_2020_4/25_Shandov.pdf

1056. **Шипулин, Константин Николаевич.** Разработка программно-аппаратных средств для планирования и обеспечения гарантии качества конформной протонной лучевой терапии : автореферат дис... канд. физ.-мат. наук: 01.04.01 / Константин Николаевич Шипулин. – Дубна : ОИЯИ, 2020. – 19 с. : цв. ил. – (ОИЯИ ; 13-2020-42). - Библиогр.: с.18-19.

http://inis.jinr.ru/sl/NTBLIB/Shipulin_KN_aut.pdf

1057. **Aaboud, M.** Determination of Jet Calibration and Energy Resolution in Proton-Proton Collisions at $\sqrt{s}=8$ TeV using the ATLAS Detector / M.Aaboud, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, E.Ladygin, V.Lyubushkin, M.Mineev, V.D.Peshekhonov, E.Plotnikova, I.N.Potrap, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, L.Simic, A.Soloshenko, S.Turchikhin, V.B.Vinogradov, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.12. – p.1104. - Bibliogr.:73.

<https://doi.org/10.1140/epjc/s10052-020-08477-8>

1058. **Aaboud, M.** Measurement of J/ψ Production in Association with a W^\pm Boson with pp Data at 8 TeV / M.Aaboud, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, V.D.Peshekhonov, E.Plotnikova, I.N.Potrap, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, V.B.Vinogradov, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.1. – p.095. - Bibliogr.:54.

[https://doi.org/10.1007/JHEP01\(2020\)095](https://doi.org/10.1007/JHEP01(2020)095)

1059. **Aaboud, M.** Measurement of Long-Range Two-Particle Azimuthal Correlations in Z-Boson Tagged pp Collisions at $\sqrt{s}=8$ and 13 TeV / M.Aaboud, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, V.D.Peshekhonov, E.Plotnikova, I.N.Potrap, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, S.Turchikhin, P.V.Tsiareshka, V.B.Vinogradov, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.1. – p.64. - Bibliogr.:61.

<https://doi.org/10.1140/epjc/s10052-020-7606-6>

1060. **Aaboud, M.** Measurements of Top-Quark Pair Spin Correlations in the $e\mu$ Channel at $\sqrt{s}=13$ TeV Using pp Collisions in the ATLAS Detector / M.Aaboud, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, V.D.Peshekhonov, E.Plotnikova, I.N.Potrap, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, V.B.Vinogradov, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.8. – p.754. - Bibliogr.:94.

<https://doi.org/10.1140/epjc/s10052-020-8181-6>

1061. **Aad, G.** A Search for the $Z\gamma$ Decay Mode of the Higgs Boson in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [et al.] // *Physics Letters B* [Electronic resource]. – 2020. – Vol.809. – p.135754. - Bibliogr.:127.

<https://doi.org/10.1016/j.physletb.2020.135754>

1062. **Aad, G.** Alignment of the ATLAS Inner Detector in Run 2 / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // *The European Physical Journal C* [Electronic resource]. – 2020. – Vol.80, No.12. – p.1194. - Bibliogr.:50.

<https://doi.org/10.1140/epjc/s10052-020-08700-6>

1063. **Aad, G.** CP Properties of Higgs Boson Interactions with Top Quarks in the $t\bar{t}H$ and tH Processes Using $H \rightarrow \gamma\gamma$ with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // *Physical Review Letters* [Electronic resource]. – 2020. – Vol.125, No.6. – p.061802. - Bibliogr.:77.

<https://doi.org/10.1103/PhysRevLett.125.061802>

1064. **Aad, G.** Combination of Searches for Higgs Boson Pairs in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, V.B.Vinogradov, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [et al.] // *Physics Letters B* [Electronic resource]. – 2020. – Vol.800. – p.135103. - Bibliogr.:76.

<https://doi.org/10.1016/j.physletb.2019.135103>

1065. **Aad, G.** Combination of the W Boson Polarization Measurements in Top Quark Decays Using ATLAS and CMS Data at $\sqrt{s}=\text{TeV}$ / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, V.Kukhtin, Y.Kulchitsky, U.Kruchonak, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine, S.Afanasyev, V.Alexakhin, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Pereygin, M.Savina, S.Smatov, S.Shulha, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.8. – p.051. - Bibliogr.:57.

[https://doi.org/10.1007/JHEP08\(2020\)051](https://doi.org/10.1007/JHEP08(2020)051)

1066. **Aad, G.** Combined Measurements of Higgs Boson Production and Decay Using up to 80 fb⁻¹ of Proton-Proton Collision Data at $\sqrt{s}=13$ TeV Collected with the ATLAS Experiment / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, V.B.Vinogradov, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.1. – p.012002. - Bibliogr.:167.

<https://doi.org/10.1103/PhysRevD.101.012002>

1067. **Aad, G.** Dijet Resonance Search with Weak Supervision Using $\sqrt{s}=13$ TeV pp Collisions in the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.13. – p.131801. - Bibliogr.:116.

<https://doi.org/10.1103/PhysRevLett.125.131801>

1068. **Aad, G.** Evidence for Electroweak Production of Two Jets in Association with a $Z\gamma$ Pair in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.803. – p.135341. - Bibliogr.:80.

<https://doi.org/10.1016/j.physletb.2020.135341>

1069. **Aad, G.** Evidence for $t\bar{t}t\bar{t}$ Production in the Multilepton Final State in Proton-Proton Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.11. – p.1085. - Bibliogr.:82.
<https://doi.org/10.1140/epjc/s10052-020-08509-3>

1070. **Aad, G.** Higgs Boson Production Cross-Section Measurements and Their EFT Interpretation in the $4l$ Decay Channel at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.10. – p.957. - Bibliogr.:172.
<https://doi.org/10.1140/epjc/s10052-020-8227-9>

1071. **Aad, G.** Measurement of Azimuthal Anisotropy of Muons from Charm and Bottom Hadrons in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.8. – p.082301. - Bibliogr.:33.
<https://doi.org/10.1103/PhysRevLett.124.082301>

1072. **Aad, G.** Measurement of Differential Cross Sections for Single Diffractive Dissociation in $\sqrt{s}=8$ TeV pp Collisions Using the ATLAS ALFA Spectrometer / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, V.B.Vinogradov, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.2. – p.042. - Bibliogr.:45.
[https://doi.org/10.1007/JHEP02\(2020\)042](https://doi.org/10.1007/JHEP02(2020)042)

1073. **Aad, G.** Measurement of Isolated-Photon Plus Two-Jet Production in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.3. – p.179. - Bibliogr.:67.
[https://doi.org/10.1007/JHEP03\(2020\)179](https://doi.org/10.1007/JHEP03(2020)179)

1074. **Aad, G.** Measurement of Soft-Drop Jet Observables in pp Collisions with the ATLAS Detector at $\sqrt{s}=13$ TeV / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, V.B.Vinogradov, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.5. – p.052007. - Bibliogr.:85.
<https://doi.org/10.1103/PhysRevD.101.052007>

1075. **Aad, G.** Measurement of the Lund Jet Plane Using Charged Particles in 13 TeV Proton-Proton Collisions with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.22. – p.222002. - Bibliogr.:68.
<https://doi.org/10.1103/PhysRevLett.124.222002>

1076. **Aad, G.** Measurement of the Transverse Momentum Distribution of Drell-Yan Lepton Pairs in Proton-Proton Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.7. – p.616. - Bibliogr.:95.
<https://doi.org/10.1140/epjc/s10052-020-8001-z>

1077. **Aad, G.** Measurement of the $Z(\rightarrow l^+l^-)\gamma$ Production Cross-Section in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, M.Shiyakova, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.3. – p.054. - Bibliogr.:82.
[https://doi.org/10.1007/JHEP03\(2020\)054](https://doi.org/10.1007/JHEP03(2020)054)

1078. **Aad, G.** Measurement of the $t\bar{t}$ Production Cross-Section and Lepton Differential Distributions in $e\mu$ Dilepton Events from pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.6. – p.528. - Bibliogr.:110.
<https://doi.org/10.1140/epjc/s10052-020-7907-9>

1079. **Aad, G.** Measurement of the $t\bar{t}$ Production Cross-Section in the Lepton+Jets Channel at $\sqrt{s} = 13$ TeV with the ATLAS Experiment / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.810. – p.135797. - Bibliogr.:92.
<https://doi.org/10.1016/j.physletb.2020.135797>

1080. **Aad, G.** Measurements of Inclusive and Differential Cross-Sections of Combined $t\bar{t}\gamma$ and $tW\gamma$ Production in the $e\mu$ Channel at 13 TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.9. – p.049. - Bibliogr.:73.
[https://doi.org/10.1007/JHEP09\(2020\)049](https://doi.org/10.1007/JHEP09(2020)049)

1081. **Aad, G.** Measurements of the Higgs Boson Inclusive and Differential Fiducial Cross Sections in the 4l Decay Channel at $\sqrt{s}=13$ TeV / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.10. – p.942. - Bibliogr.:149.
<https://doi.org/10.1140/epjc/s10052-020-8223-0>

1082. **Aad, G.** Measurements of the Production Cross-Section for a Z Boson in Association with b-Jets in Proton-Proton Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.7. – p.044. - Bibliogr.:104.
[https://doi.org/10.1007/JHEP07\(2020\)044](https://doi.org/10.1007/JHEP07(2020)044)

1083. **Aad, G.** Observation and Measurement of Forward Proton Scattering in Association with Lepton Pairs Produced via the Photon Fusion Mechanism at ATLAS / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.26. – p.261801. - Bibliogr.:99.
<https://doi.org/10.1103/PhysRevLett.125.261801>

1084. **Aad, G.** Observation of the Associated Production of a Top Quark and a Z Boson in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.7. – p.124. - Bibliogr.:79.
[https://doi.org/10.1007/JHEP07\(2020\)124](https://doi.org/10.1007/JHEP07(2020)124)

1085. **Aad, G.** Performance of the Missing Transverse Momentum Triggers for the ATLAS Detector During Run-2 Data Taking / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.8. – p.080. - Bibliogr.:50.
[https://doi.org/10.1007/JHEP08\(2020\)080](https://doi.org/10.1007/JHEP08(2020)080)

1086. **Aad, G.** Reconstruction and Identification of Boosted di- τ Systems in a Search for Higgs Boson Pairs Using 13 TeV Proton-Proton Collision Data in ATLAS / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.11. – p.163. - Bibliogr.:108.
[https://doi.org/10.1007/JHEP11\(2020\)163](https://doi.org/10.1007/JHEP11(2020)163)

1087. **Aad, G.** Search for Chargino-Neutralino Production with Mass Splittings near the Electroweak Scale in Three-Lepton Final States in $\sqrt{s}=13$ TeV pp Collisions with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.7. – p.072001. - Bibliogr.:100.
<https://doi.org/10.1103/PhysrevD.101.072001>

1088. **Aad, G.** Search for Dijet Resonances in Events with an Isolated Charged Lepton Using $\sqrt{s}=13$ TeV Proton-Proton Collision Data Collected by the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.6. – p.151. - Bibliogr.:69.
[https://doi.org/10.1007/JHEP06\(2020\)151](https://doi.org/10.1007/JHEP06(2020)151)

1089. **Aad, G.** Search for Direct Production of Electroweakinos in Final States with Missing Transverse Momentum and a Higgs Boson Decaying into Photons in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.10. – p.005. - Bibliogr.:114.

[https://doi.org/10.1007/JHEP10\(2020\)005](https://doi.org/10.1007/JHEP10(2020)005)

1090. **Aad, G.** Search for Direct Production of Electroweakinos in Final States with One Lepton, Missing Transverse Momentum and a Higgs Boson Decaying into Two b-Jets in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, A.Soloshenko, M.Shiyakova, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.8. – p.691. - Bibliogr.:93.

<https://doi.org/10.1140/epjc/s10052-020-8050-3>

1091. **Aad, G.** Search for Direct Stau Production in Events with Two Hadronic τ -Leptons in $\sqrt{s}=13$ TeV pp Collisions with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.3. – p.032009. - Bibliogr.:104.

<https://doi.org/10.1103/PhysRevD.101.032009>

1092. **Aad, G.** Search for Displaced Vertices of Oppositely Charged Leptons from Decays of Long-Lived Particles in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, V.B.Vinogradov, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.801. – p.135114. - Bibliogr.:60.

<https://doi.org/10.1016/j.physletb.2019.135114>

1093. **Aad, G.** Search for Electroweak Production of Charginos and Staleptons Decaying into Final States with Two Leptons and Missing Transverse Momentum in $\sqrt{s}=13$ TeV pp Collisions Using the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, M.Mineev, E.Plotnikova, I.N.Potrap, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, V.B.Vinogradov, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.2. – p.123. - Bibliogr.:108.

<https://doi.org/10.1140/epjc/s10052-019-7594-6>

1094. **Aad, G.** Search for Flavour-Changing Neutral Currents in Processes with One Top Quark and a Photon Using 81 fb⁻¹ of pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Experiment / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.800. – p.135082. - Bibliogr.:76.

<https://doi.org/10.1016/j.physletb.2019.135082>

1095. **Aad, G.** Search for Heavy Diboson Resonances in Semileptonic Final States in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.12. – p.1165. - Bibliogr.:100.

<https://doi.org/10.1140/epjc/s10052-020-08554-y>

1096. **Aad, G.** Search for Heavy Higgs Bosons Decaying into Two Tau Leptons with the ATLAS Detector Using pp Collisions at $\sqrt{s}=13$ TeV / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.5. – p.051801. - Bibliogr.:112.

<https://doi.org/10.1103/PhysRevLett.125.051801>

1097. **Aad, G.** Search for Heavy Neutral Higgs Bosons Produced in Association with b-Quarks and Decaying into b-Quarks at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, V.B.Vinogradov, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.3. – p.032004. - Bibliogr.:78. <https://doi.org/10.1103/PhysRevD.102.032004>

1098. **Aad, G.** Search for Heavy Resonances Decaying into a Photon and a Hadronically Decaying Higgs Boson in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.25. – p.251802. - Bibliogr.:56. <https://doi.org/10.1103/PhysRevLett.125.251802>

1099. **Aad, G.** Search for Higgs Boson Decays into Two New Low-Mass Spin-0 Particles in the 4b Channel with the ATLAS Detector Using pp Collisions at $\sqrt{s}=13$ TeV / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.11. – p.112006. - Bibliogr.:72. <https://doi.org/10.1103/PhysRevD.102.112006>

1100. **Aad, G.** Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using 13 TeV pp Collision Data from the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.22. – p.221802. - Bibliogr.:110. <https://doi.org/10.1103/PhysRevLett.125.221802>

1101. **Aad, G.** Search for Light Long-Lived Neutral Particles Produced in pp Collisions at $\sqrt{s}=13$ TeV and Decaying into Collimated Leptons or Light Hadrons with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, V.B.Vinogradov, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.5. – p.450. - Bibliogr.:100.

<https://doi.org/10.1140/epjc/s10052-020-7997-4>

1102. **Aad, G.** Search for Long-Lived Neutral Particles Produced in pp Collisions at $\sqrt{s}=13$ TeV Decaying into Displaced Hadronic Jets in the ATLAS Inner Detector and Muon Spectrometer / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.5. – p.052013. - Bibliogr.:62.

<https://doi.org/10.1103/PhysRevD.101.052013>

1103. **Aad, G.** Search for Long-Lived, Massive Particles in Events with a Displaced Vertex and a Muon with Large Impact Parameter in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.3. – p.032006. - Bibliogr.:79.

<https://doi.org/10.1103/PhysRevD.102.032006>

1104. **Aad, G.** Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 TeV Proton-Proton Collisions with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, V.B.Vinogradov, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.3. – p.031802. - Bibliogr.:59.

<https://doi.org/10.1103/PhysRevLett.124.031802>

1105. **Aad, G.** Search for New Non-Resonant Phenomena in High-Mass Dilepton Final States with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.11. – p.005. - Bibliogr.:52.

[https://doi.org/10.1007/JHEP11\(2020\)005](https://doi.org/10.1007/JHEP11(2020)005)

1106. **Aad, G.** Search for New Phenomena in Final States with Large Jet Multiplicities and Missing Transverse Momentum Using $\sqrt{s}=13$ TeV Proton-Proton Collisions Recorded by ATLAS in Run 2 of the LHC / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.10. – p.062. - Bibliogr.:92.

[https://doi.org/10.1007/JHEP10\(2020\)062](https://doi.org/10.1007/JHEP10(2020)062)

1107. **Aad, G.** Search for New Resonances in Mass Distributions of Jet Pairs Using 139 fb^{-1} of pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.3. – p.145. - Bibliogr.:68.

[https://doi.org/10.1007/JHEP03\(2020\)145](https://doi.org/10.1007/JHEP03(2020)145)

1108. **Aad, G.** Search for Non-Resonant Higgs Boson Pair Production in the $b\bar{b}l\nu l\nu$ Final State with the ATLAS Detector in pp Collisions at $\sqrt{s} = 13$ TeV / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.801. – p.135145. - Bibliogr.:133.

<https://doi.org/10.1016/j.physletb.2019.135145>

1109. **Aad, G.** Search for Pairs of Scalar Leptoquarks Decaying into Quarks and Electrons or Muons in $\sqrt{s}=13$ TeV pp Collisions with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.10. – p.112.
[https://doi.org/10.1007/JHEP10\(2020\)112](https://doi.org/10.1007/JHEP10(2020)112)

1110. **Aad, G.** Search for Resonances Decaying into a Weak Vector Boson and a Higgs Boson in the Fully Hadronic Final State Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.11. – p.112008. - Bibliogr.:71.
<https://doi.org/10.1103/PhysRevD.102.112008>

1111. **Aad, G.** Search for Squarks and Gluinos in Final States with Same-Sign Leptons and Jets Using 139 fb^{-1} of Data Collected with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.6. – p.046. - Bibliogr.:92.
[https://doi.org/10.1007/JHEP06\(2020\)046](https://doi.org/10.1007/JHEP06(2020)046)

1112. **Aad, G.** Search for Top Squarks in Events with a Higgs or Z Boson Using 139 fb^{-1} of pp Collision Data at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.11. – p.1080. - Bibliogr.:90.
<https://doi.org/10.1140/epjc/s10052-020-08469-8>

1113. **Aad, G.** Search for a Scalar Partner of the Top Quark in the All-Hadronic $t\bar{t}$ Plus Missing Transverse Momentum Final State at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.8. – p.737. - Bibliogr.:137.

<https://doi.org/10.1140/epjc/s10052-020-8102-8>

1114. **Aad, G.** Search for the $HH \rightarrow b\bar{b}b\bar{b}$ Process via Vector-Boson Fusion Production Using Proton-Proton Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.7. – p.108. - Bibliogr.:71.

[https://doi.org/10.1007/JHEP07\(2020\)108](https://doi.org/10.1007/JHEP07(2020)108)

1115. **Aad, G.** Search for the Higgs Boson Decays $H \rightarrow ee$ and $H \rightarrow e\mu$ in pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.801. – p.135148. - Bibliogr.:97.

<https://doi.org/10.1016/j.physletb.2019.135148>

1116. **Aad, G.** Search for $t\bar{t}$ Resonances in Fully Hadronic Final States in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.10. – p.061. - Bibliogr.:85.

