**Список публикаций и докладов за 2021-2022 гг**

НУКЛОТРОН-NICA

1. A.Sidorin, S.Kostromin, Heavy ion collider NICA at JINR, Journal of instrumentation, Изд: IOP Publishing Ltd and Sissa Medialab srl, T03003, 16(03), 2021
2. Melnikov S.A., Meshkov I.N., Impedance Budget of the NICA Collider Ring,
Physics of Particles and Nuclei Letters, ISSN:1547-4771, eISSN:1531-8567, Изд: MAIK Nauka/Interperiodica distributed exclusively by Springer Science+Business Media LLC., 19, 524-527, 2022
3. Melnikov S.A., Meshkov I.N., Minimization of Impedance of the NICA Collider Ring, Physics of atomic nuclei, ISSN:1063-7788, eISSN:1562-692X, Изд: MAIK Nauka/Interperiodica, Pleiades Publishing, Ltd, 84, статья в сборнике трудов конференции, 2021
4. Yu.N. Filatov, A.M. Kondratenko, M.A. Kondratenko, V.V. Vorobyov, S.V. Vinogradov, E.D. Tsyplakov, A.V. Butenko, E.M. Syresin, S.A. Kostromin, Ya.S. Derbenev, Numerical modeling of a proton spin-flipping system in the spin transparency mode at an integer spin resonance in JINR’s Nuclotron, Journal of Instrumentation, ISSN:1748-0221, Изд: IOP Publishing, 16, P12039, Article, https://doi.org/10.1088/1748-0221/16/12/P12039 Статья № P12039, 2021
5. Filatov, Y.N., Kondratenko, A.M., Kondratenko, M.A., Derbenev, Y.S., Morozov, V.S., Butenko, A.V., Syresin, E.M., Tsyplakov, E.D., Polarization control in spin-transparent hadron colliders by weak-field navigators involving lattice enhancement effect, European Physical Journal C, ISSN:1434-6044, eISSN:1434-6052, 81, 11, 986, Article, DOI: 10.1140/epjc/s10052-021-09750-0 статья № 986, 2021
6. H. Khodzhibagiyan, V. Kekelidze, A. Merkuriev, D. Nikiforov, M. Novikov, G. Kuznetsov, G. Trubnikov, Quadrupole Superconducting Model for Update of the Nuclotron Synchrotron, IEEE transactions on applied superconductivity: a publication of the IEEE Superconductivity Committee, ISSN:1051-8223, eISSN:1558-2515, Изд: IEEE / Institute of Electrical and Electronics Engineers Incorporated, 32, 6, 1-4, 2022
7. O. V. Anchugov, D. A. Shvedov, V. A. Kiselev, A. N. Zhuravlev, S. V. Sinyatkin, D. I. Bazhutov, A. V. Tuzikov, A. A. Fateev, A. S. Petukhov, A Kicker Magnet for Beam Extraction from the Booster into the Booster–Nuclotron Beamline of the NICA Complex, Instruments and Experimental Techniques, ISSN:0020-4412, eISSN:1608-3180, Изд: MAIK Nauka/Interperiodica, Pleiades Publishing, Ltd, 65, 3, 474-481, 2022
8. A.Yu. Grebentsov, O.I. Brovko, A.V. Butenko, V.A. Gerklotts, A.M. Malyshev, V.D. Petrov, O.V. Prozorov, E. Syresin, A.A. Volodin JINR, Dubna, Russia A.M. Batrakov, S.A. Krutikhin, и др., Booster RF System First Beam Tests, The Joint Accelerator Conferences Website Publishing, Изд: JACoW-RuPAC2021-WEPSC14, 370-372, Статья, 2021
9. A. V. Butenko, A. R. Galimov, I. N. Meshkov, E. M. Syresin, I. Yu. Tolstikhina, A. V. Tuzikov, A. V. Philippov, H. G. Khodzhibagiyan & V. P. Shevel’ko, Vacuum Conditions and the Lifetime of a Single-Charged Helium Ion Beam in the Booster Synchrotron of the NICA (First Run), JETP Letters, ISSN: 0021-3640, Изд: Pleiades Publishing, Inc, 113, 12, 752-765, Статья, 2021
10. Козлов О. С., Костромин С. А., Мельников С. А., Мешков И. Н., Смирнов В. Л., Тузиков А. В., Филиппов А. В., Шандов М. М., АКТУАЛЬНЫЕ ЗАДАЧИ ИССЛЕДОВАНИЯ ДИНАМИКИ ПУЧКА В КОЛЛАЙДЕРЕ NICA, Физика элементарных частиц и атомного ядра, ISSN:0367-2026, eISSN:1814-7445, Изд: Издательский отдел ОИЯИ, 53, 5, 1220-1273, Статья, 2022
11. Бутенко А. В., Бровко О. И., Галимов А. Р., Горбачёв Е. В., Костромин С. А., Карпинский В. Н., Мончинский В. А., Мешков И. Н., Сидорин А. О., Сыресин Е. М., Трубников Г. В., Тузиков и др., БУСТЕР КОМПЛЕКСА NICA: СВЕРХПРОВОДЯЩИЙ СИНХРОТРОН НОВОГО ПОКОЛЕНИЯ, Успехи физических наук, ISSN:0042-1294, eISSN:1996-6652, Изд: Наука, Статья, 2021
12. А.В. Алфеев, И.Л. Гурылева, В.Н. Емельяненко, В.А Михайлов, Ю.А. Цветкова, Геодезический контроль структурных магнитов ускорительного комплекса ЛФВЭ ОИЯИ, Письма в ЭЧАЯ, ISSN:ISSN:1814-5957, eISSN:eISSN:1814-5973, Изд: ОИЯИ, 20, 4, Статья, 2022
13. Шандов М.М., Горбачёв Е.В., Коробицина М.Ю., Костромин С.А., Лебедев В.А., Николайчук И.Ю., Седых Г.С., Смирнов В.Л., Тузиков А.В., Цыплаков Е.Д., Исследование характеристик магнитной структуры Бустера NICA в ПНР с пучком в 2020-2022гг., Письма в ЭЧАЯ, ISSN:1814-5957, Изд: ОИЯИ, Передана в издательство, Статья, 2022
14. Кудашкин А. В., Борисов В. В., Булко Ф., Каксор Г., Карпинский В. Н., Ходжибагиян Г. Г., Кондратьев Б., Омельяненко M. M., Петров M. В., Романов С. В., ИСТОЧНИКИ ПИТАНИЯ ДЛЯ ТЕСТИРОВАНИЯ И СЕРТИФИКАЦИИ СВЕРХПРОВОДЯЩИХ МАГНИТОВ УСКОРИТЕЛЬНЫХ КОМПЛЕКСОВ NICA И FAIR, Письма в журнал "Физика элементарных частиц и атомного ядра", Изд: ОИЯИ, 5, 2022
15. В.М. Жабицкий, Методы контроля продольного импульсного разброса ионов в сгустке при инжекции в синхротрон, Письма в ЭЧАЯ, ISSN:1814-5957, Изд: ОИЯИ, 19, 6(245), 636-542, статья, 2022
16. Шандов М.М., Костромин С.А., Моделирование динамической апертуры бустерного синхротрона комплекса NICA на основе данных магнитных измерений, Письма в ЭЧАЯ, ISSN:1814-5957, Изд: ОИЯИ, 19, 3(242), 178-194, Передана в издательство 03.12.2021г., 2021
17. М.Ю.Коробицина, А.В.Тузиков, М.М.Шандов, Настройка инжекции в Бустер ускорительного комплекса NICA, Письма в ЭЧАЯ, Передана на публикацию, 2022
18. Г. А. Филатов, А.А. Сливин, Е.М. Сыресин, А. В.Бутенко, А. С. Ворожцов, А. В. Агапов, К.Н. Шипулин, С.Ю. Колесников, В.Н. Карпинский, М. И. Кузнецов, С. В. Киров, А.В. Сергеев, А.Р и др., ПРОГРЕСС В СОЗДАНИИ НОВЫХ КАНАЛОВ ДЛЯ ПРИКЛАДНЫХ ИССЛЕДОВАНИЙ КОМПЛЕКСА NICA, Письма в ЭЧАЯ, ISSN:1814-5957, eISSN:1814-5973, Изд: ОИЯИ, 19, 5, 412-417, 2022
19. А. Сливин, А. Агапов, А. Бутенко, Г. Филатов, К. Шипулин, Е. Сыресин, А. Тузиков, Т. Кулевой, Ю. Титаренко, Д. Бобровский, А. Чумаков, С. Соловьев, А. Кубанкин, П. Черных, В. Лузан и др., СООРУЖЕНИЕ СТАНЦИЙ ДЛЯ ПРИКЛАДНЫХ ИССЛЕДОВАНИЙ НА УСКОРИТЕЛЬНОМ КОМПЛЕКСЕ NICA, Письма в ЭЧАЯ, ISSN:1814-5957, eISSN:1814-5973, Изд: ОИЯИ, 19, 5, 421-425, 2022
20. Ю.Н.Филатов и др., Спиновый навигатор на базе корректирующих диполей Нуклотрона/ОИЯИ, Письма в журнал экспериментальной и теоретической физики, ISSN:0021-3640, Изд: ФГУП «Академиздатцентр «Наука», 116, 7, 411 – 418, статья, 2022
21. А.А. Котова, Д.Н. Никифоров, Г.Г. Ходжибагиян, Термодинамические характеристики дублетов квадрупольных магнитов бустерного синхротрона ускорительного комплекса NICA, Письма в ЭЧАЯ, ISSN:1814-5957, eISSN:eISSN:1814-5973, Изд: ОИЯИ, 19, 6, 643-650, 2022
22. О. В. Анчугов, Д. А. Шведов, В. А. Киселев, А. Н. Журавлев, С. В. Синяткин, Д. И. Бажутов, А. В. Тузиков, А. А. Фатеев, А. С. Петухов, УДАРНЫЙ МАГНИТ ДЛЯ ВЫВОДА ПУЧКА ИЗ БУСТЕРА В КАНАЛ “БУСТЕР–НУКЛОТРОН” КОМПЛЕКСА NICA, Приборы и техника эксперимента, ISSN:0032-8162, eISSN:0020-4412, Изд: МАИК Наука Интерпериодика, 3, 100-107, 2022
23. Margarita Korobitsina, Alexander Kovalenko, Andrey Kolomiets, Impedance model of the NICA collider for experiments at SPD, AIP Conference Proceedings, Изд: AIP Publishing, 2377, 080003-1 - 080003-5, 2021
24. Development of superconducting magnetic energy storage for the power system of the particle accelerators Booster and Nuclotron of NICA, 27th International Conference on Magnet Technology MT27, Fukuoka, Japan, Mikhail Novikov, Hamlet Khodzhibagiyan, Yuntao Song, Jinxing Zheng, Viktor Karpinskiy, Dmitry Nikiforov, Valeriy Drobin, Alyona Bortsova (Kotova), Ksenia Loshmanova, Denis Neapolitanskiy, Alexandr Shurygin, Ming Li, Maxim Zaslavskiy, Evgeniy Matyukhanov и др., 2021
25. The NICA Complex Injection Facility, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, A.V. Butenko, S.A. Kostromin, I.N. Meshkov, A.O. Sidorin, E. Syresin, H.G. Khodzhibagiyan, G.V. Trubnikov, 2021
26. V. Akimov, A. Bazanov, A. Butenko, A. Galimov, A. Govorov, B. Golovenskiy, D. Donets, D. Egorov, V. Kobets, A. Kovalenko, K. Levterov, D. Letkin, D. Leushin, D. Lyuosev, A. Martynov, V. Mialkovsky, V. Monchinskiy , D. Ponkin, A. Sidorin, E. Syresin, I. Shi и др., ACCELERATION OF He+ BEAMS FOR INJECTION INTO NICA BOOSTER DURING ITS FIRST RUN, 12th International Particle Accelerator Conference (IPAC2021), Brazilian Center for Research in Energy and Materials (CNPEM), Campinas, SP, Brazil, 3016-3019, JACoW Publishing, Geneva, Switzerland, 2673-5490, 2021
27. Acceleration the Beams of He+ and Fe14+ Ions by HILAC and its Injection into NICA Booster in its Second Run, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, K.A. Levterov, V.P. Akimov, A.M. Bazanov, A.V. Butenko, D.E. Donets, D.S. Letkin, D.O. Leushin, D.A. Lyuosev, A.A. Martynov, V.V. Mialkovskiy, D.O. Ponkin, I.V. Shirikov, A.O. Sidorin, A. Tuzikov, D. Egorov, A.R. Galimov, B.V. Golovenskiy, A. Govorov, et al., 2021
28. Beam Transfer Systems of NICA Facility: from HILAC to Booster, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, A. Tuzikov, A.M. Bazanov, A.V. Butenko, D.E. Donets, A.A. Fateev, A.R. Galimov, B.V. Golovenskiy, E.V. Gorbachev, A. Govorov, S.Yu. Kolesnikov, K.A. Levterov, D.A. Lyuosev, I.N. Meshkov, H.P. Nazlev, D.O. Ponkin, V.V. Seleznev, V.S. Shvetsov, A.O. Sidorin, et al., 2021
29. ELECTRON COOLER OF THE NICA BOOSTER AND ITS APPLICATIONS,
13th International Workshop COOL`21, Budker Institute of Nuclear Physics SB RAS, Новосибирск, Россия, S.A. Melnikov, I.N. Meshkov, E.V. Ahmanova, A. A. Baldin, A.V. Butenko, I. V. Gorelyshev, A.G. Kobets, D. S. Korovkin, O.S. Orlov, K.G. Osipov, A.V. Philippov, S.V. Semenov, A.S. Sergeev, A.A. Sidorin, A.O. Sidorin, E.M Syresin, 26-30, 2226-0374, 2021
30. FEATURES OF THE ELECTRON COOLING SYSTEM OF THE NICA BOOSTER, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, S.A. Melnikov, E.V. Ahmanova, A.V. Butenko, A.G. Kobets, I.N. Meshkov, O.S. Orlov, K.G. Osipov, S.V. Semenov, A.S. Sergeev, A.A. Sidorin, A.O. Sidorin, E.M. Syresin, A.V. Ivanov,, 236-238, JACoW Publishing ISBN: 978-3-95450-240-0, 2673-5539, 2021
31. He Ion Source for the NICA Injection Complex, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, B.V. Golovenskiy, A.M. Bazanov, A.S. Bogatov, D.E. Donets, K.A. Levterov, D.S. Letkin, D.O. Leushin, A.V. Mialkovsky, V.A. Monchinskiy, D.O. Ponkin, I.V. Shirikov, JACoW Publishing, 2021
32. Magnetic Field Measurements for the NICA Collider Magnets and FAIR Quadrupole Units, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, А.В.Шемчук, 2021
33. Production and testing of NICA collider magnets, 12th International Particle Accelerator Conference (IPAC2021), Brazilian Center for Research in Energy and Materials (CNPEM), Campinas, SP, Brazil, Nikiforov D., 2021