[https://doi.org/10.1007/JHEP10\(2020\)061](https://doi.org/10.1007/JHEP10(2020)061)

1117. **Aad, G.** Searches for Electroweak Production of Supersymmetric Particles with Compressed Mass Spectra in $\sqrt{s}=13$ TeV pp Collisions with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.5. – p.052005. - Bibliogr.:128. <https://doi.org/10.1103/PhysRevD.101.052005>

1118. **Aad, G.** Searches for Lepton-Flavour-Violating Decays of the Higgs Boson in $\sqrt{s} = 13$ TeV pp Collisions with the ATLAS Detector / G.Aad, F.Ahmadov, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, V.B.Vinogradov, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.800. – p.135069. - Bibliogr.:94. <https://doi.org/10.1016/j.physletb.2019.135069>

1119. **Aad, G.** Test of CP Invariance in Vector-Boson Fusion Production of the Higgs Boson in the $H \rightarrow \tau\tau$ Channel in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector / G.Aad, I.N.Aleksandrov, V.A.Bednyakov, I.R.Boyko, I.A.Budagov, G.A.Chelkov, A.Cheplakov, M.V.Chizhov, D.V.Dedovich, M.Demichev, A.Gongadze, M.I.Gostkin, N.Huseynov, N.Javadov, S.N.Karpov, Z.M.Karpova, E.Khramov, U.Kruchonak, V.Kukhtin, Y.Kulchitsky, E.Ladygin, V.Lyubushkin, T.Lyubushkina, S.Malyukov, M.Mineev, E.Plotnikova, I.N.Potrap, F.Prokoshin, N.A.Rusakovich, R.Sadykov, A.Sapronov, M.Shiyakova, A.Soloshenko, P.V.Tsiareshka, S.Turchikhin, I.Yeletsikh, A.Zhemchugov, N.I.Zimine [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.805. – p.135426. - Bibliogr.:120. <https://doi.org/10.1016/j.physletb.2020.135426>

1120. **Abazov, V.M.** Studies of $X(3872)$ and $\psi(2S)$ Production in $p\bar{p}$ Collisions at 1.96 TeV / V.M.Abazov, G.D.Alexeev, G.Golovanov, Y.N.Kharzheev, V.L.Malyshev, V.V.Tokmenin, A.Y.Verkhuev, L.S.Vertogradov, Y.A.Yatsunenka [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.7. – p.072005. - Bibliogr.:20. <https://doi.org/10.1103/PhysRevD.102.072005>

1121. **Abe, K.** Constraint on the Matter-Antimatter Symmetry-Violating Phase in Neutrino Oscillations / K.Abe, B.Popov [et al.] // Nature. – 2020. – Vol.580, No.7803. – p.339-344. - Bibliogr.:33. <http://dx.doi.org/10.1038/s41586-020-2177-0>

1122. **Abe, K.** First Combined Measurement of the Muon Neutrino and Antineutrino Charged-Current Cross Section without Pions in the Final State at T2K / K.Abe, B.Popov [et al.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.11. – p.112001. - Bibliogr.:87. <https://doi.org/10.1103/PhysRevD.101.112001>

1123. **Abe, K.** First Measurement of the Charged Current $\bar{\nu}_\mu$ Double Differential Cross Section on a Water Target without Pions in the Final State / K.Abe, B.Popov [et al.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.1. – p.012007. - Bibliogr.:53.
<https://doi.org/10.1103/PhysRevD.102.012007>
1124. **Abe, K.** Measurement of the Charged-Current Electron (Anti-)Neutrino Inclusive Cross-Sections at the T2K Off-Axis Near Detector ND280 / K.Abe, B.Popov [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.10. – p.114. - Bibliogr.:48.
[https://doi.org/10.1007/JHEP10\(2020\)114](https://doi.org/10.1007/JHEP10(2020)114)
1125. **Abe, K.** Measurement of the Muon Neutrino Charged-Current π^+ Production on Hydrocarbon Using the T2K Off-Axis Near Detector ND280 / K.Abe, B.Popov [et al.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.1. – p.012007. - Bibliogr.:66.
<https://doi.org/10.1103/PhysRevD.101.012007>
1126. **Abe, K.** Search for Electron Antineutrino Appearance in a Long-Baseline Muon Antineutrino Beam / K.Abe, B.Popov [et al.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.16. – p.161802. - Bibliogr.:28.
<https://doi.org/10.1103/PhysRevLett.124.161802>
1127. **Abe, K.** Simultaneous Measurement of the Muon Neutrino Charged-Current Cross Section on Oxygen and Carbon without Pions in the Final State at T2K / K.Abe, B.Popov [et al.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.11. – p.112004. - Bibliogr.:84.
<https://doi.org/10.1103/PhysRevD.101.112004>
1128. **Ablikim, M.** Observation of the Doubly Cabibbo-Suppressed Decay $D^+ \rightarrow K^+ \pi^+ \pi^0$ and Evidence for $D^+ \rightarrow K^+ \omega$ / M.Ablikim, O.Bakina, I.Boyko, G.Chelkov, D.Dedovich, I.Denysenko, A.Guskov, Y.Nefedov, A.Sarantsev, A.Zhemchugov [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.14. – p.141802. - Bibliogr.:43.
<https://doi.org/10.1103/PhysRevLett.125.141802>
1129. **Acero, M.A.** Adjusting Neutrino Interaction Models and Evaluating Uncertainties Using NOvA Near Detector Data / M.A.Acero, V.Allakhverdian, N.Anfimov, A.Antoshkin, N.Balashov, I.Kakorin, O.Klimov, L.Kolupaeva, Ch.Kullenberg, A.Morozova, A.Olshevskiy, O.Petrova, O.Samoylov, A.Sheshukov [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.12. – p.1119. - Bibliogr.:64.
<https://doi.org/10.1140/epjc/s10052-020-08577-5>
1130. **Acero, M.A.** Measurement of Neutrino-Induced Neutral-Current Coherent π^0 Production in the NOvA near Detector / M.A.Acero, V.Allakhverdian, N.Anfimov, A.Antoshkin, N.Balashov, A.Bolshakova, I.Kakorin, O.Klimov, L.Kolupaeva, Ch.Kullenberg, A.Olshevskiy, O.Petrova, O.Samoylov, A.Sheshukov [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.1. – p.012004. - Bibliogr.:48.
<https://doi.org/10.1103/PhysRevD.102.012004>

1131. **Acharya, A.** Measurements of π Production in ${}^7\text{Be} + {}^9\text{Be}$ Collisions at Beam Momenta from 19A to 150A GeV/c in the NA61/SHINE Experiment at the CERN SPS / A.Acharya, V.Babkin, M.Buryakov, A.Dmitriev, V.Golovatyuk, V.A.Kireyev, V.I.Kolesnikov, A.Krasnoperov, V.V.Lyubushkin, A.I.Malakhov, V.Matveev, G.L.Melkumov, B.A.Popov, M.Rumyantsev, V.Tereshchenko [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.10. – p.961. - Bibliogr.:42.
<https://doi.org/10.1140/epjc/s10052-020-08514-6>
1132. **Acharya, S.** (Anti-)deuteron Production in pp Collisions at $\sqrt{s}=13$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.9. – p.889. - Bibliogr.:36.
<https://doi.org/10.1140/epjc/s10052-020-8256-4>
1133. **Acharya, S.** Dielectron Production in Proton-Proton and Proton-Lead Collisions at $\sqrt{s_{NN}}=5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.5. – p.055204. - Bibliogr.:103.
<https://doi.org/10.1103/PhysRevC.102.055204>
1134. **Acharya, S.** Exploration of Jet Substructure Using Iterative Declustering in pp and Pb–Pb Collisions at LHC Energies / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.802. – p.135227. - Bibliogr.:55.
<https://doi.org/10.1016/j.physletb.2020.135227>
1135. **Acharya, S.** Investigation of the $p-\Sigma^0$ Interaction Via Femtoscopy in pp Collisions / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.805. – p.135419. - Bibliogr.:64.
<https://doi.org/10.1016/j.physletb.2020.135419>
1136. **Acharya, S.** $K^*(892)^0$ and $\phi(1020)$ Production at Midrapidity in pp Collisions at $\sqrt{s}=8$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.2. – p.024912. - Bibliogr.:45.
<https://doi.org/10.1103/PhysRevC.102.024912>
1137. **Acharya, S.** Measurement of $\Lambda(1520)$ Production in pp Collisions at $\sqrt{s}=7$ TeV and p-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.2. – p.160. - Bibliogr.:72.
<https://doi.org/10.1140/epjc/s10052-020-7687-2>
1138. **Acharya, S.** Measurement of Isolated Photon-Hadron Correlations in $\sqrt{s_{NN}}=5.02$ TeV pp and p-Pb Collisions / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.4. – p.044908. - Bibliogr.:39. - <https://doi.org/10.1103/PhysRevC.102.044908>

1139. **Acharya, S.** Measurements of Inclusive Jet Spectra in pp and Central Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.3. – p.034911. - Bibliogr.:85.
<https://doi.org/10.1103/PhysRevC.101.034911>
1140. **Acharya, S.** Multiplicity Dependence of (Multi-)Strange Hadron Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.2. – p.167. - Bibliogr.:52.
<https://doi.org/10.1140/epjc/s10052-020-7673-8>
1141. **Acharya, S.** Multiplicity Dependence of π , K, and p Production in pp Collisions at $\sqrt{s}=13$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.8. – p.693. - Bibliogr.:52.
<https://doi.org/10.1140/epjc/s10052-020-8125-1>
1142. **Acharya, S.** Multiplicity Dependence of Inclusive J/ψ Production at Midrapidity in pp Collisions at $\sqrt{s} = 13$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.810. – p.135758. - Bibliogr.:41.
<https://doi.org/10.1016/j.physletb.2020.135758>
1143. **Acharya, S.** Multiplicity Dependence of $K^*(892)^0$ and $\phi(1020)$ Production in pp Collisions at $\sqrt{s} = 13$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.807. – p.135501. - Bibliogr.:77.
<https://doi.org/10.1016/j.physletb.2020.135501>
1144. **Acharya, S.** Production of ω Mesons in pp Collisions at $\sqrt{s}=7$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.12. – p.1130. - Bibliogr.:47.
<https://doi.org/10.1140/epjc/s10052-020-08651-y>
1145. **Acharya, S.** Production of Charged Pions, Kaons, and (anti-)Protons in Pb-Pb and Inelastic pp Collisions at $\sqrt{s_{NN}}=5.02$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.4. – p.044907. - Bibliogr.:110.
<https://doi.org/10.1103/PhysRevC.101.044907>

1146. **Acharya, S.** Scattering Studies with Low-Energy Kaon-Proton Femtoscopy in Proton-Proton Collisions at the LHC / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.9. – p.092301. - Bibliogr.:56.

<https://doi.org/10.1103/PhysRevLett.124.092301>

1147. **Acharya, S.** Search for a Common Baryon Source in High-Multiplicity pp Collisions at the LHC / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.811. – p.135849. - Bibliogr.:80.

<https://doi.org/10.1016/j.physletb.2020.135849>

1148. **Acharya, S.** Underlying Event Properties in pp Collisions at $\sqrt{s}=13$ TeV / S.Acharya, B.Batyunya, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.4. – p.192. - Bibliogr.:54.

[https://doi.org/10.1007/JHEP04\(2020\)192](https://doi.org/10.1007/JHEP04(2020)192)

1149. **Acharya, S.** Unveiling the Strong Interaction Among Hadrons at the LHC / S.Acharya, B.Batyunya, C.Ceballos Sanchez, S.Grigoryan, A.Kondratyev, L.Malinina, K.Mikhaylov, P.Nomokonov, V.Pozdniakov, E.Rogochaya, B.Rumyantsev, A.Vodopyanov [et al.] // Nature. – 2020. – Vol.588, No.7837. – p.232-238. - Bibliogr.:49.

<https://doi.org/10.1038/s41586-020-3001-6>

1150. **Adam, J.** Measurement of Groomed Jet Substructure Observables in p+p Collisions at $\sqrt{s} = 200$ GeV with STAR / J.Adam, G.Agakishiev, A.Aparin, G.S.Averichev, N.Chankova-Bunzarova, T.G.Dedovich, J.Fedorisin, P.Filip, A.Kechechyan, R.Lednickiy, Y.Panebratsev, O.V.Rogachevskiy, E.Shahaliev, M.Tokarev, S.Vokal [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.811. – p.135846. - Bibliogr.:36.

<https://doi.org/10.1016/j.physletb.2020.135846>

1151. **Adam, J.** Measurement of Inclusive J/ψ Polarization in p+p Collisions at $\sqrt{s}=200$ GeV by the STAR Experiment / J.Adam, G.Agakishiev, A.Aparin, G.S.Averichev, N.Chankova-Bunzarova, T.G.Dedovich, J.Fedorisin, P.Filip, A.Kechechyan, R.Lednickiy, Y.Panebratsev, O.V.Rogachevskiy, E.Shahaliev, M.Tokarev, S.Vokal [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.9. – p.092009. - Bibliogr.:44.

<https://doi.org/10.1103/PhysRevD.102.092009>

1152. **Adam, J.** Results on Total and Elastic Cross Sections in Proton-Proton Collisions at $\sqrt{s} = 200$ GeV / J.Adam, G.Agakishiev, A.Aparin, G.S.Averichev, N.Chankova-Bunzarova, T.G.Dedovich, J.Fedorisin, P.Filip, A.Kechechyan, R.Lednickiy, Y.Panebratsev, O.V.Rogachevskiy, E.Shahaliev, M.Tokarev, S.Vokal [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.808. – p.135663. - Bibliogr.:28.

<https://doi.org/10.1016/j.physletb.2020.135663>

1153. **Adam, J.** Underlying Event Measurements in p+p Collisions at $\sqrt{s}=200$ GeV at RHIC / J.Adam, G.Agakishiev, A.Aparin, G.S.Averichev, N.Chankova-Bunzarova, D.Dedovich, J.Fedorisin, P.Filip, A.Kechechyan, R.Lednickiy, Y.Panebratsev, O.V.Rogachevskiy, E.Shahaliev, M.Tokarev, S.Vokal [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.5. – p.052004. - Bibliogr.:33.

<https://doi.org/10.1103/PhysRevD.101.052004>

1154. **Adamczewski-Musch, J.** Two-Pion Production in the Second Resonance Region in πp Collisions with the High-Acceptance Di-Electron Spectrometer (HADES) / J.Adamczewski-Musch, A.Belyaev, S.Chernenko, O.Fateev, A.Ierusalimov, A.Kurilkin, P.Kurilkin, V.Ladygin, Y.Zanevsky [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.2. – p.024001. - Bibliogr.:66.

<https://doi.org/10.1103/PhysRevC.102.024001>

1155. **Adams, J.** Measurement of the Central Exclusive Production of Charged Particle Pairs in Proton-Proton Collisions at $\sqrt{s}=200$ GeV with the STAR Detector at RHIC / J.Adams, G.Agakishiev, A.Aparin, G.S.Averichev, N.Chankova-Bunzarova, T.G.Dedovich, J.Fedorisin, P.Filip, A.Kechechyan, R.Lednický, Y.Panebratsev, O.V.Rogachevskiy, E.Shahaliev, M.Tokarev, S.Vokal [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.7. – p.178. - Bibliogr.:69.

[https://doi.org/10.1007/JHEP07\(2020\)178](https://doi.org/10.1007/JHEP07(2020)178)

1156. **Adamson, P.** Improved Constraints on Sterile Neutrino Mixing from Disappearance Searches in the MINOS, MINOS+, Daya Bay, and Bugey-3 Experiments / P.Adamson, A.Chukanov, D.Dolzhikov, M.Gonchar, D.Naumov, E.Naumova, A.Olshevskiy, K.Treskov [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.7. – p.071801. - Bibliogr.:59.

<https://doi.org/10.1103/PhysRevLett.125.071801>

1157. **Adlarson, P.** Corrigendum to "Isoscalar Single-Pion Production in the Region of Roper and d^* (2380) Resonances" [Phys. Lett. B 774 (2017) 599] / P.Adlarson, D.A.Kirillov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.806. – p.135555. - Bibliogr.:4.

<https://doi.org/10.1016/j.physletb.2020.135555>

1158. **Adlarson, P.** Search for η Mesic ^3He with the WASA-at-COSY Facility in the $pd \rightarrow ^3\text{He}2\gamma$ and $pd \rightarrow ^3\text{He}6\gamma$ Reactions / P.Adlarson, D.A.Kirillov, N.M.Piskunov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.802. – p.135205. - Bibliogr.:55.

<https://doi.org/10.1016/j.physletb.2020.135205>

1159. **Adolph, C.** Corrigendum to "Odd and Even Partial Waves of $\eta\pi^-$ and $\eta'\pi^-$ in $\pi p \rightarrow \eta^{(0)}\pi p$ at 191 GeV/c" [Phys. Lett. B 740 (2015) 303–311] / C.Adolph, R.Akhunzyanov, G.D.Alexeev, V.Anosov, A.Efremov, O.P.Gavrichtchouk, A.Guskov, A.Ivanov, Yu.Ivanshin, Yu.Kisselev, O.Kouznetsov, N.Kuchinski, Z.V.Kroumchtein, G.Meshcheryakov, A.Nagaytsev, A.G.Olshevsky, I.Orlov, D.V.Peshekhonov, N.S.Rossiyskaya, I.A.Savin, O.Yu.Shevchenko, M.Slunicka, E.Zemlyanichkina [a.o.] // Physics Letters B [Electronic resource]. – 2020. – Vol.811. – p.135913.

<https://doi.org/10.1016/j.physletb.2020.135913>

1160. **Adolph, C.** Erratum to: Azimuthal Asymmetries of Charged Hadrons Produced in High-Energy Muon Scattering off Longitudinally Polarised Deuterons [Eur. Phys. J. C (2018) 78:952] / C.Adolph, R.Akhunzyanov, G.D.Alexeev, N.V.Anfimov, V.Anosov, K.Augsten, A.Efremov, V.Frolov, O.P.Gavrichtchouk, A.Guskov, Yu.Ivanshin, Yu.Kisselev, O.M.Kouznetsov, Z.V.Kroumchtein, G.V.Meshcheryakov, E.Mitrofanov, N.Mitrofanov, A.Nagaytsev, A.G.Olshevsky, I.Orlov, D.V.Peshekhonov, N.S.Rossiyskaya, A.Rybnikov, I.A.Savin, A.Selyunin, M.Slunicka, J.Smolik, M.Tasevsky, P.Zavada, E.Zemlyanichkina, N.Zhuravlev [a.o.] // The European Physical Journal C [Electronic resource]. – 2021. – Vol.81, No.4. – p.298. - Bibliogr.:31.

<https://doi.org/10.1140/epjc/s10052-020-7762-8>

1161. **Aduszkiewicz, A.** K^* (892)⁰ Meson Production in Inelastic p + p Interactions at 158 GeV/c Beam Momentum Measured by NA61/SHINE at the CERN SPS / A.Aduszkiewicz, V.Babkin, M.Buryakov, A.Dmitriev, V.Golovatyuk, V.A.Kireyeu, V.I.Kolesnikov, A.Krasnoperov, V.V.Lyubushkin, A.I.Malakhov, V.Matveev, G.L.Melkumov, B.A.Popov, M.Rumyantsev, V.Tereshchenko [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.5. – p.460. - Bibliogr.:45.
<https://doi.org/10.1140/epjc/s10052-020-7955-1>
1162. **Aduszkiewicz, A.** Measurement of ϕ Meson Production in p + p Interactions at 40, 80 and 158 GeV/c with the NA61/SHINE Spectrometer at the CERN SPS / A.Aduszkiewicz, V.Babkin, M.Buryakov, A.Dmitriev, V.Golovatyuk, V.A.Kireyeu, V.I.Kolesnikov, A.Krasnoperov, V.V.Lyubushkin, A.I.Malakhov, V.Matveev, G.L.Melkumov, B.A.Popov, M.Rumyantsev, V.Tereshchenko [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.3. – p.199. - Bibliogr.:48.
<https://doi.org/10.1140/epjc/s10052-020-7675-6>
1163. **Aduszkiewicz, A.** Measurements of Ξ^- and $\bar{\Xi}^+$ Production in Proton-Proton Interactions at $\sqrt{s_{NN}}=17.3$ GeV in the NA61/SHINE Experiment / A.Aduszkiewicz, V.Babkin, M.Buryakov, A.Dmitriev, V.Golovatyuk, V.A.Kireyeu, V.I.Kolesnikov, A.Krasnoperov, V.V.Lyubushkin, A.I.Malakhov, V.Matveev, G.L.Melkumov, B.A.Popov, M.Rumyantsev, V.Tereshchenko [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.9. – p.833. - Bibliogr.:44.
<https://doi.org/10.1140/epjc/s10052-020-8381-0>
1164. **Aduszkiewicz, A.** Proton-Proton Interactions and Onset of Deconfinement / A.Aduszkiewicz, V.Babkin, M.Buryakov, A.Dmitriev, V.Golovatyuk, V.A.Kireyeu, V.I.Kolesnikov, A.Krasnoperov, V.V.Lyubushkin, A.I.Malakhov, V.A.Matveev, G.L.Melkumov, B.A.Popov, M.Rumyantsev, V.Tereshchenko [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.102, No.1. – p.011901(R). - Bibliogr.:49.
<https://doi.org/10.1103/PhysRevC.102.011901>
1165. **Aduszkiewicz, A.** Search for an Exotic $S=-2$, $Q=-2$ Baryon Resonance in Proton-Proton Interactions at $\sqrt{s_{NN}}=17.3$ GeV / A.Aduszkiewicz, V.Babkin, M.Buryakov, A.Dmitriev, V.Golovatyuk, V.A.Kireyeu, V.I.Kolesnikov, A.Krasnoperov, V.V.Lyubushkin, A.I.Malakhov, V.Matveev, G.L.Melkumov, B.A.Popov, M.Rumyantsev, V.Tereshchenko [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.5. – p.051101(R). - Bibliogr.:20.
<https://doi.org/10.1103/PhysRevD.101.051101>
1166. **Afanasyev, L.G.** Dimesoatom Breakup in the Coulomb Field / L.G.Afanasyev, S.R.Gevorkyan, O.O.Voskresenskaya // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.1. – p.10. - Bibliogr.:26.
<https://doi.org/10.1140/epja/s10050-019-00017-7>
1167. **Agafonova, N.** First Observation of a Tau Neutrino Charged Current Interaction with Charm Production in the OPERA Experiment / N.Agafonova, A.Chukanov, S.Dmitrievski, Y.Gornushkin, A.Sotnikov, S.Vasina [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.8. – p.699. - Bibliogr.:44.
<https://doi.org/10.1140/epjc/s10052-020-8160-y>