34. Quadrupole Superconducting Model Magnet for Upgrade of the Nuclotron Synchrotron, 27th International Conference on Magnet Technology MT27, Fukuoka, Japan, H. Khodzhibagiyan, V. Kekelidze, A. Merkuriev, D. Nikiforov, M. Novikov\*, G. Kuznetsov, and G. Trubnikov, 2021
35. REGARDING TO THE “NEW NUCLOTRON” MAGNETIC-OPTICAL STRUCTURE CHOICE, XIV International scientific workshop to the memory of Professor V. P. Sarantsev, Joint Institute for Nuclear Research, Alushta, Russia, Butenko A. V., Khodzhibagiyan H. G., Mikhaylov V. A., Philippov A. V., Tuzikov A. V., Pleiades Publishing, Ltd., Physics of Particles and Nuclei Letters, Proceedings of the XIVth International scientific workshop to the memory of Professor V. P. Sarantsev, 2022
36. Stochastic Cooling System of the NICA Collider: Designing and Modeling, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, JACoW Publishing, 2021
37. Superconducting magnets for NICA project, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, Никифоров Д.Н., 2021
38. Методы контроля среднеквадратичной длины сгустка при инжекции в бустерный сверхпроводящий синхротрон комплекса NICA, XIV International scientific workshop to the memory of Professor V. P. Sarantsev, Joint Institute for Nuclear Research, Alushta, Russia, В.М.Жабицкий, 2022
39. Description of the beam diagnostics systems for the SOCIT, SODIT and SODIB applied research stations based on the NICA accelerator complex, ISBN: 978-3-95450-214-112th Int. Particle Acc. Conf. IPAC2021, Campinas, SP, Brazil, A. Slivin, A. Agapov, A. Baldin, A. Butenko, G. Filatov, K. Shipulin, E. Syresin, A. Tuzikov, T. Kulevoy, G. Timoshenko, Y. Titarenko, D. Bobrovskiy, A. Chumakov, S. Soloviev, A. Kubankin, I. Glebov, V. Luzanov, JACoW Publishing, 2021
40. Features of Reaching the Operating Vacuum in the Accelerators of the NICA Project, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, Artem Galimov, Alexei Nikolaevich Svidetelev (JINR, Dubna, Moscow Region), Andrey Butenko, Alexandr Victorovich Philippov, Alexander Tikhomirov (JINR/VBLHEP, Dubna, Moscow region), 2021
41. The Electron String Ion Sources (ESIS) cathode node electronics development,
The XXVI International Scientific Conference of Young Scientists and Specialists (AYSS-2022), Joint Institute for Nuclear Research, Dubna, Russia,
PEPAN, AYSS2022 proceedings, отправлена в печать, 2022
42. Applied Research Stations and New Beam Transfer Lines at the NICA Accelerator Complex, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, A. Slivin, A. Agapov, A.A. Baldin, A.V. Butenko, G.A. Filatov, A.R. Galimov, S.Yu. Kolesnikov, K.N. Shipulin, E. Syresin, G.N. Timoshenko, A. Tuzikov, V.I. Tyulkin, A.S. Vorozhtsov JINR, Dubna, Moscow Region, Russia S. Antoine, W. Beeckman, X.G. Duveau, и др., 172-175, 2021
43. BEAM LINES AND STATIONS FOR APPLIED RESEARCH BASED ON ION BEAMS EXTRACTED FROM NUCLOTRON,978-3-95450-227-1IPAC2022 13th International Particle Accelerator Conference, Synchrotron Light Research Institute, Bangkok, Thailand, G. Filatov, A. Slivin, A. Agapov, A. Baldin, A. Butenko, A. Galimov, S. Kolesnikov, K. Shipulin, E. Syresin, G. Timoshenko, A. Tuzikov, A. Vorozhtsov, T. Kulevoy, Y. Titarenko, D. Bobrovskiy, A. Chumakov, A. Kubankin, D. Firsov, Yu. Kubankin, P. Chernykh, и др., 3096-3098, JACoW Publishing, 2673-5490, 2022
44. CHALLENGES OF LOW ENERGY HADRON COLLIDERS, ,978-3-95450-227-1IPAC2022 13th International Particle Accelerator Conference, Synchrotron Light Research Institute, Bangkok, Thailand, Syresin E., Butenko A., Kostromin S., Lebedev V., Meshkov I., Philippov A., Sidorin A., Trubnikov G., Tuzikov A., 1825-1828, Joint Accelerator Conferences and Website, Proceedings of 13th International Particle Accelerator Conference (IPAC2022), 2022
45. COMMISSIONING OF THE SOCHI APPLIED STATION BEAM AND BEAM TRANSFER LINE AT THE NICA ACCELERATOR COMPLEX, 978-3-95450-227-1IPAC2022 13th International Particle Accelerator Conference, Synchrotron Light Research Institute, Bangkok, Thailand, A. Slivin, A. Agapov, A. Baldin, A. Butenko, D. Donets, G. Filatov, A. Galimov, K. Shipulin, E. Syresin , A. Tikhomirov, A. Tuzikov, V. Tyulkin, T. Kulevoy, Y. Titarenko, D. Bobrovskiy, A. Chumakov, S. Soloviev, A. Kubankin, I. Glebov, V. Luzanov, 3099-3101, JACoW Publishing, 2673-5490, 2022
46. Design and Optimization of the NICA Longitudinal Stochastic Cooling Pickup/Kicker, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, Osipov K.G., 2021
47. FIRST EXPERIMENTS WITH ACCELERATED ION BEAMS IN THE BOOSTER OF THE NICA ACCELERATOR COMPLEX, 12th International Particle Accelerator Conference (IPAC21), Brazilian Center for Research in Energy and Materials (CNPEM), Campinas, SP, Brazil, 123-125, JACoW Publishing, 2673-5490, 2021
48. LONGITUDINAL IMPEDANCE OF THE NICA COLLIDER RING AND ION BEAM STABILITY, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, S. Melnikov, E. Ahmanova, M. Korobitsina, I. Meshkov, K. Osipov, 239-241, 2673-5539, 2021
49. Minimization of NICA Collider impedance, 12th International Particle Accelerator Conference (IPAC2021), Brazilian Center for Research in Energy and Materials (CNPEM), Campinas, SP, Brazil, S. Melnikov, I. Meshkov, 2043-2045, 2673-5490, 2021
50. NICA ION COLLIDER AND PLANS OF ITS FIRST OPERATIONS, 978-3-95450-227-1IPAC2022 13th International Particle Accelerator Conference, Synchrotron Light Research Institute, Bangkok, Thailand, Syresin E., Brovko O. I., Butenko A. V., Galimov A. R., Gorbachev E. V., Kekelidze V., Khodzhibagiyan H. G., Kostromin S. A., Lebedev V. A., Meshkov I. N., Philippov A. V., Sidorin A. O., Trubnikov G. V., Tuzikov A., 1819-1821, Joint Accelerator Conferences and Website, Proceedings of 13th International Particle Accelerator Conference (IPAC2022), Proceedings of 13th International Particle Accelerator Conference (IPAC2022), 2022
51. Particle Collimation in the NICA Collider, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, O.S. Kozlov, I.N. Meshkov, E. Syresin, 2021
52. SYSTEM FOR MONITORING THE POWER SUPPLY CURRENTS OF A SUPERCONDUCTING BOOSTER SYNCHROTRON, IV International Scientific Forum “NUCLEAR SCIENCE AND TECHNOLOGIES” dedicated to the 65th anniversary of the Institute of Nuclear Physics, Алматы, Казахстан, Karpuk A., Akhmadrizyalov R., Karpinsky V., Kirov S., Kozlyakovskaya A., Sergeev A., Panfilov A., Tovstukha V., 52-52, 2022
53. THE DIPOLE MAGNETS ARRANGEMENT IN THE COLLIDER OF NICA COMPLEX, XIV International scientific workshop to the memory of Professor V. P. Sarantsev, Joint Institute for Nuclear Research, Alushta, Russia, A. V. Philippov, Pleiades Publishing, Ltd., Physics of Particles and Nuclei Letters, Proceedings of the XIVth International scientific workshop to the memory of Professor V.P. Sarantsev, 2022
54. Thermodynamic Characteristics of the Superconducting Quadrupole Magnets of the NICA Booster Synchrotron, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, A.A. Bortsova (Kotova), D.N. Nikiforov, H.G. Khodzhibagiyan, 1-3, 2021
55. TUNED DELAY UNIT FOR A STOCHASTIC COOLING SYSTEM AT NICA COLLIDER, 12th International Particle Accelerator Conference (IPAC21), Brazilian Center for Research in Energy and Materials (CNPEM), Campinas, SP, Brazil, 2186-2189, JACoW Publishing, 2673-5490, 2021
56. СONCEPTION OF HIGH INTENSIVE POLARIZED PROTON BEAM FORMATION IN NICA COLLIDER,978-3-95450-227-1IPAC2022 13th International Particle Accelerator Conference, Synchrotron Light Research Institute, Bangkok, Thailand, E. Syresin, A. Butenko, S. Kostromin, O. Kozlov, I. Meshkov, A. Sidorin, G. Trubnikov, A. Tuzikov, P. Zenkevich, N. Mityanina, S. Kolokochikov, Y. Senichev, Yu. Filatov, A. Kondratenko, M. Kondratenko, 1822-1824, JACoW Publishing, 2673-5490, 2022
57. NICA Collider Magnetic Field Correction System, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, M.M. Shandov, H.G. Khodzhibagiyan, S.A. Kostromin, O.S. Kozlov, I. Nikolaichuk, T. Parfylo, A.V. Philippov, A. Tuzikov, 2021
58. SERIAL MAGNETIC MEASUREMENTS OF THE NICA COLLIDER TWIN-APPERTURE DIPOLES. THE MAIN RESULTS, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, D. A. Zolotykh, V. V. Borisov, I. I. Donguzov, O. Golubitsky, H. G. Khodzhibagiyan, B. Kondratiev, S. A. Kostromin, I. Yu. Nikolaichuk, T. Parfylo, M. M. Shandov, A. V. Shemchuk, E. V. Zolotykh, 383-385, Joint Accelerator Conferences and Website (JACoW), 2673-5539, Proceedings of Russian Particle Accelerator Conference (RuPAC-2021), 2021
59. THE TECHNOLOGY BEHIND THE PRODUCTION OF DIFFERENT NICA COLLIDER MAGNETS, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, 159-161, JACoW, 2021
60. Vibrating Wire System for Fiducialization NICA Booster Superconducting Quadrupole Magnets, XXVII Russian Particle Accelerator Conference (RuPAC-2021), Scientific Council of RAS on Charged Particle Accelerators, Joint institute for nuclear research, Alushta, Russia, 379-382, 2673-5539, 2021
61. A.M. Malyshev, A.A. Krasnov, Ya.G. Kruchkov, S.A. Krutikhin, G.Y. Kurkin, A.Yu. Martynovsky, N.V. Mityanina, S.V. Motygin, A.A. Murasev, V.N. Osipov, V.M. Petrov, A.M. Pilan, E. Rotov, V.V. Tarnetsky, A.G. Tribendis, I.A. Zapryagaev, A.A. Zhukov, O.I. Brovko, I.N. Meshkov, E. M. Syresin, Barrier station RF1 of the NICA Collider. Design features and influence on beam dynamics, Proc. 27th Russian Particle Accelerator Conf. (RuPAC’21), Alushta, Russia, Sept. 2021, pp. 236-238. Doi:10.18429/JACoW-RuPAC2021-WEPSC15, 2021
62. A.Yu. Grebentsov, O.I. Brovko, A.V. Butenko, V.A. Gerklotts, A.M. Malyshev, V. D. Petrov, O.V. Prozorov, E. Syresin, A.A. Volodin A.M. Batrakov, S.A. Krutikhin, G.Y. Kurkin, V.M. Petrov, A.M. Pilan, E. Rotov, A.G. Tribendis, G.A. Fatkin, Booster RF system first beam tests, Proc. 27th Russian Particle Accelerator Conf. (RuPAC’21), Alushta, Russia, Sept. 2021, pp. 370-372. Doi:10.18429/JACoW-RuPAC2021-WEPSC14, 2021
63. A. Tribendis, Y. Biryuchevsky, K. Chernov, A. Dranitchnikov, E. Kenzhebulatov, A Kondakov, A. Krasnov, Y. Kruchkov, S. Krutikhin, G. Kurkin, A. Martynovsky, N. Mityanina, S. Motygin, A. Murasev, V. Osipov, V. Petrov, E. Pyata, E. Rotov, V. Tarnetsky, I. Zapryagaev, A. Zhukov, O. Brovko , E. Syresin, A. Malyshev, I. Meshkov, A. Zinkevich,, Construction and first test results of barrier and harmonic RF systems for NICA Collider, 12th Int. Particle Accelerator Conf. (IPAC/`/`21), Campinas Brazil, May 2021, p.1136-1139, doi:10.1849/JACOW-IPAC21-MOPAB365, 2021