1168. **Agarwalla, S.K.** Constraints on Flavor-Diagonal Non-Standard Neutrino Interactions from Borexino Phase-II / S.K.Agarwalla, K.Fomenko, A.Formozov, M.Gromov, O.Smirnov, A.Sotnikov, A.Vishneva, O.Zaimidoroga [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.2. – p.038. - Bibliogr.:84.
[https://doi.org/10.1007/JHEP02\(2020\)038](https://doi.org/10.1007/JHEP02(2020)038)
1169. **Agostini, M.** Experimental Evidence of Neutrinos Produced in the CNO Fusion Cycle in the Sun / M.Agostini, A.Formozov, M.Gromov, O.Smirnov, A.Sotnikov, A.Vishneva [et al.] // Nature. – 2020. – Vol.587, No.7835. – p.577-582. - Bibliogr.:41.
<https://doi.org/10.1038/s41586-020-2934-0>
1170. **Agostini, M.** Sensitivity to Neutrinos from the Solar CNO Cycle in Borexino / M.Agostini, A.Formozov, M.Gromov, O.Smirnov, A.Sotnikov, A.Vishneva [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.11. – p.1091. - Bibliogr.:52.
<https://doi.org/10.1140/epjc/s10052-020-08534-2>
1171. **Akhunzyanov, R.** Corrigendum to “Transverse Extension of Partons in the Proton Probed in the Sea-Quark Range by Measuring the DVCS Cross Section” [Phys. Lett. B 793 (2019) 188] / R.Akhunzyanov, G.D.Alexeev, N.V.Anfimov, V.Anosov, A.Antoshkin, K.Augsten, A.Efremov, V.Frolov, O.P.Gavrichtchouk, A.Gridin, A.Guskov, Yu.Ivanshin, Yu.Kisselev, O.M.Kouznetsov, Z.V.Kroumchtein, G.V.Meshcheryakov, E.Mitrofanov, N.Mitrofanov, A.Nagaytsev, A.G.Olshevsky, I.Orlov, D.V.Peshekhonov, N.S.Rogacheva, A.Rybnikov, I.A.Savin, A.Selyunin, M.Slunicka, J.Smolik, M.Tasevsky, P.Zavada, E.Zemlyanichkina, N.Zhuravlev [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.800. – p.135129. - Bibliogr.:38.
<https://doi.org/10.1016/j.physletb.2019.135129>
1172. **Alexakhin, V.** CMS Experiment: Physics Overview / V.Alexakhin // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012032. - Bibliogr.:13.
<https://doi.org/10.1088/1742-6596/1435/1/012032>
1173. **Alexeev, M.G.** Measurement of the Cross Section for Hard Exclusive π^0 Muoproduction on the Proton / M.G.Alexeev, G.D.Alexeev, N.V.Anfimov, V.Anosov, A.Antoshkin, K.Augsten, A.Efremov, V.Frolov, O.P.Gavrichtchouk, A.Gridin, A.Guskov, Yu.Kisselev, O.M.Kouznetsov, Z.V.Kroumchtein, G.V.Meshcheryakov, E.Mitrofanov, N.Mitrofanov, A.Nagaytsev, A.G.Olshevsky, D.V.Peshekhonov, A.Rybnikov, I.A.Savin, A.Selyunin, M.Slunicka, J.Smolik, P.Zavada, E.Zemlyanichkina [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.805. – p.135454. - Bibliogr.:31.
<https://doi.org/10.1016/j.physletb.2020.135454>
1174. **Andreev, V.** Measurement of Exclusive $\pi^+\pi^-$ and ρ^0 Meson Photoproduction at HERA / V.Andreev, M.Kapichine, A.Morozov, V.Spaskov [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.12. – p.1189. - Bibliogr.:93.
<https://doi.org/10.1140/epjc/s10052-020-08587-3>
1175. **Andreev, V.** Measurement of Exclusive $\pi^+\pi^-$ and ρ^0 Meson Photoproduction at HERA / V.Andreev, M.Kapichine, A.Morozov, V.Spaskov [a.o.]. – Hamburg : DESY. – 74 p. – (DESY ; 20-080). - Bibliogr.:70.
<http://www-library.desy.de/cgi-bin/showprep.pl?DESY20-080>

1176. **Aoki, S.** DsTau: Study of Tau Neutrino Production with 400 GeV Protons from the CERN-SPS / S.Aoki, S.Dmitrievsky, Yu.Gornushkin, E.Sitnikova, S.Vasina [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.1. – p.033. - Bibliogr.:48.
[https://doi.org/10.1007/JHEP01\(2020\)033](https://doi.org/10.1007/JHEP01(2020)033)
1177. **Aoyama, T.** The Anomalous Magnetic Moment of the Muon in the Standard Model / T.Aoyama, A.E.Dorokhov, A.V.Nesterenko [et al.] // Physics Reports [Electronic resource]. – 2020. – Vol.887. – p.1-166. - Bibliogr.:824.
<https://doi.org/10.1016/j.physrep.2020.07.006>
1178. **Bagdasarian, Z.** Analytical Response Function for the Borexino Solar Neutrino Analysis / Z.Bagdasarian, X.Ding, A.Vishneva // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1342. – p.012105. - Bibliogr.:5.
<https://doi.org/10.1088/1742-6596/1342/1/012105>
1179. **Baldini, A.M.** Search for Lepton Flavour Violating Muon Decay Mediated by a New Light Particle in the MEG Experiment / A.M.Baldini, N.Khomutov, A.Kolesnikov, N.Kravchuk, N.A.Kuchinskiy, V.Malyshv, A.Rozhdestvensky [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.9. – p.858. - Bibliogr.:69.
<https://doi.org/10.1140/epjc/s10052-020-8364-1>
1180. **Banerjee, D.** Search for Axionlike and Scalar Particles with the NA64 Experiment / D.Banerjee, V.E.Burtsev, T.Enik, A.Feshchenko, V.N.Frolov, G.Kekelidze, V.A.Kramarenko, N.V.Krasnikov, V.Lysan, V.A.Matveev, D.V.Peshekhonov, P.V.Volkov [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.8. – p.081801. - Bibliogr.:60.
<https://doi.org/10.1103/PhysRevLett.125.081801>
1181. **Baranov, S.P.** χ_{e1} and χ_{e2} Polarization as a Probe of Color Octet Channel / S.P.Baranov, A.V.Lipatov // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.11. – p.1022. - Bibliogr.:61.
<https://doi.org/10.1140/epjc/s10052-020-08617-0>
1182. **Bilenky, S.M.** Corrigendum to "An Alternative Method of Determining the Neutrino Mass Ordering in Reactor Neutrino Experiments" [Phys. Lett. B 772 (2017) 179–183] / S.M.Bilenky, F.Capozzi, S.T.Petcov // Physics Letters B [Electronic resource]. – 2020. – Vol.809. – p.135765. - Bibliogr.:5.
<https://doi.org/10.1016/j.physletb.2020.135765>
1183. **Bilenky, S.M.** Neutrinos: Majorana or Dirac? : [Review] / S.M.Bilenky // Universe [Electronic resource]. – 2020. – Vol.6, No.9. – p.134. - Bibliogr.:54.
<https://doi.org/10.3390/universe6090134>
1184. **Blaschke, D.** Nonequilibrium Pion Distribution within the Zubarev Approach / D.Blaschke, G.Ropke, D.N.Voskresensky, V.G.Morozov // Particles [Electronic resource]. – 2020. – Vol.3, No.2. – p.380-393. - Bibliogr.:55.
<https://doi.org/10.3390/particles3020029>

1185. **Blondel, A.** Theory Report on the 11(th) FCC-ee Workshop, CERN, Geneva, 8-11 January 2019 / A.Blondel, A.B.Arbuzov, S.G.Bondarenko, Ya.V.Dydyshka, L.V.Kalinovskaya, L.A.Rumyantsev, R.R.Sadykov, V.L.Yermolchik [a.o.]. – Hamburg : DESY ; Geneva : CERN ; Burjassot : IFIC ; Madrid : IFT-UAM/CSIC ; Gif-sur-Yvette : IPhT ; Durham : IPPP ; Liverpool : LTH ; Munich : MPP ; Aachen : TTK ; Karlsruhe : TTP ; Garching : TUM ; Zurich : ZU-TH, 2019. – 278 p. – (DESY ; 19-072) (CERN-TH ; 2019-061) (IFIC ; 19-23) (IFT-UAM/CSIC ; 19-058) (IPhT ; 19-050) (IPPP ; 19/32) (LTH ; 1203) (MPP ; 2019-84) (TTK ; 19-19) (TTP ; 19-008) (TUM-HEP ; 1200/19) (ZU-TH ; 22/19). - Bibliogr.: 90.
<http://www-library.desy.de/cgi-bin/showprep.pl?DESY19-072>
1186. **Bogdanov, A.A.** Analytical Reconstruction of pp Elastic Scattering Amplitudes from the Complete Sets of Experiments at the SPASCHARM Facility at U70 / A.A.Bogdanov, V.A.Chetvertkova, V.P.Ladygin [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012084. - Bibliogr.:16.
<https://doi.org/10.1088/1742-6596/1690/1/012084>
1187. **Bogdanov, A.A.** Direct Reconstruction of the pp - Elastic Scattering Amplitudes at U70 / A.A.Bogdanov, V.P.Ladygin [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012044. - Bibliogr.:13.
<https://doi.org/10.1088/1742-6596/1435/1/012044>
1188. **Buhayevskaya, M.P.** NLO Radiative Corrections to the Drell-Yan Process at LHC Run3 / M.P.Buhayevskaya, V.A.Zygunov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012029. - Bibliogr.:10.
<https://doi.org/10.1088/1742-6596/1435/1/012029>
1189. **Bystritskiy, Yu.M.** Radiative Corrections in Proton-Antiproton Annihilation to Electron-Positron and Their Application to the PANDA Experiment : Radiative Corrections to $p\bar{p} \rightarrow e^+e^-$ / Yu.M.Bystritskiy, V.A.Zygunov [a.o.] // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.2. – p.58. - Bibliogr.:43.
<https://doi.org/10.1140/epja/s10050-020-00063-6>
1190. **Cortina Gil, E.** An Investigation of the Very Rare $K^+ \rightarrow \pi^+ \nu \bar{\nu}$ Decay / E.Cortina Gil, A.Baeva, D.Baigarshev, D.Emelyanov, T.Enik, V.Falaleev, V.Kekelidze, A.Korotkova, L.Litov, D.Madigozhin, M.Misheva, N.Molokanova, S.Movchan, I.Polenkevich, Yu.Potrebenikov, S.Shkarovskiy, A.Zinchenko [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.11. – p.042. - Bibliogr.:32.
[https://doi.org/10.1007/JHEP11\(2020\)042](https://doi.org/10.1007/JHEP11(2020)042)
1191. **Das, C.R.** Neutrino Mass and Singlet in BSM : [Abstract] / C.R.Das, T.J.Karckainen, K.Huitu // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – p.773.
http://www1.jinr.ru/Pepan/v-51-4/49_Das_ann.pdf
1192. **Denisenko, I.** Physics with Charmonia at the SPD Experiment / I.Denisenko // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012034. - Bibliogr.:25.
<https://doi.org/10.1088/1742-6596/1435/1/012034>
1193. **Deppisch, F.F.** Searching for New Physics in Two-Neutrino Double Beta Decay / F.F.Deppisch, L.Graf, F.Simkovic // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.17. – p.171801. - Bibliogr.:32. - <https://doi.org/10.1103/PhysRevLett.125.171801>

1194. **Ding, X.F.** Speeding up Complex Multivariate Data Analysis in Borexino with Parallel Computing Based on Graphics Processing Unite / X.F.Ding, A.Vishneva, O.Penek, S.Marcocci // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1342. – p.012115. - Bibliogr.:12.

<https://doi.org/10.1088/1742-6596/1342/1/012115>

1195. **Dorokhov, A.E.** Tensor Meson Contribution to the Lamb Shift and Hyperfine Splitting in Muonic Hydrogen / A.E.Dorokhov, A.P.Martynenko, F.A.Martynenko, A.E.Radzhabov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012004. - Bibliogr.:20.

<https://doi.org/10.1088/1742-6596/1435/1/012004>

1196. **Fischer, T.** Neutrino Signal from Proton-Neutron Star Evolution: Effects of Opacities from Charged-Current-Neutrino Interactions and Inverse Neutron Decay / T.Fischer, G.Guo, A.A.Dzhioev [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.2. – p.025804. - Bibliogr.:83.

<https://doi.org/10.1103/PhysRevC.101.025804>

1197. **Gil, E.C.** Search for Heavy Neutral Lepton Production in K^+ Decays to Positrons / E.C.Gil, A.Baeva, D.Baigarashev, D.Emelyanov, T.Enik, V.Falaleev, V.Kekelidze, A.Korotkova, L.Litov, D.Madigozhin, M.Misheva, N.Molokanova, S.Movchan, I.Polenkevich, Yu.Potrebenikov, S.Shkarovskiy, A.Zinchenko [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.807. – p.135599. - Bibliogr.:18.

<https://doi.org/10.1016/j.physletb.2020.135599>

1198. **Giunti, C.** Electromagnetic Interactions of Massive Neutrinos and Neutrino Oscillations / C.Giunti, A.I.Studenikin [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1342. – p.012118. - Bibliogr.:3.

<https://doi.org/10.1088/1742-6596/1342/1/012118>

1199. **Goloskokov, S.** Exclusive Processes and GPDs / S.Goloskokov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1435. – p.012008. - Bibliogr.:22.

<https://doi.org/10.1088/1742-6596/1435/1/012008>

1200. **Gridin, A.** Phenomenological Study for the Search of Evidence for Intrinsic Charm at the COMPASS Experiment : [Abstract] / A.Gridin, S.Groote, A.Guskov, S.Koshkarev // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №6. – p.780.

http://www1.jinr.ru/Pepan_letters/panl_2020_6/04_Gridin_ann.pdf

1201. **Grigoriev, A.** Spin Light of Neutrino in Neutron Star Matter / A.Grigoriev, A.Lokhov, A.Studenikin, A.Ternov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1342. – p.012119. - Bibliogr.:17.

<https://doi.org/10.1088/1742-6596/1342/1/012119>

1202. **Ichikawa, Y.** An Event Excess Observed in the Deeply Bound Region of the $^{12}\text{C}(K^-, p)$ Missing-Mass Spectrum / Y.Ichikawa, P.Evtoukhovitch, Z.Tsamalaidze [et al.] // Progress of Theoretical and Experimental Physics [Electronic resource]. – 2020. – Vol.2020, No.12. – p.123D01. - Bibliogr.:65.

<https://doi.org/10.1093/ptep/ptaa139>

1203. **Kakorin, I.D.** A Unified Empirical Model for Quasielastic Interactions of Neutrino and Antineutrino with Nuclei : [Abstract] / I.D.Kakorin, K.S.Kuzmin, V.A.Naumov // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №3. – p.251.
http://www1.jinr.ru/Pepan_letters/panl_2020_3/01_Kakorin_ann.pdf
1204. **Kaptari, L.P.** Mass Spectrum of Pseudo-Scalar Glueballs from a Bethe–Salpeter Approach with the Rainbow–Ladder Truncation / L.P.Kaptari, B.Kampfer // Few-Body Systems. – 2020. – Vol.61, No.3. – p.28. - Bibliogr.:70.
<https://doi.org/10.1007/s00601-020-01562-4>
1205. **Khatun, A.** Three Flavor Quasi-Dirac Neutrino Mixing, Oscillations and Neutrinoless Double Beta Decay / A.Khatun, A.Smetana, F.Simkovic // Symmetry [Electronic resource]. – 2020. – Vol.12, No.8. – p.1310. - Bibliogr.:22.
<https://doi.org/10.3390/sym12081310>
1206. **Kireyev, V.** Hadron Production in Elementary Nucleon-Nucleon Reactions from Low to Ultra-Relativistic Energies / V.Kireyev, V.Kolesnikov, V.Voronyuk [a.o.] // The European Physical Journal A [Electronic resource]. – 2020. – Vol.56, No.9. – p.223. - Bibliogr.:70.
<https://doi.org/10.1140/epja/s10050-020-00232-7>
1207. **Kolesnikov, V.** A New Review of Excitation Functions of Hadron Production in pp Collisions in the NICA Energy Range : [Abstract] / V.Kolesnikov, V.Kireyev, V.Lenivenko, A.Mudrokh, K.Shtejer, D.Zinchenko, E.Bratkovskaya // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №2. – p.121.
http://www1.jinr.ru/Pepan_letters/panl_2020_2/06_Kolesnikov_ann.pdf
1208. **Kouzakov, K.A.** Electromagnetic Interactions of Neutrinos in Processes of Low-Energy Elastic Neutrino-Electron Scattering / K.A.Kouzakov, A.Studenikin // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1342. – p.012120. - Bibliogr.:17.
<https://doi.org/10.1088/1742-6596/1342/1/012120>
1209. **Lukyanov, K.V.** Pion-Nucleus Elastic Scattering Studies within the Microscopic Folding Potential / K.V.Lukyanov, V.K.Lukyanov, E.V.Zemlyanaya, I.Abdulmagead // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1555. – p.012018. - Bibliogr.:14.
<https://doi.org/10.1088/1742-6596/1555/1/012018>
1210. **Lyubushkina, T.** ATLAS Results on Quarkonia and Heavy Flavor Production / T.Lyubushkina // International Journal of Modern Physics A [Electronic resource]. – 2020. – Vol.35, No.34/35. – p.2044003. - Bibliogr.:12. - <https://doi.org/10.1142/S0217751X20440030>
1211. **Miwa, K.** Study of ΣN Interaction from the Σp Scattering Experiment at J-PARC / K.Miwa, P.Evtoukhovitch, Z.Tsamalaidze [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1643. – p.012174. - Bibliogr.:10.
<https://doi.org/10.1088/1742-6596/1643/1/012174>
1212. **Molokanova, N.** Latest Results on Rare Kaon Decays from the NA48/2 Experiment @CERN / N.Molokanova, S.Balev, P.L.Frabetti, E.Gersabeck, E.Goudzovski, P.Hristov, V.Kekelidze, V.Kozhuharov, L.Litov, D.Madigozhin, I.Polenkevich, Yu.Potrebenikov, S.Stoynev, A.Zinchenko [et al.] // International Journal of Modern Physics A [Electronic resource]. – 2020. – Vol.35, No.36. – p.2044019. - Bibliogr.:24.
<https://doi.org/10.1142/S0217751X20440194>

1213. **Naumov, D.V.** Rephasing Invariant for Three-Neutrino Oscillations Governed by a Non-Hermitian Hamiltonian / D.V.Naumov, V.A.Naumov, D.S.Shkirmanov // *Symmetry* [Electronic resource]. – 2020. – Vol.12, No.8. – p.1285. - Bibliogr.:101.

<https://doi.org/10.3390/sym12081285>

1214. **Nefedov, M.A.** High-Energy Factorization for the Drell-Yan Process in pp and pp Collisions with New Unintegrated PDFs / M.A.Nefedov, V.A.Saleev // *Physical Review D* [Electronic resource]. – 2020. – Vol.102, No.11. – p.114018. - Bibliogr.:75.

<https://doi.org/10.1103/PhysRevD.102.114018>

1215. **Pankov, A.A.** High-Precision Limits on W-W' and Z-Z' Mixing from Diboson Production Using the Full LHC Run 2 ATLAS Data Set / A.A.Pankov, P.Osland, I.A.Serenkova, V.A.Bednyakov // *The European Physical Journal C* [Electronic resource]. – 2020. – Vol.80, No.6. – p.503. - Bibliogr.:56.

<https://doi.org/10.1140/epjc/s10052-020-8075-7>

1216. **Popov, A.** Neutrino Spin Precession and Oscillations in Transversal Matter Currents / A.Popov, P.Pustoshny, A.Studenikin // *Journal of Physics: Conference Series* [Electronic resource]. – 2020. – Vol.1342. – p.012126. - Bibliogr.:15.

<https://doi.org/10.1088/1742-6596/1342/1/012126>

1217. **Prokhorov, A.A.** Revisiting the Production of J/ψ Pairs at the LHC / A.A.Prokhorov, A.V.Lipatov, M.A.Malyshev, S.P.Baranov // *The European Physical Journal C* [Electronic resource]. – 2020. – Vol.80, No.11. – p.1046. - Bibliogr.:81.

<https://doi.org/10.1140/epjc/s10052-020-08631-2>

1218. **Sabirov, B.M.** Nuclear Gamma Radiation Caused by a Muon at Rest in ^{152}Sm : [Abstract] / B.M.Sabirov, V.M.Abazov, S.A.Kutuzov, G.E.Solyakin // *Физика элементарных частиц и атомного ядра*. – 2020. – Т.51, №6. – с.1304.

http://www1.jinr.ru/Pepan/v-51-6/02_Sabirov_ann_tex.pdf

1219. **Selyugin, O.V.** Electromagnetic and Gravitomagnetic Structure of Pions and Pion-Nucleon Scattering / O.V.Selyugin // *Journal of Physics: Conference Series* [Electronic resource]. – 2020. – Vol.1435. – p.012025. - Bibliogr.:18.