64. A. Slivin, A. Agapov, A. Baldin, A. Butenko, G. Filatov, K. Shipulin, E. Syresin, G. Timoshenko, A. Tuzikov, T. Kulevoy, Y. Titarenko, D. Bobrovskiy, A. Chumakov, S. Soloviev, A. Kubankin, I. Glebov, V. Luzanov, Description of the beam diagnostic systems for the SOCIT, SODIT and SODIB applied research stations based on NICA accelerator complex, 12th Int. Particle Accelerator Conf. (IPAC/`/`21), Campinas Brazil, May 2021, p.946-948, doi:10.1849/JACOW-IPAC21-MOPAB300, 2021
65. E. Syresin, N. Zagibin, A.Tuzikov, Influence of injection kicker post pulses on storage of ion stack in NICA Collider, 12th Int. Particle Accelerator Conf. (IPAC/`/`21), Campinas Brazil, May 2021, p.93-95. doi:10.1849/JACOW-IPAC21-MOPAB017, 2021
66. G. Filatov, A. Slivin, E. Syresin, A. Vorozhtsov, A. Agapov, A. Butenko, K. Shipulin, A. Tuzikov S. Antoine, W. Beeckman, X. Duveau, J. Guerra-Phillips, P. Jehanno, Irradiation methods and infrastructure concepts of new beam lines for NICA applied research, 12th Int. Particle Accelerator Conf. (IPAC/`/`21), Campinas Brazil, May 2021, p.2498-2501, doi:10.1849/JACOW-IPAC21-TUPAB415, 2021
67. S. Kolokolchikov, Yu. Senichev, E. Syresin, Magneto-optical structure of the NICA Collider with high critical energy, Proc. 27th Russian Particle Accelerator Conf. (RuPAC/`/`21), Alushta, Russia, Sept. 2021, pp. 245-247. doi:10.18429/JACoW-RuPAC2021-TUPSB08, 2021
68. Shandov M. M., Khodzhibagiyan H. G., Kostromin S. A., Kozlov O. S., Nikolaichuk I., Parfylo T., Philippov A. V., Tuzikov A., NICA COLLIDER MAGNETIC FIELD CORRECTION SYSTEM, Joint Accelerator Conferences and Website (JACoW), Proceedings of Russian Particle Accelerator Conference (RuPAC-2021), 2021
69. E.Syresin, A. Baldin, A. Butenko, I. Gorelyshev, A. Kobets, S.Melnikov, I. Meshkov, K. Osipov, S. Semenov, A. Sergeev, A. Sidorin, G. Trubnikov, A. Bubley, N. Mityanina, V. Parkhomchuk, V. Reva, NICA synchrotrons and their cooling systems, Proc. 13th Workshop on Beam Cooling and Related Topics, COOL21, pp.1-5, Novosibirsk, Russia, doi:10.18429/JACoW-COOL2021-S101, 2021
70. АКТУАЛЬНЫЕ ЗАДАЧИ ИССЛЕДОВАНИЯ ДИНАМИКИ ПУЧКА В КОЛЛАЙДЕРЕ NICA, Козлов О. С., Костромин С. А., Мельников С. А., Мешков И. Н., Смирнов В. Л., Тузиков А. В., Филиппов А. В., Шандов М. М., Издательский отдел Объединённого института ядерных исследований, Препринт Объединённого института ядерных исследований, P9-2022-1, Дубна, 2022, 2022

BM@N

1. BM@N Collaboration: S.Afanasiev et al. “Production of π+ and K+ mesons in argon-nucleus in-teractions at 3.2 AGeV”, http://arxiv.org/abs/2303.16243 [hep-ex]
2. 2. D Baranov, M Kapishin, H R Schmidt, P Senger, V Vasendina, A Zinchenko, and D Zinchenko: "Feasibility studies of strangeness production in heavy-ion interactions at the BM@N experiment using Monte Carlo simulations"
3. Phys. Scr. 97 (2022) 084003
4. K. Alishina et al, "Charged Particle Identification by the Time-of-Flight Method in the BM@N Experiment", Physics of Particles and Nuclei, ISSN:ISSN 1063-7796, Изд:Pleiades Publishing, Ltd., 53, 2, 470–475, 2022
5. F. Guber et al.. Study of the spectator matter in heavy ion collisions at the BM@N experiment / F. Guber. [et al.] // Phys. Part. Nucl. – 2022 - V. 53. - Iss. 2 - P. 626.
6. D. Baranov et al., "Feasibility studies of strangeness production in heavy-ion interactions at the BM@N experiment using Monte Carlo simulations", Physica Scripta, Vol. 97, № 8, 084003, 2022
7. 6. P.Parfenov, Model study of the energy dependence of the anisotropic flow at energies 2-4.5 GeV, Particles 5 (2022) 4, 561-579
8. P. Batyuk, I. Gabdrakhmanov, S. Merts, "Embedding procedure as an instrument used for op-timal reconstruction of particle trajectories produced by the Lambda-0 decay products", Phys-ics of Elementary Particles and Atomic Nuclei (Physics of Particles and Nuclei)(PEPAN), ISSN:0367-2026, eISSN:1814-7445, Изд:JINR, Pablishing Department, ISSN:ISSN:0367-2026, eISSN:eISSN:1814-7445, Изд:JINR Dubna, Publishing Department, 53, 2, 174, 2022
9. A. Driuk, S. Merts, S. Nemniugin, "Global Tracking in the BM@N experiment" Physics of Ele-mentary Particles and Atomic Nuclei (Physics of Particles and Nuclei)(PEPAN), ISSN:0367-2026, eISSN:1814-7445, Изд:JINR, Pablishing Department, ISSN:ISSN:0367-2026, eISSN:eISSN:1814-7445, Изд:JINR Dubna, Publishing Department, 53, 2, 503, 2022
10. A. Driuk et al., "Performance optimization of simulation and event reconstruction software in the BM@N NICA experiment", Physics of Elementary Particles and Atomic Nuclei (Physics of Particles and Nuclei)(PEPAN), ISSN:0367-2026, eISSN:1814-7445, Изд:JINR, Pablishing De-partment, ISSN:ISSN:0367-2026, eISSN:eISSN:1814-7445, Изд:JINR Dubna, Publishing De-partment, 53, 2, 536, 2022
11. A. Myasnikov et al., "Parallel Event Reconstruction in BmnRoot Using the Proof System", Physics of Particles and Nuclei Letters, ISSN:1547-4771, Изд:Pleiades Publishing, 19, 577–579, 2022
12. D. Baranov, "Software development for tracking detectors in the BM@N experiment", Physics of Particles and Nuclei Letters, Vol. 19, №5(244), pp. 550-553, 2022
13. Д. Баранов, "Моделирование трекового детектора на основе трехкаскадного газового электронного умножителя для конфигурации первого физического сеанса эксперимен-та BM@N", Известия РАН. Серия физическая [прошло рецензента, направлено в пе-чать]
14. Baranov A.G. Measurement of the Parameters of the Forward Scintillator Wall of the BM@N Experiment / Baranov A.G. [et al.] / Instrum.Exp.Tech. – 2022 – v.65 - n. 1 – P. 42-46.
15. N. Karpushkin. ML Approaches for Centrality Determination with Forward Hadron Calorimeters in Heavy Ion Reactions // N. Karpushkin. [et al.] / Physics of Particles and Nuclei. – 2022 – Vol.53 – n.2 – P. 524-530.
16. В.В.Волков, М.Б.Голубева, Ф.Ф.Губер, А.А.Зубанков, А.П.Ивашкин, А.В.Известный, Н.М.Карпушкин, А.И.Махнев, С.В.Морозов, О.А.Петухов "ПЕРЕДНИЕ ДЕТЕКТОРЫ УСТАНОВКИ BM@N И ИЗУЧЕНИЕ ИХ ОТКЛИКА НА ПУЧКЕ ИОНОВ УГЛЕРОДА В ЭКСПЕРИМЕНТЕ SRC", ISSN 0020-4412, Instruments and Experimental Techniques, 2023, Vol. 66, No. 2, pp. 218–227. © Pleiades Publishing, Ltd., 2023.
17. Губер Ф.Ф., Ивашкин А.П., Карпушкин Н.М., Махнев А.И., Морозов С.В., Серебряков Д.В.
18. «Временное разрешение и световыход образцов сцинтилляционных детекторов для разрабатываемого времяпролетного детектора нейтронов эксперимента BM@N»,Принята в печать в ПТЭ.
19. K. Alishina, Yu. Stepanenko, A. Khukhaeva, "GEM residuals corrections in Monte-Carlo simu-lation for the Run-6 at the BM@N experiment", ISSN 1547-4771, Physics of Particles and Nu-clei Letters, 2022, Vol. 19, No. 5, pp. 485–488.
20. K. Alishina, Yu. Stepanenko, "TOF700 to ZDC track matching on the Ar data at the BM@N experiment" (Отправлено в Phys.Part.Nucl. 2023)
21. M. Mamaev, Perfomance towards spectator plane estimation in the BM@N experiment (PE-PAN Letters submitted)
22. P. Parfenov Scaling properties of anisotropic flow at Nuclotron-NICA energy range (PEPAN Letters submitted)
23. O. Golosov, Performance for Multi-Differential Measurements of Proton and Charged Kaon Directed Flow, Phys.Part.Nucl. 53 (2022) 2, 207-211
24. 16. М. Mamaev, The Baryonic Matter@Nuclotron Experiment: upgrade and physics program overview. (Physics of atomic Nuclei submitted)
25. I Segal, O. Golosov, M. Mamaev, . Methods for centrality determination in heavy-ion collisions with the BM@N experiment (Physics of atomic Nuclei submitted)
26. Alexandrov E., Alexandrov I., Chebotov A., Gertsenberger K., Filozova I., Priakhina D., Shestakova G. Status of the Configuration Information System for the NICA experiments // Physics of Particles and Nuclei Letters. 2022. Vol. 19. pp. 543–546.
27. Degtyarev A., Gertsenberger K., Klimai P. Usage of Apache Cassandra for Prototyping the Event Metadata System of the NICA Experiments // Physics of Particles and Nuclei Letters. 2022.
28. Myasnikov A., Merts S., Gertsenberger K., Driuk A., Nemnyugin S. Parallel Event Reconstruc-tion in BmnRoot using the PROOF System // Physics of Particles and Nuclei Letters. 2022. Vol. 19. pp. 577–579.
29. Chebotov A., Gertsenberger K., Klimai P., Moshkin A. Information System Based on the Con-dition Database for the NICA Experiments, User WEB Application, and Related Services // Physics of Particles and Nuclei Letters. 2022. Vol. 19. pp. 558–561.
30. Alexandrov E., Alexandrov I., Chebotov A., Degtyarev A., Filozova I., Gertsenberger K., Klimai P. and Yakovlev A. Implementation of the Event Metadata System for physics analysis in the NICA experiments // Journal of Physics: Conference Series. 2023. Vol. 2438. 012046.
31. Alexandrov E., Alexandrov I., Chebotov A., Gertsenberger K., Filozova I., Priakhina D. and Shestakova G. Configuration Information System for online processing and data monitoring in the NICA experiments // Journal of Physics: Conference Series. 2023. Vol. 2438. 012019.
32. Alexander Zinchenko, Mikhail Kapishin, Viktar Kireyeu, Vadim Kolesnikov, Alexander Mudrokh, Dilyana Suvarieva, Veronika Vasendina and Dmitry Zinchenko, "A Monte Carlo Study of Hyperon Production with the MPD and
33. BM@N Experiments at NICA", talk at the "Workshop on physics performance studies at NICA (NICA-2022)"
34. I. Gabdrakhmanov, "Online data processing and monitoring of the BM@N experiment", LXXII International conference "Nucleus-2022: Fundamental problems and applications", Lomonosov Moscow State University, Moscow, Russia, 11-16 July 2022
35. V. Plotnikov, "Production of pi+, K+ mesons in 3.2 AGeV argon-nucleus interactions at the Nu-clotron", Workshop on physics performance studies at NICA (NICA-2022), MEPhI, Moscow, Russia, 2022
36. S. Merts, "Studies of dense baryonic matter with the BM@N experiment at the Nuclotron", LXXII International conference "Nucleus-2022: Fundamental problems and applications", Lo-monosov MSU, Moscow, Russia, 11-16 July 2022
37. D. Baranov, "A method of calculating the electric field map of triple GEM detector for the first physics run of BM@N experiment", LXXII International conference "Nucleus-2022: Fundamen-tal problems and applications", Lomonosov MSU, Moscow, Russia, 11-16 July 2022
38. E. Zherebtsova. Study of the spectators charge distributions in event generators for the BM@N experiment // ICPPA 2022, 29.11.-2.12.2022. https://indico.particle.mephi.ru/event/275/contributions/3298/
39. A. Zubankov. Online monitoring of the forward detectors of the BM@N experiment with Xe beam. // ICPPA 2022. 29.11-02.12.2022 https://indico.particle.mephi.ru/event/275/contributions/3372/
40. N. Karpushkin. Commissioning of the forward detectors of the BM@N experiment // ICPPA 2022, 29.11-02.12.2022 https://indico.particle.mephi.ru/event/275/contributions/3139/
41. K. Alishina, "TOF700 to ZDC track matching on the Ar - data at the BM@N experiment", The XXVI International Scientific Conference of Young Scientists and Specialists (AYSS-2022), JINR, Dubna, Russia, 24 – 28 October 2022
42. K. Alishina, "A study of the correlation between the kinetic energy of a track and its energy re-sponse in the ZDC for run7 on the BM@N experiment", 133rd session of the Scientific Council, JINR, Dubna, Russia, 16-17 February 2023.