<https://doi.org/10.1088/1742-6596/1435/1/012025>

1220. **Sheshukov, A.** GenieSNova: a Tool for Simulation of the Supernova Neutrino Interactions / A.Sheshukov, M.Petropavlova, A.T.Habig, J.Vasel // VIII International Pontecorvo Neutrino Physics School, Sinaia, Romania, Sept.1-10, 2019 : Proceedings of Student Poster Session / International Pontecorvo Neutrino Physics School (8; 2019; Sinaia) ; Ed.: F.Simkovic. – Dubna : JINR, 2020. – p.122-127. – (JINR ; E1,2,4-2020-16).

1221. **Simkovic, F.** Muon Capture Rates: Evaluation within the Quasiparticle Random Phase Approximation / F.Simkovic, R.Dvornicky, P.Vogel // *Physical Review C* [Electronic resource]. – 2020. – Vol.102, No.3. – p.034301. - Bibliogr.:33.

<https://doi.org/10.1103/PhysRevC.102.034301>

1222. **Simkovic, F.** Neutrinoless Double Beta Decay Theory / F.Simkovic // *Journal of Physics: Conference Series* [Electronic resource]. – 2020. – Vol.1468. – p.012143. - Bibliogr.:26.

<https://doi.org/10.1088/1742-6596/1468/1/012143>

1223. **Sirunyan, A.M.** A Measurement of the Higgs Boson Mass in the Diphoton Decay Channel / A.M.Sirunyan, S.Afnasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.805. – p.135425. - Bibliogr.:25.

<https://doi.org/10.1016/j.physletb.2020.135425>

1224. **Sirunyan, A.M.** A Multi-Dimensional Search for New Heavy Resonances Decaying to Boosted WW, WZ, or ZZ Boson Pairs in the Dijet Final State at 13 TeV / A.M.Sirunyan, P.Bunin, M.Finger, M.Finger Jr., I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, Z.Tsamalaidze, A.Zarubin [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.3. – p.237. - Bibliogr.:83.

<https://doi.org/10.1140/epjc/s10052-020-7773-5>

1225. **Sirunyan, A.M.** A Search for the Standard Model Higgs Boson Decaying to Charm Quarks / A.M.Sirunyan, S.Afnasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.3. – p.131. - Bibliogr.:99.

[https://doi.org/10.1007/JHEP03\(2020\)131](https://doi.org/10.1007/JHEP03(2020)131)

1226. **Sirunyan, A.M.** Bose-Einstein Correlations of Charged Hadrons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afnasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, N.Voytishin, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.3. – p.014. - Bibliogr.:70.

[https://doi.org/10.1007/JHEP03\(2020\)014](https://doi.org/10.1007/JHEP03(2020)014)

1227. **Sirunyan, A.M.** Combined Search for Supersymmetry with Photons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV / A.M.Sirunyan, A.Baginyan, P.Bunin, M.Finger, M.Finger Jr., A.Golunov, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, V.Korenkov, G.Kozlov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, Z.Tsamalaidze, N.Voytishin, A.Zarubin [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.801. – p.135183. - Bibliogr.:54.

<https://doi.org/10.1016/j.physletb.2019.135183>

1228. **Sirunyan, A.M.** Constraints on the χ_{c1} Versus χ_{c2} Polarizations in Proton-Proton Collisions at $\sqrt{s}=8$ TeV / A.M.Sirunyan, S.Afnasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.16. – p.162002. - Bibliogr.:59.

<https://doi.org/10.1103/PhysRevLett.124.162002>

1229. **Sirunyan, A.M.** Dependence of Inclusive Jet Production on the Anti- k_T Distance Parameter in pp Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, V.Alexakhin, Y.Ershov, M.Finger, M.Finger Jr., I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, B.S.Yuldashev, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.12. – p.082. - Bibliogr.:65. [https://doi.org/10.1007/JHEP12\(2020\)082](https://doi.org/10.1007/JHEP12(2020)082)

1230. **Sirunyan, A.M.** Determination of the Strong Coupling Constant $\alpha_s(m_Z)$ from Measurements of Inclusive W^\pm and Z Boson Production Cross Sections in Proton-Proton Collisions at $\sqrt{s}=7$ and 8 TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.6. – p.018. - Bibliogr.:28. [https://doi.org/10.1007/JHEP06\(2020\)018](https://doi.org/10.1007/JHEP06(2020)018)

1231. **Sirunyan, A.M.** Erratum to: Study of Dijet Events with a Large Rapidity Gap Between the Two Leading Jets in pp Collisions at $\sqrt{s}=7$ TeV [Eur Phys J C (2018) 78:242] / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavin, A.Lanev, A.Malakhov, V.Matveev, V.Palichik, V.Perelygin, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // The European Physical Journal C [Electronic resource]. – 2021. – Vol.81, No.5. – p.441. - Bibliogr.:56. <https://doi.org/10.1140/epjc/s10052-020-7762-8>

1232. **Sirunyan, A.M.** Evidence for WW Production from Double-Parton Interactions in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, Y.Ershov, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, N.Gorbounov, I.Gorbunov, V.Karjavine, V.Korenkov, G.Kozlov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, V.Trofimov, Z.Tsamalaidze, B.S.Yuldashev, A.Zarubin [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.1. – p.41. - Bibliogr.:68. <https://doi.org/10.1140/epjc/s10052-019-7541-6>

1233. **Sirunyan, A.M.** Inclusive Search for Highly Boosted Higgs Bosons Decaying to Bottom Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, D.Seitova, V.Shalaev, S.Shmatov, S.Shulha, V.Smirnov, O.Teryaev, Z.Tsamalaidze, N.Voytishin, A.Zarubin, I.Zhizhin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.12. – p.085. - Bibliogr.:105. [https://doi.org/10.1007/JHEP12\(2020\)085](https://doi.org/10.1007/JHEP12(2020)085)

1234. **Sirunyan, A.M.** Investigation into the Event-Activity Dependence of $\Upsilon(nS)$ Relative Production in Proton-Proton Collisions at $\sqrt{s}=7$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.11. – p.001. - Bibliogr.:49. [https://doi.org/10.1007/JHEP11\(2020\)001](https://doi.org/10.1007/JHEP11(2020)001)

1235. **Sirunyan, A.M.** Measurement of $B_c(2S)^+$ and $B_c^*(2S)^+$ Cross Section Ratios in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, D.Seitova, V.Shalaev, S.Shmatov, S.Shulha, V.Smirnov, O.Teryaev, Z.Tsamalaidze, N.Voytishin, A.Zarubin, I.Zhizhin [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.9. – p.092007. - Bibliogr.:28. <https://doi.org/10.1103/PhysRevD.102.092007>

1236. **Sirunyan, A.M.** Measurement of CKM Matrix Elements in Single Top Quark t-Channel Production in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV / A.M.Sirunyan, V.Alexakhin, P.Bunin, Y.Ershov, M.Finger, M.Finger Jr., I.Golutvin, N.Gorbounov, I.Gorunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, B.S.Yuldashev, A.Zarubin [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.808. – p.135609. - Bibliogr.:70. <https://doi.org/10.1016/j.physletb.2020.135609>

1237. **Sirunyan, A.M.** Measurement of Differential Cross Sections and Charge Ratios for t-Channel Single Top Quark Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.5. – p.370. - Bibliogr.:72. <https://doi.org/10.1140/epjc/s10052-020-7858-1>

1238. **Sirunyan, A.M.** Measurement of Electroweak Production of a W Boson in Association with Two Jets in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, N.Voytishin, A.Zarubin [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.1. – p.43. - Bibliogr.:82. <https://doi.org/10.1140/epjc/s10052-019-7585-7>

1239. **Sirunyan, A.M.** Measurement of Properties of $B^0_s \rightarrow \mu^+ \mu^-$ Decays and Search for $B^0 \rightarrow \mu^+ \mu^-$ with the CMS Experiment / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.4. – p.188. - Bibliogr.:48. [https://doi.org/10.1007/JHEP04\(2020\)188](https://doi.org/10.1007/JHEP04(2020)188)

1240. **Sirunyan, A.M.** Measurement of Single-Diffractive Dijet Production in Proton-Proton Collisions at $\sqrt{s}=8$ TeV with the CMS and TOTEM Experiments / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.12. – p.1164. - Bibliogr.:44. <https://doi.org/10.1140/epjc/s10052-020-08562-y>

1241. **Sirunyan, A.M.** Measurement of Top Quark Pair Production in Association with a Z Boson in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, A.Kamenev, V.Karjavine, I.Kashunin, V.Korenkov, G.Kozlov, A.Lanev, A.Malakhov, V.Matveev, V.V.Mitsyn, P.Moisenz, V.Palichik, V.Perelygin, S.Shmatov, Z.Tsamalaidze, N.Voytishin, B.S.Yuldashev, A.Zarubin, V.Zhiltsov [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.3. – p.056. - Bibliogr.:90. [https://doi.org/10.1007/JHEP03\(2020\)056](https://doi.org/10.1007/JHEP03(2020)056)

1242. **Sirunyan, A.M.** Measurement of the Associated Production of a Z Boson with Charm or Bottom Quark Jets in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afnasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.3. – p.032007. - Bibliogr.:56. <https://doi.org/10.1103/PhysRevD.102.032007>

1243. **Sirunyan, A.M.** Measurement of the Cross Section for Electroweak Production of a Z Boson, a Photon and Two Jets in Proton-Proton Collisions at $\sqrt{s}=13$ TeV and Constraints on Anomalous Quartic Couplings / A.M.Sirunyan, S.Afnasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, N.Voytishin, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.6. – p.076. - Bibliogr.:50. [https://doi.org/10.1007/JHEP06\(2020\)076](https://doi.org/10.1007/JHEP06(2020)076)

1244. **Sirunyan, A.M.** Measurement of the Cross Section for $t\bar{t}$ Production with Additional Jets and b Jets in pp Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afnasiev, V.Alexakhin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Gorbunov, A.Kamenev, V.Karjavine, V.Korenkov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, Z.Tsamalaidze, N.Voytishin, B.S.Yuldashev, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.7. – p.125. - Bibliogr.:67. [https://doi.org/10.1007/JHEP07\(2020\)125](https://doi.org/10.1007/JHEP07(2020)125)

1245. **Sirunyan, A.M.** Measurement of the Jet Mass Distribution and Top Quark Mass in Hadronic Decays of Boosted Top Quarks in pp Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afnasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, N.Voytishin, A.Zarubin [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.20. – p.202001. - Bibliogr.:88. <https://doi.org/10.1103/PhysRevLett.124.202001>

1246. **Sirunyan, A.M.** Measurement of the Single Top Quark and Antiquark Production Cross Sections in the t Channel and Their Ratio in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afnasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.800. – p.135042. - Bibliogr.:71. <https://doi.org/10.1016/j.physletb.2019.135042>

1247. **Sirunyan, A.M.** Measurement of the Top Quark Forward-Backward Production Asymmetry and the Anomalous Chromoelectric and Chromomagnetic Moments in pp Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.6. – p.146. - Bibliogr.:50.
[https://doi.org/10.1007/JHEP06\(2020\)146](https://doi.org/10.1007/JHEP06(2020)146)

1248. **Sirunyan, A.M.** Measurement of the Top Quark Pair Production Cross Section in Dilepton Final States Containing One τ Lepton in pp Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.2. – p.191. - Bibliogr.:66.
[https://doi.org/10.1007/JHEP02\(2020\)191](https://doi.org/10.1007/JHEP02(2020)191)

1249. **Sirunyan, A.M.** Measurement of the Top Quark Yukawa Coupling from $t\bar{t}$ Kinematic Distributions in the Dilepton Final State in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, V.Alexakhin, P.Bunin, M.Finger, M.Finger Jr., Y.Ershov, I.Golutvin, I.Gorbunov, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, V.V.Mitsyn, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, V.Shalaev, S.Shmatov, V.Smirnov, Z.Tsamalaidze, O.Teryaev, V.Trofimov, N.Voytishin, B.S.Yuldashev, A.Zarubin, I.Zhizhin [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.9. – p.092013. - Bibliogr.:63.
<https://doi.org/10.1103/PhysRevD.102.092013>

1250. **Sirunyan, A.M.** Measurement of the $Y(1S)$ Pair Production Cross Section and Search for Resonances Decaying to $Y(1S)\mu^+\mu^-$ in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.808. – p.135578. - Bibliogr.:44.
<https://doi.org/10.1016/j.physletb.2020.135578>

1251. **Sirunyan, A.M.** Measurement of the $t\bar{t}b\bar{b}$ Production Cross Section in the All-Jet Final State in pp Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, V.Alexakhin, P.Bunin, Y.Ershov, M.Finger, M.Finger Jr., I.Golutvin, A.Kamenev, V.Karjavine, I.Kashunin, G.Kozlov, A.Lanev, A.Malakhov, V.Matveev, V.V.Mitsyn, P.Moisenz, V.Palichik, V.Perelygin, S.Shmatov, O.Teryaev, Z.Tsamalaidze, N.Voytishin, B.S.Yuldashev, A.Zarubin [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.803. – p.135285. - Bibliogr.:64.
<https://doi.org/10.1016/j.physletb.2020.135285>

1252. **Sirunyan, A.M.** Measurement of $t\bar{t}$ Normalised Multi-Differential Cross Sections in pp Collisions at $\sqrt{s}=13$ TeV, and Simultaneous Determination of the Strong Coupling Strength, Top Quark Pole Mass, and Parton Distribution Functions / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [et al.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.7. – p.658. - Bibliogr.:120.

<https://doi.org/10.1140/epjc/s10052-020-7917-7>

1253. **Sirunyan, A.M.** Measurements of Production Cross Sections of WZ and Same-Sign WW Boson Pairs in Association with Two Jets in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, D.Seitova, V.Shalaev, S.Shmatov, S.Shulha, V.Smirnov, O.Teryaev, Z.Tsamalaidze, N.Voytishin, A.Zarubin, I.Zhizhin [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.809. – p.135710. - Bibliogr.:81.

<https://doi.org/10.1016/j.physletb.2020.135710>

1254. **Sirunyan, A.M.** Measurements of the W Boson Rapidity, Helicity, Double-Differential Cross Sections, and Charge Asymmetry in pp Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasiev, V.Alexakhin, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, A.Golunov, I.Golutvin, N.Gorbounov, I.Gorbunov, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, Z.Tsamalaidze, O.Teryaev, B.S.Yuldashev, A.Zarubin [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.9. – p.092012. - Bibliogr.:64.

<https://doi.org/10.1103/PhysRevD.102.092012>

1255. **Sirunyan, A.M.** Measurements of $t\bar{t}H$ Production and the CP Structure of the Yukawa Interaction Between the Higgs Boson and Top Quark in the Diphoton Decay Channel / A.M.Sirunyan, S.Afanasiev, V.Alexakhin, P.Bunin, Y.Ershov, M.Finger, M.Finger Jr., A.Golunov, I.Golutvin, N.Gorbounov, I.Gorbunov, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.6. – p.061801. - Bibliogr.:60.

<https://doi.org/10.1103/PhysRevLett.125.061801>

1256. **Sirunyan, A.M.** Observation of Electroweak Production of $W\gamma$ with Two Jets in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, D.Seitova, V.Shalaev, S.Shmatov, S.Shulha, V.Smirnov, O.Teryaev, Z.Tsamalaidze, N.Voytishin, A.Zarubin, I.Zhizhin [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.811. – p.135988. - Bibliogr.:50.

<https://doi.org/10.1016/j.physletb.2020.135988>

1257. **Sirunyan, A.M.** Observation of the $\Lambda^0_b \rightarrow J/\psi \Lambda \phi$ Decay in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV / A.M.Sirunyan, S.Afnasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.802. – p.135203. - Bibliogr.:48.
<https://doi.org/10.1016/j.physletb.2020.135203>
1258. **Sirunyan, A.M.** Observation of the $B^0_s \rightarrow X(3872)\phi$ Decay / A.M.Sirunyan, S.Afnasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, D.Seitova, V.Shalaev, S.Shmatov, S.Shulha, V.Smirnov, O.Teryaev, Z.Tsamalaidze, N.Voytishin, A.Zarubin, I.Zhizhin [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.15. – p.152001. - Bibliogr.:36.
<https://doi.org/10.1103/PhysRevLett.125.152001>
1259. **Sirunyan, A.M.** Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afnasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, D.Seitova, V.Shalaev, S.Shmatov, S.Shulha, V.Smirnov, O.Teryaev, Z.Tsamalaidze, N.Voytishin, A.Zarubin, I.Zhizhin [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.125, No.15. – p.151802. - Bibliogr.:62.
<https://doi.org/10.1103/PhysRevLett.125.151802>
1260. **Sirunyan, A.M.** Production of $\Lambda^+ c$ Baryons in Proton-Proton and Lead-Lead Collisions at $\sqrt{s_{NN}} = 5.02$ TeV / A.M.Sirunyan, M.Finger, M.Finger Jr., M.Gavrilenko, A.Golunov, I.Golutvin, N.Gorbounov, A.Kamenev, V.Karjavine, A.Khvedelidze, V.Korenkov, G.Kozlov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, S.Shmatov, S.Shulha, Z.Tsamalaidze, N.Voytishin, B.S.Yuldashev, A.Zarubin, V.Zhiltsov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.803. – p.135328. - Bibliogr.:46.
<https://doi.org/10.1016/j.physletb.2020.135328>
1261. **Sirunyan, A.M.** Running of the Top Quark Mass from Proton-Proton Collisions at $\sqrt{s} = 13$ TeV / A.M.Sirunyan, S.Afnasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.803. – p.135263. - Bibliogr.:57.
<https://doi.org/10.1016/j.physletb.2020.135263>
1262. **Sirunyan, A.M.** Search for Bottom-Type, Vectorlike Quark Pair Production in a Fully Hadronic Final State in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afnasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, V.Palichik, V.Perelygin, M.Savina, D.Seitova, V.Shalaev, S.Shmatov, S.Shulha, V.Smirnov, O.Teryaev, Z.Tsamalaidze, N.Voytishin, A.Zarubin, I.Zhizhin [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.11. – p.112004. - Bibliogr.:54.
<https://doi.org/10.1103/PhysRevD.102.112004>

1263. **Sirunyan, A.M.** Search for Charged Higgs Bosons Decaying into a Top and a Bottom Quark in the All-Jet Final State of pp Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shatov, S.Shulha, N.Skatchkov, I.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.7. – p.126. - Bibliogr.:123.
[https://doi.org/10.1007/JHEP07\(2020\)126](https://doi.org/10.1007/JHEP07(2020)126)

1264. **Sirunyan, A.M.** Search for Dark Matter Particles Produced in Association with a Higgs Boson in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, V.Alexakhin, P.Bunin, Y.Ershov, M.Finger, M.Finger Jr., I.Golutvin, N.Gorbounov, A.Kamenev, V.Karjavine, A.Khvedelidze, V.Korenkov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shatov, S.Shulha, Z.Tsamalaidze, N.Voytishin, B.S.Yuldashev, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.3. – p.025. - Bibliogr.:102.
[https://doi.org/10.1007/JHEP03\(2020\)025](https://doi.org/10.1007/JHEP03(2020)025)

1265. **Sirunyan, A.M.** Search for Decays of the 125 GeV Higgs Boson into a Z Boson and a ρ or ϕ Meson / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, D.Seitova, V.Shalaev, S.Shatov, S.Shulha, V.Smirnov, Z.Tsamalaidze, O.Teryaev, N.Voytishin, A.Zarubin, I.Zhizhin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.11. – p.039. - Bibliogr.:76.
[https://doi.org/10.1007/JHEP11\(2020\)039](https://doi.org/10.1007/JHEP11(2020)039)

1266. **Sirunyan, A.M.** Search for Dijet Resonances Using Events with Three Jets in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.805. – p.135448. - Bibliogr.:89.
<https://doi.org/10.1016/j.physletb.2020.135448>

1267. **Sirunyan, A.M.** Search for Direct Pair Production of Supersymmetric Partners to the τ Lepton in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, V.Alexakhin, A.Baginyan, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, V.Korenkov, A.Lanev, A.Malakhov, V.Matveev, V.V.Mitsyn, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shatov, S.Shulha, V.Trofimov, Z.Tsamalaidze, A.Zarubin [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.2. – p.189. - Bibliogr.:78.
<https://doi.org/10.1140/epjc/s10052-020-7739-7>