43. Международная конференция “LXXII International conference “Nucleus-2022: Fundamental problems and applications”, 11-16.07.2022, Парфенов Петр Евгеньевич: “Model study of the energy dependence of the correlation between anisotropic flow and the mean transverse mo-mentum in Au+Au collisions”
44. Международная конференция “LXXII International conference “Nucleus-2022: Fundamental problems and applications”, 11-16.07.2022, Андомина Александра Евгеньевна, Сегаль Илья Вадимович “Application of the MC-Glauber approach for centrality determination in heavy-ion collisions with the BM@N experiment”
45. Международная конференция “LXXII International conference “Nucleus-2022: Fundamental problems and applications”, 11-16.07.2022, Мамаев Михаил Валерьевич “Performance for spectator symmetry plane estimation with the BM@N experiment”
46. Международная конференция “The XXVI International Scientific Conference of Young Sci-entists and Specialists (AYSS-2022)”, 24-28.10.2022, Мамаев Михаил Валерьевич “Perfor-mance for spectator symmetry plane estimation with the BM@N experiment”
47. Международная конференция “The XXVI International Scientific Conference of Young Sci-entists and Specialists (AYSS-2022)”, 24-28.10.2022, Парфенов Петр Евгеньевич “Scaling properties of anisotropic flow at Nuclotron-NICA energy range”
48. Международная конференция “The 6th international conference on particle physics and as-trophysics (ICPPA-2022)”, 29.11-2.12.2022, Парфенов Петр Евгеньевич “Scaling properties of anisotropic flow at Nuclotron-NICA energies”
49. Международная конференция “The 6th international conference on particle physics and as-trophysics (ICPPA-2022)”, 29.11-2.12.2022, Сегаль И.В, Голосов О.В “Methods for centrality determination in heavy-ion collisions with the BM@N experiment ”
50. Международная конференция “The 6th international conference on particle physics and as-trophysics (ICPPA-2022)”, 29.11-2.12.2022, Мамаев М.В , “The Baryonic Matter@Nuclotron Experiment: upgrade and physics program overview ”
51. 1. Герценбергер К. Информационные системы и сервисы сопровождения эксперимента BM@N. 2022, пленарный доклад на Школе по информационным технологиям ОИЯИ, ЛИТ ОИЯИ, Дубна, Россия.
52. Chebotov A. Information Systems for the BM@N experiment and Common Deployment Ser-vice, The XXVI International Scientific Conference of Young Scientists and Specialists (AYSS-2022).
53. Degtyarev A. Web interface and REST API for BM@N Event Metadata System. The XXVI In-ternational Scientific Conference of Young Scientists and Specialists (AYSS-2022).
54. Priakhina D. Simulation results of BM@N computing infrastructure. The XXVI International Scientific Conference of Young Scientists and Specialists (AYSS-2022).
55. Romanov I. Development of the Online Data Processing System for the BM@N experiment at NICA. The XXVI International Scientific Conference of Young Scientists and Specialists (AYSS-2022).
56. Zelenyi M. Development of services for the condition database of the BM@N experiment at NICA. The XXVI International Scientific Conference of Young Scientists and Specialists (AYSS-2022).

MPD

1. NICA White paper, https://bmn.jinr.ru/wp-content/uploads/2019/07/NICA\_WhitePaper\_10.01.pdf
2. V. Abgaryan et al., Status and initial physics performance studies of the MPD experiment at NICA, Eur.Phys.J.A 58 (2022) 7, 140
3. J. Drnoyan et al., Perspectives of Strangeness Study at NICA/MPD from Realistic Monte Carlo Simulation, Phys.Part.Nucl. 53 (2022) 2, 203-206
4. E. Kryshen et al., Neutral Mesons and Dielectrons, Phys.Part.Nucl. 52 (2021) 4, 686-690
5. N. Geraksiev et al., Performance of the MPD Detector for the Study of Multi-strange Baryon Production in Heavy-ion Collisions at the Nuclotron-based Ion Collider Facility (NICA), Acta Physica Polonica B Proceedings Supplement 14 (2021) 3, 529-532
6. V. Riabov et al., Hadronic resonances in heavy-ion collisions at NICA energies and their reconstruction in the MPD setup, Int.J.Mod.Phys.A 37 (2022) 34, 2244003
7. Aparin et al., Centrality Determination in MPD at NICA, Phys.Part.Nucl.Lett. 19 (2022) 5, 489-492
8. D. Myktybekov(Dubna, JINR and IPT, Kazakstan and Al Farabi Kazakh Natl. U.), O. Rogachevsky(Dubna, JINR), S. Sabyr(Dubna, JINR and IPT, Kazakstan), Study of Material Budget of the MPD Detectors, Phys.Part.Nucl.Lett. 19 (2022) 5, 497-500
9. V. Riabov (Dubna, JINR), Hadronic resonances in heavy-ion collisions at NICA energies and their reconstruction in the MPD setup Int.J.Mod.Phys.A 37 (2022) 34, 2244003
10. V.P. Kondratyev(St. Petersburg State U. and Dubna, JINR), N.A. Maltsev(St. Petersburg State U. and Dubna, JINR), Yu. A. Murin (Dubna, JINR), Identification Capability of the Inner Tracking System for Detecting D Mesons at the NICA-MPD Facility, Bull.Russ.Acad.Sci.Phys. 86 (2022) 8, 1005-1009Mudrokh (Dubna, JINR),
11. V.Kolesnikov(Dubna, JINR), Performance of the MPD Detector in the Study of Strangeness Production and Event-by-Event Fluctuations in Au + Au Collisions at NICA, Phys.Part.Nucl. 53 (2022) 2, 292-296 • Contribution to: Nucleus 2020, 292-296