1268. **Sirunyan, A.M.** Search for Direct Top Squark Pair Production in Events with One Lepton, Jets, and Missing Transverse Momentum at 13 TeV with the CMS Experiment / A.M.Sirunyan, S.Afanasyev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.5. – p.032. - Bibliogr.:98.
[https://doi.org/10.1007/JHEP05\(2020\)032](https://doi.org/10.1007/JHEP05(2020)032)
1269. **Sirunyan, A.M.** Search for Disappearing Tracks in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV / A.M.Sirunyan, P.Bunin, Y.Ershov, M.Finger, M.Finger Jr., I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, V.Korenkov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, V.Smirnov, O.Teryaev, Z.Tsamalaidze, B.S.Yuldashev, A.Zarubin [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.806. – p.135502. - Bibliogr.:56.
<https://doi.org/10.1016/j.physletb.2020.135502>
1270. **Sirunyan, A.M.** Search for Electroweak Production of a Vector-Like T Quark Using Fully Hadronic Final States / A.M.Sirunyan, V.Alexakhin, M.Finger, M.Finger Jr., M.Gavrilenko, A.Golunov, I.Golutvin, N.Gorbounov, I.Gorbunov, V.Karjavine, V.Korenkov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, Z.Tsamalaidze, N.Voytishin, B.S.Yuldashev, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.1. – p.036. - Bibliogr.:70.
[https://doi.org/10.1007/JHEP01\(2020\)036](https://doi.org/10.1007/JHEP01(2020)036)
1271. **Sirunyan, A.M.** Search for Heavy Higgs Bosons Decaying to a Top Quark Pair in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, V.Alexakhin, Y.Ershov, M.Finger, M.Finger Jr., M.Gavrilenko, A.Golunov, I.Golutvin, N.Gorbounov, I.Gorbunov, V.Karjavine, A.Khvedelidze, V.Korenkov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, Z.Tsamalaidze, B.S.Yuldashev, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.4. – p.171. - Bibliogr.:48.
[https://doi.org/10.1007/JHEP04\(2020\)171](https://doi.org/10.1007/JHEP04(2020)171)
1272. **Sirunyan, A.M.** Search for High Mass Dijet Resonances with a New Background Prediction Method in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasyev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.5. – p.033. - Bibliogr.:65.
[https://doi.org/10.1007/JHEP05\(2020\)033](https://doi.org/10.1007/JHEP05(2020)033)
1273. **Sirunyan, A.M.** Search for Lepton Flavour Violating Decays of a Neutral Heavy Higgs Boson to $\mu\tau$ and $e\tau$ in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, A.Baginyan, Y.Ershov, M.Finger, M.Finger Jr., M.Gavrilenko, A.Golunov, I.Golutvin, N.Gorbounov, I.Gorbunov, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, V.V.Mitsyn, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.3. – p.103. - Bibliogr.:86.
[https://doi.org/10.1007/JHEP03\(2020\)103](https://doi.org/10.1007/JHEP03(2020)103)

1274. **Sirunyan, A.M.** Search for Light Pseudoscalar Boson Pairs Produced from Decays of the 125 GeV Higgs Boson in Final States with Two Muons and Two Nearby Tracks in pp Collisions at $\sqrt{s} = 13$ TeV / A.M.Sirunyan, V.Alexakhin, P.Bunin, M.Finger, M.Finger Jr., I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, I.Kashunin, A.Khvedelidze, V.Korenkov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, S.Shmatov, S.Shulha, Z.Tsamalaidze, N.Voytishin, B.S.Yuldashev, A.Zarubin [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.800. – p.135087. - Bibliogr.:68.
<https://doi.org/10.1016/j.physletb.2019.135087>

1275. **Sirunyan, A.M.** Search for New Neutral Higgs Bosons Through the $H \rightarrow ZA \rightarrow l^+ l^- b \bar{b}$ Process in pp Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, V.Alexakhin, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, I.Kashunin, A.Khvedelidze, V.Korenkov, A.Lanev, A.Malakhov, V.A.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, Z.Tsamalaidze, N.Voytishin, B.S.Yuldashev, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.3. – p.055. - Bibliogr.:55.
[https://doi.org/10.1007/JHEP03\(2020\)055](https://doi.org/10.1007/JHEP03(2020)055)

1276. **Sirunyan, A.M.** Search for Physics Beyond the Standard Model in Events with Jets and Two Same-Sign or at Least Charged Leptons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.8. – p.752. - Bibliogr.:89.
<https://doi.org/10.1140/epjc/s10052-020-8168-3>

1277. **Sirunyan, A.M.** Search for Physics Beyond the Standard Model in Multilepton Final States in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.3. – p.051. - Bibliogr.:67.
[https://doi.org/10.1007/JHEP03\(2020\)051](https://doi.org/10.1007/JHEP03(2020)051)

1278. **Sirunyan, A.M.** Search for Production of Four Top Quarks in Final States with Same-Sign or Multiple Leptons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, I.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.1. – p.75. - Bibliogr.:77.
<https://doi.org/10.1140/epjc/s10052-019-7593-7>

1279. **Sirunyan, A.M.** Search for Supersymmetry in Proton-Proton Collisions at $\sqrt{s}=13$ TeV in Events with High-Momentum Z Bosons and Missing Transverse Momentum / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, D.Seitova, V.Shalaev, S.Shmatov, S.Shulha, V.Smirnov, O.Teryaev, Z.Tsamalaidze, O.Teryaev, N.Voytishin, A.Zarubin, I.Zhizhin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.9. – p.149. - Bibliogr.:84. [https://doi.org/10.1007/JHEP09\(2020\)149](https://doi.org/10.1007/JHEP09(2020)149)
1280. **Sirunyan, A.M.** Search for Supersymmetry in pp Collisions at $\sqrt{s}=13$ TeV with 137 fb^{-1} in Final States with a Single Lepton Using the Sum of Masses of Large-Radius Jets / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, I.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.5. – p.052010. - Bibliogr.:95. <https://doi.org/10.1103/PhysRevD.101.052010>
1281. **Sirunyan, A.M.** Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft τ Lepton, a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, I.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.4. – p.041803. - Bibliogr.:82. <https://doi.org/10.1103/PhysRevLett.124.041803>
1282. **Sirunyan, A.M.** Search for Top Squark Pair Production in a Final State with Two Tau Leptons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.2. – p.015. - Bibliogr.:78. [https://doi.org/10.1007/JHEP02\(2020\)015](https://doi.org/10.1007/JHEP02(2020)015)
1283. **Sirunyan, A.M.** Search for a Charged Higgs Boson Decaying into Top and Bottom Quarks in Events with Electrons or Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, V.Alexakhin, P.Bunin, Y.Ershov, M.Finger, M.Finger Jr., I.Golutvin, I.Gorbunov, V.Karjavine, A.Khvedelidze, V.Korenkov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, Z.Tsamalaidze, O.Teryaev, N.Voytishin, B.S.Yuldashev, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.1. – p.096. - Bibliogr.:113. [https://doi.org/10.1007/JHEP01\(2020\)096](https://doi.org/10.1007/JHEP01(2020)096)
1284. **Sirunyan, A.M.** Search for a Heavy Higgs Boson Decaying to a Pair of W Bosons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.3. – p.034. - Bibliogr.:128. [https://doi.org/10.1007/JHEP03\(2020\)034](https://doi.org/10.1007/JHEP03(2020)034)

1285. **Sirunyan, A.M.** Search for a Heavy Pseudoscalar Higgs Boson Decaying into a 125 GeV Higgs Boson and a Z Boson in Final States with Two Tau and Two Light Leptons at $\sqrt{s}=13$ TeV / A.M.Sirunyan, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, A.Golunov, I.Golutvin, N.Gorbounov, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, V.Korenkov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, Z.Tsamalaidze, V.Trofimov, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.3. – p.065. - Bibliogr.:104.
[https://doi.org/10.1007/JHEP03\(2020\)065](https://doi.org/10.1007/JHEP03(2020)065)

1286. **Sirunyan, A.M.** Search for a Light Charged Higgs Boson in the $H^\pm \rightarrow cs$ Channel in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, D.Seitova, V.Shalaev, S.Shmatov, S.Shulha, V.Smirnov, O.Teryaev, Z.Tsamalaidze, N.Voytishin, A.Zarubin, I.Zhizhin [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.7. – p.072001. - Bibliogr.:66.
<https://doi.org/10.1103/PhysRevD.102.072001>

1287. **Sirunyan, A.M.** Search for a Light Pseudoscalar Higgs Boson in the Boosted $\mu\tau\tau$ Final State in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, V.Alexakhin, A.Baginyan, P.Bunin, M.Finger, M.Finger Jr., I.Golutvin, I.Gorbunov, V.Karjavine, I.Kashunin, A.Khvedelidze, V.Korenkov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, D.Seitova, S.Shmatov, O.Teryaev, Z.Tsamalaidze, B.S.Yuldashev, A.Zarubin, V.Zhiltsov [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.8. – p.139. - Bibliogr.:71.
[https://doi.org/10.1007/JHEP08\(2020\)139](https://doi.org/10.1007/JHEP08(2020)139)

1288. **Sirunyan, A.M.** Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasiev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.M.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, I.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Physical Review Letters [Electronic resource]. – 2020. – Vol.124, No.13. – p.131802. - Bibliogr.:43.
<https://doi.org/10.1103/PhysRevLett.124.131802>

1289. **Sirunyan, A.M.** Search for an Excited Lepton That Decays via a Contact Interaction to a Lepton and Two Jets in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, A.Baginyan, Y.Ershov, M.Finger, M.Finger Jr., A.Golunov, I.Golutvin, I.Gorbunov, V.Karjavine, I.Kashunin, V.Korenkov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, O.Teryaev, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // Journal of High Energy Physics [Electronic resource]. – 2020. – Vol.2020, No.5. – p.052. - Bibliogr.:58.
[https://doi.org/10.1007/JHEP05\(2020\)052](https://doi.org/10.1007/JHEP05(2020)052)

1290. **Sirunyan, A.M.** Searches for Physics Beyond the Standard Model with the M_{T2} Variable in Hadronic Final States with and Without Disappearing Tracks in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasyev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Khvedelidze, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.1. – p.3. - Bibliogr.:151.
<https://doi.org/10.1140/epjc/s10052-019-7493-x>

1291. **Sirunyan, A.M.** Strange Hadron Production in pp and pPb Collisions at $\sqrt{s_{NN}}=5.02$ TeV / A.M.Sirunyan, A.Baginyan, M.Finger, M.Finger Jr., A.Golunov, I.Golutvin, V.Karjavin, I.Kashunin, A.Khvedelidze, V.Korenkov, G.Kozlov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, S.Shmatov, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, B.S.Yuldashev, A.Zarubin, V.Zhiltsov [a.o.] // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.6. – p.064906. - Bibliogr.:54.
<https://doi.org/10.1103/PhysRevC.101.064906>

1292. **Sirunyan, A.M.** Study of Central Exclusive $\pi^+\pi^-$ Production in Proton-Proton Collisions at $\sqrt{s}=5.02$ and 13 TeV / A.M.Sirunyan, S.Afanasyev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [a.o.] // The European Physical Journal C [Electronic resource]. – 2020. – Vol.80, No.8. – p.718. - Bibliogr.:50.
<https://doi.org/10.1140/epjc/s10052-020-8166-5>

1293. **Sirunyan, A.M.** Study of Excited Λ^0_b States Decaying to $\Lambda^0_b \pi^+ \pi^-$ in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV / A.M.Sirunyan, S.Afanasyev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, S.Shmatov, S.Shulha, N.Skatchkov, V.Smirnov, Z.Tsamalaidze, N.Voytishin, A.Zarubin [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.803. – p.135345. - Bibliogr.:39.
<https://doi.org/10.1016/j.physletb.2020.135345>

1294. **Sirunyan, A.M.** Study of J/ψ Meson Production Inside Jets in pp Collisions at $\sqrt{s} = 8$ TeV / A.M.Sirunyan, P.Bunin, Y.Ershov, M.Finger, M.Finger Jr., M.Gavrilenko, A.Golunov, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, G.Kozlov, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, S.Shmatov, S.Shulha, N.Voytishin, B.S.Yuldashev, A.Zarubin [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.804. – p.135409. - Bibliogr.:42.
<https://doi.org/10.1016/j.physletb.2020.135409>

1295. **Sirunyan, A.M.** W^+W^- Boson Pair Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV / A.M.Sirunyan, S.Afanasyev, P.Bunin, M.Finger, M.Finger Jr., M.Gavrilenko, I.Golutvin, I.Gorbunov, A.Kamenev, V.Karjavine, A.Lanev, A.Malakhov, V.Matveev, P.Moisenz, V.Palichik, V.Perelygin, M.Savina, D.Seitova, V.Shalaev, S.Shmatov, S.Shulha, V.Smirnov, Z.Tsamalaidze, O.Teryaev, N.Voytishin, A.Zarubin, I.Zhizhin [a.o.] // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.9. – p.092001. - Bibliogr.:60.
<https://doi.org/10.1103/PhysRevD.102.092001>

1296. **Sokhoyan, V.** Measurement of the Beam-Helicity Asymmetry in Photoproduction of $\pi^0\eta$ Pairs on Carbon, Aluminum, and Lead / V.Sokhoyan, N.S.Borisov, I.Gorodnov, V.L.Kashevarov, A.Lazarev, A.Neganov, Y.A.Usov [et al.] // Physics Letters B [Electronic resource]. – 2020. – Vol.802. – p.135243. - Bibliogr.:58.
<https://doi.org/10.1016/j.physletb.2020.135243>
1297. **Stankevich, K.** Neutrino Evolution and Quantum Decoherence / K.Stankevich, A.Studenikin // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1468. – p.012148. - Bibliogr.:18.
<https://doi.org/10.1088/1742-6596/1468/1/012148>
1298. **Stankevich, K.** Neutrino Quantum Decoherence Due to Entanglement with Magnetic Field / K.Stankevich, A.Studenikin // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1342. – p.012131. - Bibliogr.:8.
<https://doi.org/10.1088/1742-6596/1342/1/012131>
1299. **Stankevich, K.** Neutrino Quantum Decoherence Engendered by Neutrino Radiative Decay / K.Stankevich, A.Studenikin // Physical Review D [Electronic resource]. – 2020. – Vol.101, No.5. – p.056004. - Bibliogr.:37.
<https://doi.org/10.1103/PhysRevD.101.056004>
1300. **Strakovsky, I.I.** Comparative Analysis of $\omega\rho$, $\phi\rho$, and $J/\psi\rho$ Scattering Lengths from A2, CLAS, and GlueX Threshold Measurements / I.I.Strakovsky, L.Pentchev, A.I.Titov // Physical Review C [Electronic resource]. – 2020. – Vol.101, No.4. – p.045201. - Bibliogr.:23.
<https://doi.org/10.1103/PhysRevC.101.045201>
1301. **Studenikin, A.** Electromagnetic Neutrinos: New Constraints and New Effects in Oscillations / A.Studenikin // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1468. – p.012196. - Bibliogr.:34.
<https://doi.org/10.1088/1742-6596/1468/1/012196>
1302. **Studenikin, A.** Overview on Neutrino Electromagnetic Properties / A.Studenikin // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1342. – p.012047. - Bibliogr.:51.
<https://doi.org/10.1088/1742-6596/1342/1/012047>
1303. **Tokarev, M.V.** Verification of z-Scaling in p+p, \bar{p} +p, and Au+Au Collisions at RHIC, Tevatron and LHC : [Abstract] / M.V.Tokarev, I.Zborovsky, A.O.Kechechyan, T.G.Dedovich // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №2. – p.221-222.
http://www1.jinr.ru/Pepan/v-51-2/02_Tokarev_ann.pdf
1304. **Буртовой, В.С.** Когерентное образование $K^+ \pi^0$ -системы на ядрах меди в пучке заряженных каонов на установке ОКА / В.С.Буртовой, В.Н.Бычков, Б.Ж.Залиханов, Г.Д.Кекелидзе, В.М.Лысан [и др.] // Журнал экспериментальной и теоретической физики. – 2020. – Т.158, №6. – с.1070-1082. - Библиогр.:18.
<https://doi.org/10.31857/S0044451020120068>

1305. **Волков, М.К.** Поправка к статье "Процессы $\tau \rightarrow \pi \pi^0 \nu_\tau$ и $e^+e^- \rightarrow \pi^+\pi^-$ в киральной модели НИЛ с учетом взаимодействия пионов в конечном состоянии" [ЖЭТФ. Письма. 2020. Т.112. №8. С.493-498] / М.К.Волков, А.Б.Арбузов, А.А.Пивоваров // Журнал экспериментальной и теоретической физики. Письма. – 2020. – Т.112, №9/10. – с.717.
1306. **Волков, М.К.** Процессы $\tau \rightarrow \pi \pi^0 \nu_\tau$ и $e^+e^- \rightarrow \pi^+\pi^-$ в киральной модели НИЛ с учетом взаимодействия пионов в конечном состоянии / М.К.Волков, А.Б.Арбузов, А.А.Пивоваров // Журнал экспериментальной и теоретической физики. Письма. – 2020. – Т.112, №7/8. – с.493-498. - Библиогр.:31.
<https://doi.org/10.31857/S123456782020001X>
1307. **Волков, М.К.** Распады $\tau \rightarrow K^* \pi \nu$ и $\tau \rightarrow [\phi, \omega] K \nu$ в расширенной модели Намбу-Иона-Лазинио / М.К.Волков, А.Б.Арбузов, К.Нурлан, А.А.Пивоваров // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – с.831-839. - Библиогр.:23.
http://www1.jinr.ru/Pepan/v-51-4/61_Volk.pdf
1308. **Гниненко, С.Н.** Поиск тяжелого нейтрино и правого W_R -бозона на Большом адронном коллайдере / С.Н.Гниненко, М.М.Кирсанов, Н.В.Красников, В.А.Матвеев // Очерки по современной физике частиц / Общ. ред.: В.А.Матвеев, И.А.Голутвин ; Ред.-сост.: Г.А.Козлов. – Дубна : ОИЯИ, 2020. – с.70-77. - Библиогр.:13. – (ОИЯИ ; 2018-50).
1309. **Горбунов, И.Н.** Поляризационные эффекты и угловые распределения в процессах Дрелла-Яна на CMS / И.Н.Горбунов, О.В.Теряев // Очерки по современной физике частиц / Общ. ред.: В.А.Матвеев, И.А.Голутвин ; Ред.-сост.: Г.А.Козлов. – Дубна : ОИЯИ, 2020. – с.318-334. - Библиогр.:35. – (ОИЯИ ; 2018-50).
1310. **Зарубин, А.В.** Физика с тяжелыми димеоонами / А.В.Зарубин, А.В.Ланёв, М.В.Савина, С.В.Шматов // Очерки по современной физике частиц / Общ. ред.: В.А.Матвеев, И.А.Голутвин ; Ред.-сост.: Г.А.Козлов. – Дубна : ОИЯИ, 2020. – с.290-317. - Библиогр.:31. – (ОИЯИ ; 2018-50).
1311. **Казаков, Д.И.** Перспективы физики элементарных частиц / Д.И.Казаков // Очерки по современной физике частиц / Общ. ред.: В.А.Матвеев, И.А.Голутвин ; Ред.-сост.: Г.А.Козлов. – Дубна : ОИЯИ, 2020. – с.42-69. - Библиогр.:43. – (ОИЯИ ; 2018-50).
1312. **Козлов, Г.А.** Что скрывается за корреляциями частиц? / Г.А.Козлов // Очерки по современной физике частиц / Общ. ред.: В.А.Матвеев, И.А.Голутвин ; Ред.-сост.: Г.А.Козлов. – Дубна : ОИЯИ, 2020. – с.78-87. - Библиогр.:14. – (ОИЯИ ; 2018-50).
1313. **Колесников, В.И.** Перспективы изучения гиперонов и гиперядер на коллайдере NICA / В.И.Колесников, А.И.Зинченко, В.А.Васендина // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №4. – с.575-579. - Библиогр.:11.
http://inis.jinr.ru/sl/NTBLIB/42578320_52082803.pdf
1314. **Кондратьев, В.Н.** Магнитные и тепловые эффекты при рассеянии нейтрино в горячем и плотном ядерном веществе / В.Н.Кондратьев, А.А.Джиоев, А.И.Вдовин, С.Кэрубини, М.Балдо // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №8. – с.1167-1173. - Библиогр.:15.
http://inis.jinr.ru/sl/NTBLIB/43159543_59089333.pdf

1315. **Матвеев, В.А.** О предмете "Физика элементарных частиц" / В.А.Матвеев, Г.А.Козлов, И.А.Голутвин // Очерки по современной физике частиц / Общ. ред.: В.А.Матвеев, И.А.Голутвин ; Ред.-сост.: Г.А.Козлов. – Дубна : ОИЯИ, 2020. – с.3-21. – (ОИЯИ ; 2018-50).

1316. **Нагайцев, А.П.** COMPASS и COMPASS-II. Двадцать лет успешных измерений / А.П.Нагайцев // Новости ОИЯИ = JINR News. – 2020. – №2. – с.10-14. - Библиогр.:8.
http://inis.jinr.ru/sl/NTBLIB/Novosti_2-2020_P10.pdf

1317. **Наумов, Д.В.** Квантово-полевая теория нейтринных осцилляций / Д.В.Наумов, В.А.Наумов // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №1. – с.5-209. - Библиогр.:150.
http://www1.jinr.ru/Pepan/v-51-1/02_Naumov_r.pdf

1318. **Савина, М.В.** В поисках новой физики / М.В.Савина, С.В.Шматов // Очерки по современной физике частиц / Общ. ред.: В.А.Матвеев, И.А.Голутвин ; Ред.-сост.: Г.А.Козлов. – Дубна : ОИЯИ, 2020. – с.133-215. - Библиогр.:84. – (ОИЯИ ; 2018-50).

1319. **Смирнов, О.Ю.** Эксперимент "Borexino" в 2019 г. / О.Ю.Смирнов // Новости ОИЯИ = JINR News. – 2020. – №2. – с.15-19. - Библиогр.:5.
http://inis.jinr.ru/sl/NTBLIB/Novosti_2-2020_P15.pdf

1320. **Эскин, А.В.** Тонкая и сверхтонкая структура мюонного гелия / А.В.Эскин, В.И.Коробов, А.П.Мартыненко, В.В.Сорокин // Известия Российской Академии наук. Серия физическая. – 2020. – Т.84, №3. – с.336-340. - Библиогр.:18.
http://inis.jinr.ru/sl/NTBLIB/42446501_58577096.pdf

1321. **Antonov, R.A.** The SPHERE-2 Detector for Observation of Extensive Air Showers in 1 PeV – 1 EeV Energy Range / R.A.Antonov, M.Finger Jr., M.Finger [et al.] // *Astroparticle Physics [Electronic resource]*. – 2020. – Vol.121. – p.102460. - Bibliogr.:53.
<https://doi.org/10.1016/j.astropartphys.2020.102460>
1322. **Bibrzycki, L.** Towards a Global Cosmic Ray Sensor Network: CREDO Detector as the First Open-Source Mobile Application Enabling Detection of Penetrating Radiation / L.Bibrzycki, D.Burakowski, D.E.Alvarez Castillo [a.o.] // *Symmetry [Electronic resource]*. – 2020. – Vol.12, No.11. – p.1802. - Bibliogr.:21.
<https://doi.org/10.3390/sym12111802>
1323. **Budnev, N.** TAIGA - A Hybrid Array for High-Energy Gamma Astronomy and Cosmic-Ray Physics / N.Budnev, A.Borodin, V.Grebenyuk, A.Grinyuk, A.Pan, Y.Sagan, M.Slunicka, L.Tkachev [et al.] // *Nuclear Instruments & Methods in Physics Research A [Electronic resource]*. – 2020. – Vol.958. – p.162113. - Bibliogr.:8.
<https://doi.org/10.1016/j.nima.2019.04.067>
1324. **Chernov, D.** Investigation of the Energy Spectrum and Chemical Composition of Primary Cosmic Rays in 1-100 PeV Energy Range with a UAV-Borne Detector / D.Chernov, M.Finger, M.Finger Jr. [a.o.] // *Journal of Instrumentation [Electronic resource]*. – 2020. – Vol.15, No.9. – p.C09061. - Bibliogr.:4.
<https://doi.org/10.1088/1748-0221/15/09/C09061>
1325. **Cordun, C.-M.** The First Cosmic Ray Measurements for Future MCORD Project / C.-M.Cordun, A.N.Hardut, I.A.Necsoiu, R.Filip, K.Warnello. – Dubna : JINR, 2020. – 7 p. : il. – (JINR ; E1-2020-38). - Bibliogr.:10.
[http://www1.jinr.ru/Preprints/2020/038\(E1-2020-38\).pdf](http://www1.jinr.ru/Preprints/2020/038(E1-2020-38).pdf)
1326. **Gnesi, I.** Extreme Energy Events: an Extended Multi Purpose Cosmic Ray Observatory / I.Gnesi, M.Abbrescia, C.Avanzini [a.o.] // *Journal of Physics: Conference Series [Electronic resource]*. – 2020. – Vol.1468. – p.012103. - Bibliogr.:20.
<https://doi.org/10.1088/1742-6596/1468/1/012103>
1327. **Homola, P.** Cosmic-Ray Extremely Distributed Observatory / P.Homola, D.E.Alvarez-Castillo, V.Nazari [a.o.] // *Symmetry [Electronic resource]*. – 2020. – Vol.12, No.11. – p.1835. - Bibliogr.:243.
<https://doi.org/10.3390/sym12111835>
1328. **Ivanova, A.** Possibilities of the Tunka-Grande and TAIGA-Muon Scintillation Arrays with the TAIGA-HiSCORE Cherenkov Array Joint Operation in the Research of Cosmic and Gamma Rays / A.Ivanova, V.Grebenyuk, A.Grinyuk, A.Pan, Y.Sagan, C.Slunicka, L.Tkachev [a.o.] // *Journal of Physics: Conference Series [Electronic resource]*. – 2020. – Vol.1690. – p.012014. - Bibliogr.:17.
<https://doi.org/10.1088/1742-6596/1690/1/012014>

1329. **Kuzmichev, L.** Cherenkov EAS Arrays in the Tunka Astrophysical Center: From Tunka-133 to the TAIGA Gamma and Cosmic Ray Hybrid Detector / L.Kuzmichev, A.Borodin, V.Grebenyuk, A.Grinyuk, A.Pan, Y.Sagan, M.Slunecka, A.Tkachenko, L.Tkachev [et al.] // Nuclear Instruments & Methods in Physics Research A [Electronic resource]. – 2020. – Vol.952. – p.161830. - Bibliogr.:21.

<https://doi.org/10.1016/j.nima.2019.01.056>

1330. **Monkhoev, R.** Tunka-Grande and TAIGA-Muon Scintillation Arrays: Status and Prospects / R.Monkhoev, A.Borodin, V.Grebenyuk, A.Grinyuk, A.Pan, Y.Sagan, B.Sabirov, Y.Sagan, V.Slunecka, L.Tkachev, R.Wischnewski [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1697. – p.012026. - Bibliogr.:21.

<https://doi.org/10.1088/1742-6596/1697/1/012026>

1331. **Postnikov, E.B.** First Detection of Gamma-Ray Sources at TeV Energies with the First Imaging Air Cherenkov Telescope of the TAIGA Installation / E.B.Postnikov, A.N.Borodin, V.M.Grebenyuk, A.A.Grinyuk, M.V.Lavrova, A.Pan, A.Porelli, Y.I.Sagan, M.Slunecka, L.G.Tkachev [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012023. - Bibliogr.:16.

<https://doi.org/10.1088/1742-6596/1690/1/012023>

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1332. **Hassan, A.A.** Investigation of Using U-233 in Thorium Base Instead of Conventional Fuel in Russian PWR by SERPENT Code / A.A.Hassan, S.H.Alassaf, V.I.Savander [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1689. – p.012031. - Bibliogr.:26.

<https://doi.org/10.1088/1742-6596/1689/1/012031>

1333. **Аксенов, В.Л.** Исследовательские реакторы ОИЯИ: взгляд в будущее / В.Л.Аксенов, М.В.Рязнин, Е.П.Шабалин. – Дубна : ОИЯИ, 2020. – 28 с. : ил. – (ОИЯИ ; P3-2020-31). - Библиогр.: 56.

[http://www1.jinr.ru/Preprints/2020/031\(P3-2020-31\).pdf](http://www1.jinr.ru/Preprints/2020/031(P3-2020-31).pdf)

1334. **Лопаткин, А.В.** Концепция нового высокопоточного импульсного источника нейтронов периодического действия на основе нептуния / А.В.Лопаткин, В.Л.Аксенов, С.А.Куликов, М.В.Рязнин, В.Н.Швецов, Е.П.Шабалин [и др.] // Атомная энергия. – 2020. – Т.129, №4. – с.226-228. - Библиогр.:3.

<https://www.elibrary.ru/item.asp?id=44516154>

1335. **Мухаметулы, Б.** Первые научные результаты, полученные на экспериментальной установке для нейтронной радиографии и томографии на реакторе ВВР-К /

Б.Мухаметулы, Д.П.Козленко, Е.А.Кенжин, С.Е.Кичанов, Е.В.Лукин, А.А.Шаймерденов, К.М.Назаров, Б.Н.Савенко // Новости ОИЯИ = JINR News. – 2020. – №1. – с.20-23. - Библиогр.:6.

http://inis.jinr.ru/sl/NTBLIB/News_1_2020_P20.pdf

1336. **Пепельшев, Ю.Н.** Кинетика импульсного бустера с инжекцией протонов / Ю.Н.Пепельшев, А.К.Попов, Д.Сумхуу // Атомная энергия. – 2020. – Т.128, №1. – с.40-46. - Библиогр.:5.

<http://dx.doi.org/10.1007/s10512-020-00649-9>

1337. **Пепельшев, Ю.Н.** Концепция импульсного реактора периодического действия ИБР-4 / Ю.Н.Пепельшев, А.В.Виноградов, А.Д.Рогов, С.Ф.Сидоркин. – Дубна : ОИЯИ, 2020. – 17 с. – (ОИЯИ ; P13-2020-14). - Библиогр.:12.

[http://www1.jinr.ru/Preprints/2020/014\(P13-2020-14\).pdf](http://www1.jinr.ru/Preprints/2020/014(P13-2020-14).pdf)

1338. **Пепельшев, Ю.Н.** О пределах колебательной неустойчивости импульсных реакторов периодического действия / Ю.Н.Пепельшев, А.К.Попов, Д.Сумхуу, А.Д.Рогов. – Дубна : ОИЯИ, 2020. – 26 с. : ил. – (ОИЯИ ; P13-2020-6). - Библиогр.:12.

[http://www1.jinr.ru/Preprints/2020/006\(P13-2020-6\).pdf](http://www1.jinr.ru/Preprints/2020/006(P13-2020-6).pdf)

1339. **Черников, А.Н.** Шахтный криостат на основе GM-криокулера и его возможности / А.Н.Черников // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №2. – с.141-145. - Библиогр.:9.

http://www1.jinr.ru/Pepan_letters/panl_2020_2/10_Chernikov.pdf

1340. **Шабалин, Е.П.** Анализ динамики импульса мощности реактора "Нептун": сравнение моделей расчета / Е.П.Шабалин, М.В.Рязнин. – Дубна : ОИЯИ, 2020. – 8 с. – (ОИЯИ ; P3-2020-13). - Библиогр.:11.

[http://www1.jinr.ru/Preprints/2020/013\(P3-2020-13\).pdf](http://www1.jinr.ru/Preprints/2020/013(P3-2020-13).pdf)

С 349 Дозиметрия и физика защиты. Действие излучения на материалы. Биологическое действие излучений / Dosimetry and Protection Physics. Radiation Effects. Biological Effects of Radiations

1341. **Abdullaev, S.** Assessment of Nuclear and Mitochondrial DNA, Expression of Mitochondria-Related Genes in Different Brain Regions in Rats After Whole-Body X-ray Irradiation / S.Abdullaev, N.Gubina, T.Bulanova, A.Gaziev // International Journal of Molecular Sciences [Electronic resource]. – 2020. – Vol.21, No.4. – p.1196. - Bibliogr.:52.
<https://doi.org/10.3390/ijms21041196>
1342. **Abdullayeva, T.T.** Effect of Electron Beam on the Crystal Structure of Nanoscale Al Particles / T.T.Abdullayeva, B.A.Abdurakhimov, M.N.Mirzayev [a.o.] // Modern Physics Letters B [Electronic resource]. – 2020. – Vol.34, No.22. – p.2050231. - Bibliogr.:28.
<https://doi.org/10.1142/S0217984920502310>
1343. **Azimova, S.R.** The Behavior of Thermodynamic Kinetics on Bi₂Se₃ Compound by ¹³¹Xe Ion Implantation / S.R.Azimova, Y.I.Aliyev, D.M.Mirzayeva // Modern Physics Letters B [Electronic resource]. – 2020. – Vol.34, No.36. – p.2050417. - Bibliogr.:33.
<https://doi.org/10.1142/S0217984920504175>
1344. **Bunoiu, M.** Electrical and Magnetodielectric Properties of Magneto-Active Fabrics for Electromagnetic Shielding and Health Monitoring / M.Bunoiu, E.M.Anitas [a.o.] // International Journal of Molecular Sciences [Electronic resource]. – 2020. – Vol.21, No.13. – p.4785. - Bibliogr.:42.
<https://doi.org/10.3390/ijms21134785>
1345. **Cataldi, S.** Acid and Neutral Sphingomyelinase Behavior in Radiation-Induced Liver Pyroptosis and in the Protective/Preventive Role of rMnSOD / S.Cataldi, O.Belov, A.Ivanov, E.Krasavin [a.o.] // International Journal of Molecular Sciences [Electronic resource]. – 2020. – Vol.21, No.9. – p.3281. - Bibliogr.:37.
<https://doi.org/10.3390/ijms21093281>
1346. **Gojaye, E.M.** The Effect of UV Irradiation on the Dielectric Properties of Bionanocomposites with Fillers of Biological Origin and Metal Nanoparticles / E.M.Gojaye, Sh.V.Aliyeva, V.V.Salimova, S.H.Jabarov // Modern Physics Letters B [Electronic resource]. – 2020. – Vol.34, No.17. – p.2050186. - Bibliogr.:22.
<https://doi.org/10.1142/S0217984920501869>
1347. **Gorbunov, S.A.** Dependence of Electron-Lattice Scattering Cross Sections on Crystallographic Orientations in Al₂O₃ and Mg₂SiO₄ / S.A.Gorbunov, S.V.Ivliev, A.E.Volkov // Nuclear Instruments & Methods in Physics Research B [Electronic resource]. – 2020. – Vol.474. – p.41-48. - Bibliogr.:45.
<https://doi.org/10.1016/j.nimb.2020.04.014>
1348. **Hlatshwayo, T.T.** Effects of Ag and Sr Dual Ions Implanted into SiC / T.T.Hlatshwayo, V.A.Skuratov [et al.] // Nuclear Instruments & Methods in Physics Research B [Electronic resource]. – 2020. – Vol.472. – p.7-13. - Bibliogr.:36.
<https://doi.org/10.1016/j.nimb.2020.03.035>

1349. **Ivanov, A.A.** Modeling of Laboratory Animals Exposure Conditions Behind Local Concrete Shielding Bombarded by 650-Mev Protons / A.A.Ivanov, A.R.Krylov, A.G.Molokanov, E.E.Pavlik, G.V.Mytsin, S.V.Shvidky, G.N.Timoshenko [et al.] // Медицинская радиология и радиационная безопасность. – 2020. – Т.65, №5. – p.77-86. - Bibliogr.:7.
<http://inis.jinr.ru/sl/NTBLIB/5-2020-P77.pdf>
1350. **Kazuchits, N.M.** Raman Scattering in Diamond Irradiated with High-Energy Xenon Ions / N.M.Kazuchits, V.A.Skuratov [et al.] // Nuclear Instruments & Methods in Physics Research B [Electronic resource]. – 2020. – Vol.472. – p.19-23. - Bibliogr.:46.
<https://doi.org/10.1016/j.nimb.2020.03.034>
1351. **Koshkinbayeva, A.** Thermal Transport and Optical Spectroscopy in 710-MeV Bi Ion Irradiated LiF Crystals / A.Koshkinbayeva, V.A.Skuratov [et al.] // Nuclear Instruments & Methods in Physics Research B [Electronic resource]. – 2020. – Vol.475. – p.14-19. - Bibliogr.:46.
<https://doi.org/10.1016/j.nimb.2020.04.006>
1352. **Laptev, R.** Effect of Proton Irradiation on the Defect Evolution of Zr/Nb Nanoscale Multilayers / R.Laptev, K.Siemek, A.Kobets [a.o.] // Metals [Electronic resource]. – 2020. – Vol.10, No.4. – p.535. - Bibliogr.:41.
<https://doi.org/10.3390/met10040535>
1353. **Mirzayev, M.N.** Effect of High Intense Electron Beam Irradiation on Structural and Raman Properties of Boron Carbide Micro Powder / M.N.Mirzayev, B.A.Abdurakhimov, E.Demir, N.V.Tiep, E.Popov, D.M.Mirzayeva, G.I.Georgiev [a.o.] // International Journal of Modern Physics B [Electronic resource]. – 2020. – Vol.34, No.4. – p.2050008. - Bibliogr.:42.
<https://doi.org/10.1142/S0217979220500083>
1354. **Mirzayev, M.N.** High-Flux Neutron Irradiation of Boron Trioxide Analyzed with Raman and FTIR Spectroscopy / M.N.Mirzayev // International Journal of Modern Physics B [Electronic resource]. – 2020. – Vol.34, No.18. – p.2050160. - Bibliogr.:32.
<https://doi.org/10.1142/S021797922050160X>
1355. **Mirzayev, M.N.** Oxidation Kinetics of Boron Carbide Ceramic Under High Gamma Irradiation Dose in the High Temperature / M.N.Mirzayev // Ceramics International [Electronic resource]. – 2020. – Vol.46, No.3. – p.2816-2822. - Bibliogr.:48.
<https://doi.org/10.1016/j.ceramint.2019.09.273>
1356. **Mirzayev, M.N.** Study Thermodynamic Assessment of the B-C and B-Si Binary Systems with Swift Heavy Ions and High Intense Electron Beam Irradiation at the Low Temperature / M.N.Mirzayev // Modern Physics Letters B [Electronic resource]. – 2020. – Vol.34, No.34. – p.2050395. - Bibliogr.:39.
<https://doi.org/10.1142/S0217984920503959>
1357. **Semenov, A.N.** The Oxidation-Induced Autofluorescence Hypothesis: Red Edge Excitation and Implications for Metabolic Imaging / A.N.Semenov, B.P.Yakimov, M.P.Zarubin [a.o.] // Molecules [Electronic resource]. – 2020. – Vol.25, No.8. – p.1863. - Bibliogr.:54.
<https://doi.org/10.3390/molecules25081863>

1358. **Timoshenko, G.N.** Estimation of the Astronaut's Doses Inside the Spacecraft Habitable Module in Deep Space : [Abstract] / G.N.Timoshenko, I.S.Gordeev // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №5. – с.1165.
http://www1.jinr.ru/Pepan/v-51-5/07_Timoshenko_ann.pdf
1359. **Troitskii, A.V.** The Effect of Xe Ion Irradiation (40, 80 MeV) on HTS-2G GdBa₂Cu₃O_{7-x} / A.V.Troitskii, V.A.Skuratov, V.K.Semina [et al.] // Physica C [Electronic resource]. – 2020. – Vol.572. – p.1353631. - Bibliogr.:21.
<https://doi.org/10.1016/j.physc.2020.1353631>
1360. **Tuleushev, A.Z.** Induced Spirals in Polyethylene Terephthalate Films Irradiated with Ar Ions with an Energy of 70 MeV / A.Z.Tuleushev, M.V.Zdorovets, A.L.Kozlovskiy, F.E.Harrison // Crystals [Electronic resource]. – 2020. – Vol.10, No.6. – p.427. - Bibliogr.:31.
<https://doi.org/10.3390/cryst10060427>
1361. **Tuleushev, A.Z.** Ion Charge Influence on the Molecular Structure of Polyethylene Terephthalate Films After Irradiation with Swift Heavy Ions / A.Z.Tuleushev, M.V.Zdorovets, A.L.Kozlovskiy, F.E.Harrison // Crystals [Electronic resource]. – 2020. – Vol.10, No.6. – p.479. - Bibliogr.:81.
<https://doi.org/10.3390/cryst10060479>
1362. **Van Vuuren, A.J.** Analysis of the Microstructural Evolution of Silicon Nitride Irradiated with Swift Xe Ions / A.J.Van Vuuren, A.D.Ibrayeva, V.A.Skuratov, M.V.Zdorovets // Ceramics International [Electronic resource]. – 2020. – Vol.46, No.6. – p.7155-7160. - Bibliogr.:23.
<https://doi.org/10.1016/j.ceramint.2019.11.209>
1363. **Апель, П.Ю.** Получение ионоселективных мембран из облученных тяжелыми ионами ПЭТФ пленок: критические параметры процесса / П.Ю.Апель, И.В.Блонская, О.М.Иванов, О.В.Криставчук, Н.Е.Лизунов, А.Н.Нечаев, О.Л.Орелович, О.А.Полежава, С.Н.Дмитриев // Мембраны и мембранные технологии. – 2020. – Т.10, №2. – с.113-124. - Библиогр.:44.
1364. **Афанасьев, А.Ю.** Изменение характеристик переизлучающих волокон Y-11 и O-2 под действием гамма-облучения / А.Ю.Афанасьев, И.А.Голутвин, А.И.Малахов, В.А.Смирнов [и др.] // Оптика и спектроскопия. – 2020. – Т.128, №12. – с.1973-1976. - Библиогр.:5.
<https://journals.ioffe.ru/articles/viewPDF/50337>
1365. **Бондарь, И.В.** Экспериментальные подходы к подготовке и проведению изучения эффектов облучения на когнитивные функции низших приматов / И.В.Бондарь, Л.Н.Васильева, Г.В.Мицын [и др.] // Радиационная биология. Радиоэкология. – 2020. – Т.60, №4. – с.352-361. - Библиогр.:16.
http://inis.jinr.ru/sl/NTBLIB/43089242_28165566
1366. **Кошлянь, И.В.** Радиационно-индуцированный мутагенез в клетках млекопитающих после воздействия ускоренных ионов с разными ЛПЭ / И.В.Кошлянь, Н.А.Кошлянь, П.Блага, Ю.В.Богданова, Д.В.Петрова, Р.Д.Говорун, Е.А.Красавин // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №1. – с.73-83. - Библиогр.:45.
http://www1.jinr.ru/Pepan_letters/panl_2020_1/11_Koshlan.pdf

1367. **Павлюк, А.О.** Определение параметров пористой структуры облученного графита, влияющих на механизмы выхода долгоживущих радионуклидов при контакте с жидкими средами / А.О.Павлюк, А.В.Пахневич [и др.] // Радиохимия. – 2020. – Т.62, №6. – с.526-535. - Библиогр.:25.

<https://doi.org/10.31857/S003383112006009X>

1368. **Полетаева, И.И.** Влияние ионизирующего облучения на предрасположенность к аудиогенной эпилепсии и поведение крыс линии Крушинского-Молодкиной / И.И.Полетаева, И.В.Кошлань, Ю.В.Богданова, Н.А.Кошлань [и др.] // Биофизика. – 2020. – Т.65, №4. – с.773-779. - Библиогр.:23.

<http://inis.jinr.ru/sl/NTBLIB/BioPhy-2020-4-773.pdf>

1369. **Пузынин, И.В.** Молекулярно-динамическое моделирование процессов взаимодействия импульсных пучков ионов с металлами / И.В.Пузынин, Т.П.Пузынина, И.Г.Христов, Р.Д.Христова, З.К.Тухлиев, З.А.Шарипов // Поверхность. – 2020. – №12. – с.78-82. - Библиогр.:20.

http://inis.jinr.ru/sl/NTBLIB/44137444_45036446.pdf

1370. **Тимошенко, Г.Н.** Прогнозирование радиационной обстановки вокруг бустера NICA / Г.Н.Тимошенко, И.С.Гордеев // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №3. – с.316-327. - Библиогр.:6.

http://www1.jinr.ru/Pepan_letters/panl_2020_3/12_Timoshenko.pdf

1371. **Тимошенко, Г.Н.** Расчет распределений линейных передач энергии ядер в радиобиологических экспериментах на циклотроне У-400М / Г.Н.Тимошенко, И.С.Гордеев // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №7. – с.894-902. - Библиогр.:10.

http://www1.jinr.ru/Pepan_letters/panl_2020_7/05_Timoshen.pdf

**C 350 Приложения методов ядерной физики в смежных областях /
Applications of Nuclear Physics Techniques in Related Sciences**

1372. **Nikolaev, A.V.** Ab Initio Based Description of the Unusual Increase of the Electric Field Gradient with Temperature at Ti Sites Rutile TiO_2 / A.V.Nikolaev, N.M.Chtchelkatchev, D.A.Salamatin [a.o.] // Physical Review B [Electronic resource]. – 2020. – Vol.102, No.17. – p.174305. - Bibliogr.:48.

<https://doi.org/10.1103/PhysRevB.102.174305>

1373. **Zuba, I.** Ruthenium as an Important Element in Nuclear Energy and Cancer Treatment / I.Zuba, M.Zuba, M.Piotrowski, A.Pawlukoje // Applied Radiation and Isotopes [Electronic resource]. – 2020. – Vol.162. – p.109176. - Bibliogr.:p.5.

<https://doi.org/10.1016/j.apradiso.2020.109176>

1374. **Балдин, А.А.** Проект "Энергия + трансмутация" / А.А.Балдин, В.И.Стегайлов, М.Парайпан, С.И.Тютюнников [и др.] // Новости ОИЯИ = JINR News. – 2020. – №1. – с.17-19. - Библиогр.:8.

http://inis.jinr.ru/sl/NTBLIB/News_1_2020_P17.pdf

C 36 Физика твердого тела/Solid State Physics

1375. **Abdurahmanova, V.A.** The Thermal Properties of SnSe and $\text{Sm}_{1-x}\text{Ce}_x\text{SnSe}_2$ ($x = 0.02-0.5$) Compounds / V.A.Abdurahmanova, N.M.Abdullaev, Sh.S.Ismayilov, M.N.Mirzayev // International Journal of Modern Physics B [Electronic resource]. – 2020. – Vol.34, No.18. – p.2050167. - Bibliogr.:19.
<https://doi.org/10.1142/S0217979220501672>
1376. **Agayev, F.G.** Structure and Thermal Properties of $\text{BaFe}_{11.1}\text{In}_{0.9}\text{O}_{19}$ Hexaferrite / F.G.Agayev, M.N.Mirzayev [et al.] // Physica B [Electronic resource]. – 2020. – Vol.580. – p.411772. - Bibliogr.:48.
<https://doi.org/10.1016/j.physb.2019.411772>
1377. **Akbarova, S.M.** Study of the Thermophysical Kinetics of Additional Concrete Samples / S.M.Akbarova, S.H.Gahramanov, D.M.Mirzayeva // Modern Physics Letters B [Electronic resource]. – 2020. – Vol.34, No.24. – p.205025. - Bibliogr.:30.
<https://doi.org/10.1142/S0217984920502528>
1378. **Aliyev, Y.I.** Structural Aspects of Thermal Properties of AgCuS Compound / Y.I.Aliyev, Y.G.Asadov, M.N.Mirzayev [a.o.] // Modern Physics Letters B [Electronic resource]. – 2020. – Vol.34, No.5. – p.2050066. - Bibliogr.:24.
<https://doi.org/10.1142/S0217984920500669>
1379. **Aliyev, Y.I.** Structural and Thermal Properties of $\text{Cu}_{1.75-x}\text{M}_x\text{Te}$ Crystals / Y.I.Aliyev, Y.G.Asadov, S.H.Jabarov [a.o.] // International Journal of Modern Physics B [Electronic resource]. – 2020. – Vol.34, No.19. – p.2050180. - Bibliogr.:22.
<https://doi.org/10.1142/S0217979220501805>
1380. **Azimova, S.R.** Effect of the $\text{Se} \rightarrow \text{Te}$ Substitutions on Thermal Properties of Binary Bi_2Se_3 Semiconductor / S.R.Azimova, N.M.Abdullaev, Y.I.Aliyev, M.N.Mirzayev // Modern Physics Letters B [Electronic resource]. – 2020. – Vol.34, No.15. – p.2050156. - Bibliogr.:30.
<https://doi.org/10.1142/S0217984920501560>
1381. **Hashimov, R.F.** Experimental Investigation on Thermodynamic Properties and Crystal Structure of $\text{La}_{0.78}\text{Ba}_{0.22}\text{MnO}_3$ Compounds / R.F.Hashimov, F.A.Mikailzade, D.M.Mirzayeva [a.o.] // International Journal of Modern Physics B [Electronic resource]. – 2020. – Vol.34, No.11. – p.2050101. - Bibliogr.:35.
<https://doi.org/10.1142/S0217979220501015>
1382. **Vinnik, D.V.** Influence of Titanium Substitution on Structure, Magnetic and Electric Properties of Barium Hexaferrites $\text{BaFe}_{12-x}\text{Ti}_x\text{O}_{19}$ / D.V.Vinnik, V.A.Turchenko [et al.] // Journal of Magnetism and Magnetic Materials [Electronic resource]. – 2020. – Vol.498. – p.166117. - Bibliogr.:61.
<https://doi.org/10.1016/j.jmmm.2019.166117>

С 393 Физика низких температур/Low Temperature Physics

1383. **Anghel, D.V.** Electromagnetic Radiation Detectors Based on Josephson Junctions: Effective Hamiltonian / D.V.Anghel, K.Kulikov, Y.M.Galperin, L.S.Kuzmin // Physical Review B [Electronic resource]. – 2020. – Vol.101, No.2. – p.024511. - Bibliogr.:38.
<https://doi.org/10.1103/PhysRevB.101.024511>
1384. **Bobkova, I.V.** Magnetization Reversal in Superconductor/Insulating Ferromagnet/Superconductor Josephson Junctions on a Three-Dimensional Topological Insulator / I.V.Bobkova, I.R.Rahmonov, A.A.Mazanik, Yu.M.Shukrinov [a.o.] // Physical Review B [Electronic resource]. – 2020. – Vol.102, No.13. – p.134505. - Bibliogr.:45.
<https://doi.org/10.1103/PhysRevB.102.134505>
1385. **Kulikov, K.** Josephson Junctions of Weyl and Multi-Weyl Semimetals / K.Kulikov, D.Sinha, Yu.M.Shukrinov, K.Sengupta // Physical Review B [Electronic resource]. – 2020. – Vol.101, No.7. – p.075110. - Bibliogr.:26.
<https://doi.org/10.1103/PhysRevB.101.075110>
1386. **Nakhmedov, E.** Josephson Current Between Two p-wave Superconducting Nanowires in the Presence of Rashba Spin-Orbit Interaction and Zeeman Magnetic Fields / E.Nakhmedov, B.D.Suleymanli, Yu.M.Shukrinov [et al.] // Physica C [Electronic resource]. – 2020. – Vol.579. – p.135753. - Bibliogr.:56.
<https://doi.org/10.1016/j.physc.2020.1353753>
1387. **Nashaat, M.** Ferromagnetic Resonance and Effect of Supercurrent on the Magnetization Dynamics in S/F/S Junctions Under Circularly Polarized Magnetic Field : Abstract / M.Nashaat, Yu.M.Shukrinov // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №1. – p.72.
http://www1.jinr.ru/Pepan_letters/panl_2020_1/10_Nashaat_ann.pdf
1388. **Plakida, N.M.** Superconductivity in Electronic Systems with Strong Correlations : [Abstract] / N.M.Plakida // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – p.947.
http://www1.jinr.ru/Pepan/v-51-4/75_Plakida_ann.pdf
1389. **Popov, E.P.** Cryostat for Cooling Samples in the Study of Low-Temperature Structural and Magnetic Phase Transitions by Neutron Diffraction / E.P.Popov, A.N.Chernikov, A.I.Beskrovnyi, J.Waliszewski, M.N.Mirzayev // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1492. – p.012054. - Bibliogr.:8.
<https://doi.org/10.1088/1742-6596/1492/1/012054>
1390. **Rahmonov, I.R.** Resonance Phenomena in an Annular Array of Underdamped Josephson Junctions / I.R.Rahmonov, J.Tekic, Yu.M.Shukrinov [a.o.] // Physical Review B [Electronic resource]. – 2020. – Vol.101, No.17. – p.174515. - Bibliogr.:46.
<https://doi.org/10.1103/PhysRevB.101.174515>
1391. **Rahmonov, I.R.** ac-Driven Annular Josephson Junctions: The Missing Shapiro Steps / I.R.Rahmonov, J.Tekic, Yu.M.Shukrinov [a.o.] // Physical Review B [Electronic resource]. – 2020. – Vol.101, No.2. – p.024512. - Bibliogr.:29.
<https://doi.org/10.1103/PhysRevB.101.024512>

1392. **Бабушкина, Н.А.** Температурная зависимость электросопротивления электронно-допированных купратов / Н.А.Бабушкина, А.А.Владимиров, Н.М.Плакида [и др.] // Ядерная физика. – 2020. – Т.83, №5. – с.714-727. - Библиогр.:45.

<https://doi.org/10.31857/S0044451020100144>

1393. **Бабушкина, Н.А.** Температурная зависимость электросопротивления электронно-допированных купратов / Н.А.Бабушкина, А.А.Владимиров, К.И.Кутель, Н.М.Плакида // Журнал экспериментальной и теоретической физики. – 2020. – Т.158, №4. – с.714-727. - Библиогр.:43.

<https://doi.org/10.31857/S0044451020100144>

1394. **Шукринов, Ю.М.** Резонансные свойства джозефсоновских переходов с ферромагнетиком / Ю.М.Шукринов, И.Р.Рахмонов // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – с.951-962. - Библиогр.:20.

http://www1.jinr.ru/Pepan/v-51-4/79_Shukrinov.pdf

С 4 Химия/Chemistry

1395. **Abdusamadzoda, D.** Assessment of the Toxic Metals Pollution of Soil and Sediment in Zarafshon Valley, Northwest Tajikistan (Part II) / D.Abdusamadzoda, D.A.Abdushukurov, O.G.Duliu, I.Zinicovscaia // *Toxics* [Electronic resource]. – 2020. – Vol.8, No.4. – p.113. - Bibliogr.:23.
<https://doi.org/10.3390/toxics8040113>
1396. **Barandovski, L.** Atmospheric Heavy Metal Deposition in North Macedonia from 2002 to 2010 Studied by Moss Biomonitoring Technique / L.Barandovski, T.Stafilov, M.Frontasyeva [a.o.] // *Atmosphere* [Electronic resource]. – 2020. – Vol.11, No.9. – p.929. - Bibliogr.:83.
<https://doi.org/10.3390/atmos11090929>
1397. **Holubek, R.** The Recovery of Soybean Plants after Short-Term Cadmium Stress / R.Holubek, I.Zinicovscaia, N.Yushin, K.Vergel, M.Frontasyeva [et al.] // *Plants* [Electronic resource]. – 2020. – Vol.9, No.6. – p.782. - Bibliogr.:57.
<https://doi.org/10.3390/plants9060782>
1398. **Koval, V.Yu.** Elemental Analysis of the Molding Paste of Medieval Oriental Faiences : [Abstract] / V.Yu.Koval, A.Yu.Dmitriev, S.B.Borzakov, O.E.Chepurchenko, Yu.G.Filina, V.S.Smirnova, V.V.Lobachev, N.N.Chepurchenko, A.Zh.Zhomartova, S.G.Lennik // *Физика элементарных частиц и атомного ядра. Письма*. – 2020. – Т.17, №6. – p.861.
http://www1.jinr.ru/Pepan_letters/panl_2020_6/12_Koval_ann.pdf
1399. **Koval, V.Yu.** Using XRF Analysis to Determine the Elemental Composition of Pigments in the Painting of Medieval Oriental Faiences / V.Yu.Koval, A.Yu.Dmitriev, V.S.Smirnova, V.V.Lobachev // *Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics = Фундаментальные взаимодействия и нейтроны, структура ядра, ультрахолодные нейтроны, связанные темы : XXVII International Seminar on Interaction of Neutrons with Nuclei (ISINN-27)*, Dubna, Russia, June 10-14, 2019: Proceedings of the Seminar. – Dubna : JINR, 2020. – p.179-186. - Bibliogr.:4. – (JINR ; E3-2020-10).
<http://inis.jinr.ru/sl/NTBLIB/isinn-27-P179.pdf>
1400. **Krakovska, A.** Analysis of Spatial Data from Moss Biomonitoring in Czech-Polish Border / A.Krakovska, V.Svozilik, I.Zinicovscaia, K.Vergel, P.Jancik // *Atmosphere* [Electronic resource]. – 2020. – Vol.11, No.11. – p.1237. - Bibliogr.:63.
<https://doi.org/10.3390/atmos11111237>
1401. **Rotnicki, K.** Phase Transitions, Molecular Dynamics and Structural Properties of 1-Ethyl-3-Methylimidazolium Bis(Trifluoromethylsulfonyl)Imide Ionic Liquid / K.Rotnicki, M.Jazdzewska, A.Beskrovnyi, J.Waliszewski [et al.] // *Journal of Molecular Liquids* [Electronic resource]. – 2020. – Vol.313. – p.113535. - Bibliogr.:22.
<https://doi.org/10.1016/j.molliq.2020.113535>

1402. **Simbirtseva, N.V.** Investigation of the Element Composition of Barmas Medallion (the 12 th - First Half of the 13th Centuries) by Method of Neutron Resonance Capture Analysis / N.V.Simbirtseva, P.V.Sedyshev, S.T.Mazhen, Yu.D.Mareev, V.N.Shvetsov, A.M.Yergashov, A.Yu.Dmitriev [a.o.] // Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics = Фундаментальные взаимодействия и нейтроны, структура ядра, ультрахолодные нейтроны, связанные темы : XXVII International Seminar on Interaction of Neutrons with Nuclei (ISINN-27), Dubna, Russia, June 10-14, 2019: Proceedings of the Seminar. – Dubna : JINR, 2020. – p.187-191. - Bibliogr.:7. – (JINR ; E3-2020-10).
<http://inis.jinr.ru/sl/NTBLIB/isinn-27-P187.pdf>
1403. **Teymurov, E.S.** MCNP Simulation of the Background Neutron Radiation in the 11B Experimental Room of the IBR-2 Reactor / E.S.Teymurov, A.Yu.Nezvanov, E.V.Lychagin // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.171. - Bibliogr.:1. – (JINR ; E3-2020-19).
1404. **Tkachenko, K.** Major and Trace Element Content of Tribulus Terrestris L. Wildlife Plants / K.Tkachenko, M.Frontasyeva, A.Vasilev [a.o.] // Plants [Electronic resource]. – 2020. – Vol.9, No.12. – p.1764. - Bibliogr.:58.
<https://doi.org/10.3390/plants9121764>
1405. **Zinicovscaia, I.** Efficient Removal of Metals from Synthetic and Real Galvanic Zinc-Containing Effluents by Brewer's Yeast *Saccharomyces Cerevisiae* / I.Zinicovscaia, N.Yushin, D.Abdusamadzoda, D.Grozdov, M.Shvetsova // Materials [Electronic resource]. – 2020. – Vol.13, No.16. – p.3624. - Bibliogr.:35.
<https://doi.org/10.3390/ma13163624>
1406. **Zinicovscaia, I.** Metal Removal from Nickel-Containing Effluents Using Mineral-Organic Hybrid Adsorbent / I.Zinicovscaia, N.Yushin, D.Grozdov, K.Vergel [a.o.] // Materials [Electronic resource]. – 2020. – Vol.13, No.19. – p.4462. - Bibliogr.:45.
<https://doi.org/10.3390/ma13194462>
1407. **Густова, М.В.** Определение микроэлементов и радионуклидов в грибах из разных регионов России / М.В.Густова, С.П.Каплина, И.З.Каманина, Н.С.Густова, О.Д.Маслов. – Дубна : ОИЯИ, 2020. – 15 с. – (ОИЯИ ; P18-2020-7). – Библиогр.:26.
[http://www1.jinr.ru/Preprints/2020/007\(P18-2020-7\).pdf](http://www1.jinr.ru/Preprints/2020/007(P18-2020-7).pdf)
1408. **Куракина, Е.С.** Получение ^{111}In и радионуклидов Te и Sn из сурьмяной мишени, облученной протонами высокой энергии / Е.С.Куракина, А.И.Величков, Д.В.Караиванов, А.П.Маринова, Г.М.Маринов, Ж.Х.Хушвактов, Д.В.Философов [и др.] // Радиохимия. – 2020. – Т.62, №3. – с.240-246. - Библиогр.:20.
http://inis.jinr.ru/sl/NTBLIB/42802002_67213723.pdf
1409. **Мирзаев, Н.А.** Сорбция ионов металлов на анионообменной смоле в растворе ацетата аммония / Н.А.Мирзаев, А.П.Маринова, Н.Т.Темербулатова, Д.В.Философов [и др.] // Журнал физической химии. – 2020. – Т.94, №6. – с.893-897. - Библиогр.:26.
http://inis.jinr.ru/sl/NTBLIB/42651059_28688790.pdf
1410. **Оганесян, Ю.Ц.** Периодическая таблица через 150 лет : Научная сессия Общего собрания членов РАН “Периодическая таблица – универсальный язык естествознания” / Ю.Ц.Оганесян // Вестник Российской Академии наук. – 2020. – Т.90, №4. – с.312-319. - Библиогр.:28.
http://inis.jinr.ru/sl/NTBLIB/VestRAN_2020-4-312.pdf

1411. **Седышев, П.В.** Определение элементного состава сплава боспорских статов III-IV вв. н. э. из Фанагорийского клада методом нейтронной спектроскопии на импульсном источнике нейтронов ИРЕН ЛНФ ОИЯИ / П.В.Седышев, Н.В.Симбирцева, А.М.Ергашов, С.Т.Мажен, Ю.Д.Мареев, В.Н.Швецов, М.Г.Абрамзон, И.А.Сапрыкина // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №3. – с.328-344. - Библиогр.:19.

http://www1.jinr.ru/Pepan_letters/panl_2020_3/13_Sedyshev.pdf

1412. **Трубников, Г.В.** Выступление первого заместителя министра науки и высшего образования РФ : Научная сессия Общего собрания членов РАН “Периодическая таблица – универсальный язык естествознания” / Г.В.Трубников // Вестник Российской Академии наук. – 2020. – Т.90, №4. – с.304.

http://inis.jinr.ru/sl/NTBLIB/VestRAN_2020-4-304.pdf

1413. **Шалапин, В.Н.** О возможности применения нитевидного ВЧ-разряда для анализа атомного состава органических соединений / В.Н.Шалапин, С.И.Тютюнников // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №2. – с.146-152. - Библиогр.:9.

http://www1.jinr.ru/Pepan_letters/panl_2020_2/11_Shal.pdf

С 63 Астрофизика/Astrophysics

1414. **Alvarez-Castillo, D.** Studying the Landau Mass Parameter of the Extended Sigma Model for Neutron Star Matter : [Abstract] / D.Alvarez-Castillo, A.Ayriyan, G.G.Barnafoldi, P.Posfay // Физика элементарных частиц и атомного ядра. – 2020. – Т.51, №4. – p.843.
http://www1.jinr.ru/Pepan/v-51-4/62_Alvarez_ann.pdf
1415. **Baushev, A.N.** Hubble Stream Near a Massive Object: The Exact Analytical Solution for the Spherically-Symmetric Case / A.N.Baushev // Physical Review D [Electronic resource]. – 2020. – Vol.102, No.8. – p.083529. - Bibliogr.:15.
<https://doi.org/10.1103/PhysRevD.102.083529>
1416. **Bielewicz, M.** Minimum Resolution of MCORD as a Consequence of Astrophysical Observation Requirements / M.Bielewicz, P.Kankiewicz, A.Chlopik. – Dubna : JINR, 2020. – 6 p. : il. – (JINR ; E1-2020-32). - Bibliogr.:10.
[http://www1.jinr.ru/Preprints/2020/032\(E1-2020-32\).pdf](http://www1.jinr.ru/Preprints/2020/032(E1-2020-32).pdf)
1417. **Blaschke, D.** Was GW170817 a Canonical Neutron Star Merger? Bayesian Analysis with a Third Family of Compact Stars / D.Blaschke, A.Ayriyan, D.E.Alvarez Castillo, H.Grigorian // Universe [Electronic resource]. – 2020. – Vol.6, No.6. – p.81. - Bibliogr.:94.
<https://doi.org/10.3390/universe6060081>
1418. **Cheminant, K.A.** Search for Ultra-High Energy Photons Through Preshower Effect with Gamma-Ray Telescopes: Study of CTA-North Efficiency / K.A.Cheminant, D.E.Alvarez Castillo, V.Nazari [et al.] // Astroparticle Physics [Electronic resource]. – 2020. – Vol.123. – p.102489. - Bibliogr.:56.
<https://doi.org/10.1016/j.astropartphys.2020.102489>
1419. **Voskresensky, D.N.** Evolution of Quasiperiodic Structures in a Non-Ideal Hydrodynamic Description of Phase Transitions / D.N.Voskresensky // Universe [Electronic resource]. – 2020. – Vol.6, No.3. – p.42. - Bibliogr.:67.
<https://doi.org/10.3390/universe6030042>

**Ц 84 Вычислительная техника и программирование /
Computational Technique. Programming**

1420. **Alekseev, A.** On the Road to a Scientific Data Lake for the High Luminosity LHC Era / A.Alekseev, V.Mitsyn, D.Oleynik [a.o.] // International Journal of Modern Physics A [Electronic resource]. – 2020. – Vol.35, No.33. – p.2030022. - Bibliogr.:12.
<https://doi.org/10.1142/S0217751X20300227>

1421. **Alekseev, A.** Scientific Data Lake for High Luminosity LHC Project and Other Data-Intensive Particle and Astro-Particle Physics Experiments / A.Alekseev, V.Mitsyn, D.Oleynik [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012166. - Bibliogr.:17.
<https://doi.org/10.1088/1742-6596/1690/1/012166>

1422. **Apreutesey, A.M.Yu.** Hybrid Modelling of the RED Algorithm in the Julia Language / A.M.Yu.Apreutesey, A.V.Korolkova, D.S.Kulyabov // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1694. – p.012025. - Bibliogr.:11.
<https://doi.org/10.1088/1742-6596/1694/1/012025>

1423. **Driuk, A.** Tuning of the Primary Vertex Reconstruction Algorithm in the BM@N Experiment / A.Driuk, N.Kakhanovskaya, S.Merts [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012116. - Bibliogr.:5.
<https://doi.org/10.1088/1742-6596/1690/1/012116>

1424. **Driuk, A.V.** High-Performance Optimization of Simulation and Reconstruction Modules in the BM@N Software at the NICA / A.V.Driuk, S.P.Merts, S.A.Nemnyugin [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012066. - Bibliogr.:4.
<https://doi.org/10.1088/1742-6596/1690/1/012066>

1425. **Driuk, A.V.** Upgrade of the QA System in the BM@N Experiment at the NICA / A.V.Driuk, K.I.Mashitsin, S.P.Merts [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1690. – p.012118. - Bibliogr.:13.
<https://doi.org/10.1088/1742-6596/1690/1/012118>

1426. **Kazarov, A.** The Controls and Configuration Software of the ATLAS Data Acquisition System for LHC Run2 / A.Kazarov, I.Aleksandrov, A.Kazymov, M.Mineev [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1525. – p.012036. - Bibliogr.:17.
<https://doi.org/10.1088/1742-6596/1525/1/012036>

1427. **Perez, M.V.** The ATLAS EventIndex and its Evolution Towards Run3 / M.V.Perez, E.Alexandrov, I.Aleksandrov, I.Alexander, A.Kazymov, M.Mineev, F.Prokoshin [a.o.] // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1525. – p.012056. - Bibliogr.:18.
<https://doi.org/10.1088/1742-6596/1525/1/012056>

1428. **Roudnev, V.A.** Machine Learning Based TOF Charged Particle Identification at BM@N Detector of NICA Collider / V.A.Roudnev, S.P.Merts, S.A.Nemnyugin, M.M.Stepanova // Journal of Physics: Conference Series [Electronic resource]. – 2020. – Vol.1479. – p.012043. - Bibliogr.:7.
<https://doi.org/10.1088/1742-6596/1479/1/012043>

1429. **Shvetsov, V.N.** TySSA - A Set of Means for Building of Distributed Software Systems for the Automation of Experiments by the User / V.N.Shvetsov, K.M.Salamatin, I.M.Salamatin, M.I.Tsulaia // Fundamental Interactions & Neutrons, Nuclear Structure, Ultracold Neutrons, Related Topics = Фундаментальные взаимодействия и нейтроны, структура ядра, ультрахолодные нейтроны, связанные темы : XXVII International Seminar on Interaction of Neutrons with Nuclei (ISINN-27), Dubna, Russia, June 10-14, 2019: Proceedings of the Seminar. – Dubna : JINR, 2020. – p.170-175. - Bibliogr.:4. – (JINR ; E3-2020-10).
<http://inis.jinr.ru/sl/NTBLIB/isinn-27-P170.pdf>
1430. **Sitnik, I.M.** The Final Version of the FUMILIM Minimization Package / I.M.Sitnik, I.I.Alexeev, O.V.Selugin // Computer Physics Communications [Electronic resource]. – 2020. – Vol.251. – p.107202. - <https://doi.org/10.1016/j.cpc.2020.107202>
1431. **Soloviev, A.G.** Program Package "SAS": Status and New Features / A.G.Soloviev, O.I.Ivankov, A.V.Rogachev, D.V.Soloviev, A.I.Kuklin // Condensed Matter Research at the IBR-2. International Conference, Dubna, Oct.12-16, 2020 : Programme and Abstracts. – Dubna : JINR, 2020. – p.169. - Bibliogr.:6. – (JINR ; E3-2020-19).
1432. **Абрамов, С.А.** Семинар по компьютерной алгебре в 2018–2019 гг. / С.А.Абрамов, А.А.Боголюбская // Программирование. – 2020. – №2. – с.3-5. - Библиогр.:24.
<http://dx.doi.org/10.31857/S0132347420020028>
1433. **Геворкян, М.Н.** Практический подход к тестированию генераторов случайных чисел систем компьютерной алгебры / М.Н.Геворкян, А.В.Демидова, А.В.Королькова, Д.С.Кулябов // Журнал вычислительной математики и математической физики. – 2020. – Т.60, №1. – с.70-79. - Библиогр.:21. - <https://doi.org/10.1134/S096554252001008X>
1434. **Геворкян, М.Н.** Пример модульного расширения системы компьютерной алгебры / М.Н.Геворкян, А.В.Королькова, Д.С.Кулябов, Л.А.Севастьянов // Программирование. – 2020. – №2. – с.30-37. - Библиогр.:33. - <http://dx.doi.org/10.1134/S036176882002005X>
1435. **Кашунин, И.А.** Интеграция кластерной системы мониторинга на базе Icinga2 в МИВК ЛИТ ОИЯИ / И.А.Кашунин, В.В.Мицын, В.В.Трофимов, А.Г.Долбилов // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №3. – с.345-352. - Библиогр.:6.
http://www1.jinr.ru/Pepan_letters/panl_2020_3/14_kashunin.pdf
1436. **Кореньков, В.В.** Тенденции и перспективы развития распределенных вычислений и аналитики больших данных для поддержки проектов класса мегасайенс / В.В.Кореньков // Ядерная физика. – 2020. – Т.83, №6. – с.534-538. - Библиогр.:14.
http://inis.jinr.ru/sl/NTBLIB/44090903_13610055.pdf
1437. **Потапов, Д.С.** Система удаленного реконфигурирования, отладки и тестирования карт электроники для детектора ТРС/MPD проекта NICA / Д.С.Потапов, С.В.Верещагин // Вестник Международного университета природы, общества и человека "Дубна" : Серия: "Естественные и инженерные науки". – 2020. – №4(49). – с.46-49. - Библиогр.:7.
1438. **Янович, Д.А.** Вычисление инволютивных базисов и базисов Грёбнера используя табличное представление полиномов / Д.А.Янович // Программирование. – 2020. – №2. – с.67-72. - Библиогр.:15.
<http://dx.doi.org/10.31857/S0132347420020120>

1439. **Kovacova, Z.** Influence of Wooden Sawdust Treatments on Cu(II) and Zn(II) Removal from Water / Z.Kovacova, S.Demcak, I.Zinicovscaia [a.o.] // Materials [Electronic resource]. – 2020. – Vol.13, No.16. – p.3575. - Bibliogr.:86.
<https://doi.org/10.3390/ma13163575>
1440. **Maliar, N.** Crystal Structure of the N112A Mutant of the Light-Driven Sodium Pump KR2 / N.Maliar, K.Kovalev, A.Rogachev [a.o.] // Crystals [Electronic resource]. – 2020. – Vol.10, No.6. – p.496. - Bibliogr.:59.
<https://doi.org/10.3390/cryst10060496>
1441. **Yushin, N.** Mosses as Bioindicators of Heavy Metal Air Pollution in the Lockdown Period Adopted to Cope with the COVID-19 Pandemic / N.Yushin, O.Chaligava, I.Zinicovscaia, K.Vergel, D.Grozdov // Atmosphere [Electronic resource]. – 2020. – Vol.11, No.11. – p.1194. - Bibliogr.:33.
<https://doi.org/10.3390/atmos11111194>
1442. **Иванов, В.В.** Математическое моделирование процесса исчерпания добываемых ископаемых ресурсов на примере природного урана / В.В.Иванов, А.В.Крянев, Д.Е.Слива [и др.] // Физика элементарных частиц и атомного ядра. Письма. – 2020. – Т.17, №2. – с.226-230. - Библиогр.:11.
http://www1.jinr.ru/Pepan_letters/panl_2020_2/19_Ivanov.pdf
1443. **Маляр, Н.** Новый pH-чувствительный микробный родопсин из *Sphingomonas Paucimobilis* / Н.Маляр, Д.В.Соловьев [и др.] // Доклады Российской Академии наук. Науки о жизни. – 2020. – Т.495. – с.658-662. - Библиогр.:15.
http://inis.jinr.ru/sl/NTBLIB/44220706_95002267.pdf

Прочие / Others

1444. **Варденга, Г.Л.** О Юлии Киме и об авторской песне / Г.Л.Варденга // "Дубна, мечта моя..." / Сост.: Л.Н.Орелович. – Дубна : ОИЯИ, 2020. – с.45-50.
1445. **Кавалерова, Н.С.** В жизни каждого человека есть важные моменты / Н.С.Кавалерова // "Дубна, мечта моя..." / Сост.: Л.Н.Орелович. – Дубна : ОИЯИ, 2020. – с.50-51.
1446. **Коренченко, С.М.** "Посвящение Галичу" / С.М.Коренченко // "Дубна, мечта моя..." / Сост.: Л.Н.Орелович. – Дубна : ОИЯИ, 2020. – с.24.
1447. **Кухтина, И.Н.** Воспоминания о Киме / И.Н.Кухтина // "Дубна, мечта моя..." / Сост.: Л.Н.Орелович. – Дубна : ОИЯИ, 2020. – с 16-18.
1448. **Орелович, Л.Н.** "Я приезжаю сюда с чувством возвращения домой..." : [Дубна: наука, содружество, прогресс. 2017. 16 февр. №7] / Л.Н.Орелович // "Дубна, мечта моя..." / Сост.: Л.Н.Орелович. – Дубна : ОИЯИ, 2020. – с.61-63.
1449. **Сумбаев, А.П.** Юлий Ким и Герцен Копылов / А.П.Сумбаев // "Дубна, мечта моя..." / Сост.: Л.Н.Орелович. – Дубна : ОИЯИ, 2020. – с.43-45.
1450. **Фурман, В.И.** Попытка напомнить молодым людям... / В.И.Фурман // "Дубна, мечта моя..." / Сост.: Л.Н.Орелович. – Дубна : ОИЯИ, 2020. – с.25-28.

Монографии.Книги/Monographs.Books

1451. The Silicon Tracking System as Part of the Hybrid Tracker of the BM@N Experiment : Technical Design Report / A.V.Baranov, D.Dementev, V.Elsha, P.I.Kharlamov, A.Kolzhvari, T.Lygdanova, M.M.Merkin, Y.Murin, M.Protsenko, A.Sheremetev, A.Sheremeteva, N.Sukhov, M.Shitenkov, A.Voronin, A.Zinchenko [et al.] ; Ed.: D.Dementev, P.Senger. – Dubna : JINR, 2020. – 101 p. : il. – (JINR ; 2020-23). - Bibliogr.: end of papers. – 135 экз. - ISBN 978-5-9530-0541-8.
http://www1.jinr.ru/Books/The%20Silicon%20Tracking%20System_sajt.pdf
1452. Mosses as Biomonitors of Air Pollution: 2015/2016 Survey on Heavy Metals, Nitrogen and POPs in Europe and Beyond : Report of the ICP Vegetation / M.Frontasyeva, H.Harmens, A.Uzhinskiy, O.Chaligava, Yu.Aleksiaenak, P.Jancik, P.Nekhoroshkov, D.Abdusamadzoda, M.Trinh, K.Vergel, N.Yushin, O.Culicov, I.Zinicovscaia, M.Shvetsova, S.Gundorina, T.Ostrovnaya [et al.]. – Dubna : JINR, 2020. – 136 p. : il. – (JINR ; 2020-11). - Bibliogr: end of papers. – 50 экз. - ISBN 978-5-9530-0508-1.
1453. **Аксенов, Виктор Лазаревич.** Лекции по теории конденсированного состояния : учебное пособие / Виктор Лазаревич Аксенов, Тимур Васильевич Тропин. – М. : Физический факультет МГУ, 2020. – 442 с. : ил. - Библиогр.: с. 438-440. – 200 экз. - ISBN 978-5-8279-0183-9.
1454. **Исаев, Алексей Петрович.** Теория групп и симметрий. Кн.2. Представления групп и алгебр Ли. Приложения / Алексей Петрович Исаев, Валерий Анатольевич Рубаков. – М. : URSS, 2020. – 693 с. : ил. - Доп. тираж. – Библиогр.: с.681-687. – ISBN 978-5-396-01040-6.
1455. **Кузнецов, А.А.** Открытие антисигма-минус-гиперона / А.А.Кузнецов. – Дубна : ОИЯИ, 2020. – 16 с. : ил. – (Библиотека еженедельника Объединенного института ядерных исследований "Дубна: наука, сотрудничество, прогресс").
1456. **Пенионжкевич, Юрий Эрастович.** Экзотические люди и ядра : EXON: 30 лет истории / Юрий Эрастович Пенионжкевич, Евгений Макарьевич Молчанов. – Дубна : ОИЯИ, 2020. – 144, [2] с. : цв. ил. – (ОИЯИ ; 2020-8). - ISBN 978-5-9530-0546-3.
1457. **Тяпкин, А.А.** "Сквозь железный занавес": из истории международного научного сотрудничества / А.А.Тяпкин. – Дубна : ОИЯИ, 2020. – 28 с. : ил. – (Библиотека еженедельника Объединенного института ядерных исследований "Дубна: наука, сотрудничество, прогресс"). - 100 экз.
1458. **Швидкий, Сергей.** Большое в малом, миг - как вечность... / Сергей Швидкий. – Дубна : ОИЯИ, 2020. – 91 с. - ISBN 978-5-9530-0537-1.
1459. **Шитов, Юрий Александрович.** Удивительные превращения нейтрино / Юрий Александрович Шитов, Виктор Борисович Бруданин, Мария Викторовна Фомина. – Дубна : ОИЯИ, 2020. – 30 с. : цв. ил. – (ОИЯИ ; 2020-21). - 135 экз. - ISBN 978-5-9530-0542-5.
http://www1.jinr.ru/Books/21_2020_sajt.pdf

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STATISTICAL TABLE OF JINR AUTHOR PUBLICATIONS**

Лаборатории	Количество авторов				
	Книги	Журнальные статьи	Препринты	Авторефераты диссертаций	Публикации из материалов конференций и сборников
ОИЯИ.ЛЯП	2	438	3	1	16
ОИЯИ.ЛЯР	1	143	1	2	49
ОИЯИ.УНЦ	-	8	-	-	5
ОИЯИ.ЛРБ	-	11	1		3
ОИЯИ.ЛТФ	1	366	1	2	22
ОИЯИ.Управление	1	178	2	-	6
ОИЯИ.ЛНФ	2	231	4	1	140
ОИЯИ (лаборатория не указана)	1	75	3	-	16
ОИЯИ.ЛФВЭ	2	446	9	2	19
ОИЯИ.ЛИТ	1	276	1	2	14

**Количество публикаций по тематическим разделам и видам публикаций
Number of Publications in Subject Areas and Publication Types**

Тематические разделы	Авторефераты диссертаций	Монографии, Книги	Публикации из материалов конференций и сборников	Препринты	Журнальные статьи	Итого
<i>С 1 - Математика</i>	2	1	-	2	7	12
<i>С 3 - Физика</i>		1	13	1	2	17
<i>С 31 - Системы единиц. Фундаментальные физические константы</i>	-	-	-	-	1	1
<i>С 322 - Теория относительности</i>	-	-	-	-	29	29
<i>С 323 - Квантовая механика</i>	1			2	40	43
<i>С 324 - Квантовая теория поля</i>	1		1	1	121	124
<i>С 325 - Статистическая физика и термодинамика</i>	-	-	1	-	14	15
<i>С 326 - Квантовая теория систем из многих частиц. Квантовая статистика</i>	-	-	-	-	26	26
<i>С 33 а - Нанозфизика. Нанотехнология</i>	-	-	2	-	21	23
<i>С 332 - Электромагнитные взаимодействия</i>	-	-	8	-	64	72
<i>С 341 - Атомные ядра</i>	2	1	20	1	85	109
<i>С 342 - Прохождение частиц и гамма-квантов через вещество</i>	1	1	94	-	54	150
<i>С 343 - Ядерные реакции</i>	1	-	28	2	166	197
<i>С 344 - Экспериментальная ядерная физика</i>	-	1	42	1	141	185
<i>С 345 - Ускорители заряженных частиц</i>	2		2	2	52	58
<i>С 346 - Элементарные частицы</i>	-	2	8	2	254	266
<i>С 347 - Космические лучи</i>	-	-	-	1	10	11
<i>С 348 - Ядерные реакторы. Реакторостроение</i>	-	-	-	4	5	9
<i>С 349 - Дозиметрия и физика защиты. Действие излучения на материалы. Биологическое действие излучений</i>	-	-	-	-	31	31
<i>С 350 - Приложения методов ядерной физики в смежных областях</i>	-	-	-		3	3
<i>С 36 - Физика твердого тела</i>	-	-	-	-	8	8
<i>С 393 - Физика низких температур</i>	-	-	-	-	12	12
<i>С 4 - Химия</i>	-	1	3	1	15	20
<i>С 63 - Астрофизика</i>	-	-	-	1	5	6
<i>Ц 84 - Вычислительная техника и программирование</i>	-	-	2	-	17	19
<i>28.0 – Биология. Экология</i>	-	-	-	-	5	5
<i>Прочие</i>	-	1	7	-	-	8
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