12. D. Zinchenko (Dubna, JINR), A. Zinchenko(Dubna, JINR), E. Nikonov(Dubna, JINR), Track Reconstruction in the Upgraded Tracking System of MPD/NICA, Phys.Part.Nucl. 53 (2022) 2, 519-523
13. J. Drnoyan(Dubna, JINR), V. Kolesnikov(Dubna, JINR), A. Mudrokh(Dubna, JINR), V. Vasendina(Dubna, JINR), A. Zinchenko(Dubna, JINR), Perspectives of Strangeness Study at NICA/MPD from Realistic Monte Carlo Simulation, Phys.Part.Nucl. 53 (2022) 2, 203-206
14. V.G. Bayev(Joint Inst. Power Nucl. Res., Minsk), K.G. Afanaciev(Joint Inst. Power Nucl. Res., Minsk and Dubna, JINR), S.A. Movchan(Dubna, JINR), A. Gongadze(Dubna, JINR and Tbilisi, Inst. Phys.), V.V. Akulich(Minsk, Inst. Phys.) et al., Improving the robustness of Micromegas detector with resistive DLC anode for the upgrade of the TPC readout chambers of the MPD experiment at the NICA collider, Nucl.Instrum.Meth.A 1031 (2022) 166528
15. Maevskiy(Higher Sch. of Economics, Moscow), F. Ratnikov(Higher Sch. of Economics, Moscow and Yandex Sch. Data Anal., Moscow), A. Zinchenko(Dubna, JINR), V. Riabov(St. Petersburg, INP), A. Sukhorosov(Higher Sch. of Economics, Moscow) et al., Generative Adversarial Networks for the fast simulation of the Time Projection Chamber responses at the MPD detector, J.Phys.Conf.Ser. 2438 (2023) 1, 012087
16. V. Abgaryan(Yerevan Phys. Inst. and Dubna, JINR) et al., Status and initial physics performance studies of the MPD experiment at NICA, Eur.Phys.J.A 58 (2022) 7, 140
17. V.I. Kolesnikov(Dubna, JINR), V.A. Kireyeu(Dubna, JINR), A.A. Mudrokh(Dubna, JINR), V.A. Vasendina(Dubna, JINR), A.I. Zinchenko(Dubna, JINR) et al., Monte Carlo Studies of the MPD Detector Performance for the Measurement of Hypertritons in Heavy-Ion Collisions at NICA Energies, Phys.Part.Nucl.Lett. 19 (2022) 1, 46-53
18. Kisiel (Dubna, JINR and Warsaw U. of Tech.), The NICA Complex and the MPD experiment at JINR: status and physics potential, EPJ Web Conf. 259 (2022) 09002
19. J.R. Drnoyan(Dubna, JINR), V.I. Kolesnikov(Dubna, JINR), E.A. Levterova(Dubna, JINR), A.A. Mudrokh(Dubna, JINR), V.A. Vasendina(Dubna, JINR) et al., Detailed Study of the MPD Detector Performance for Reconstruction of Hyperons in Heavy-Ion Collisions at NICA Energies, Phys.Part.Nucl.Lett. 18 (2021) 6, 676-686
20. Valentin V. Ustinov(Dubna, JINR and Dubna Intl. Univ. and Lebedev Inst.), Olga V. Kutinova(Dubna, JINR and Dubna Intl. Univ.), Evgeny V. Sukhov(Dubna, JINR and Dubna Intl. Univ.), Development of the scintillation counters for calibration of the NICA-MPD electromagnetic calorimeter modules, AIP Conf.Proc. 2377 (2021) 1, 030019
21. I.N. Eremkina, V.Y. Rogov, S.V. Sergeev, V.I. Yurevich, Development of the MPD fast forward detector electronics test bench, AIP Conf.Proc. 2377 (2021) 1, 030006
22. N. Kutovskiy(Dubna, JINR), V. Mitsyn(Dubna, JINR), A. Moshkin(Dubna, JINR), I. Pelevanyuk(Dubna, JINR), D. Podgayny(Dubna, JINR) et al., Integration of Distributed Heterogeneous Computing Resources for the MPD Experiment with DIRAC Interware, Phys.Part.Nucl. 52 (2021) 4, 835-841
23. MPD-ITS Collaboration•Yu. A. Murin(Dubna, JINR) et al., The Inner Tracking System for the MPD Setup of the NICA Collider, Phys.Part.Nucl. 52 (2021) 4, 742-751
24. V.P. Kondratiev(Dubna, JINR and St. Petersburg State U.), N.A. Maltsev(Dubna, JINR and St. Petersburg State U.), Yu. A. Murin(Dubna, JINR), MPD ITS Physical Simulations with Focus on Charmed Mesons, Phys.Part.Nucl. 52 (2021) 4, 737-741
25. Mudrokh(Dubna, JINR) et al., Feasibility Study for the Net-Proton and Net-Kaon Event-by-Event Fluctuations Measurements with the MPD Detector, Phys.Part.Nucl. 52 (2021) 4, 644-647
26. Kisiel(Warsaw U. of Tech. and Dubna, JINR), Overview of the MPD Experiment, Phys.Part.Nucl. 52 (2021) 4, 501-505
27. V. Kolesnikov(Dubna, JINR), A. Mudrokh(Dubna, JINR), MPD Prospects for the Study of Strangeness Production at NICA Energies, Phys.Part.Nucl. 52 (2021) 4, 698-702
28. Zinchenko(Dubna, JINR), J. Drnoyan(Dubna, JINR), V. Kolesnikov(Dubna, JINR), A. Mudrokh(Dubna, JINR), I. Rufanov(Dubna, JINR) et al., Event Reconstruction and Physics Signal Selection in the MPD Experiment at NICA, Phys.Part.Nucl. 52 (2021) 4, 691-697
29. Krylov(Dubna, JINR and Moscow State U.), O. Rogachevsky(Dubna, JINR and Dubna Intl. Univ.), V. Krylov(Dubna, JINR), A. Bychkov(Dubna, JINR), V. Voronyuk(Dubna, JINR) et al., Web Interactive 3D Event Display for the MPD Experiment at the NICA Collider, Phys.Part.Nucl. 52 (2021) 4, 821-825
30. Bychkov(Dubna, JINR), O. Rogachevsky(Dubna, JINR and Dubna Intl. Univ.), Simulations of a Laser Calibration System and Electron Drift Velocity Determination for the MPD TPC, Phys.Part.Nucl. 52 (2021) 4, 779-782
31. V.A. Baskov(Lebedev Inst.), S.A. Bulychjov(Kurchatov Inst., Moscow), Yu. F. Krechetov(Dubna, JINR), V.V. Kulikov(Kurchatov Inst., Moscow), M.A. Martemianov(Kurchatov Inst., Moscow) et al., Electron Beam Test of the MPD Electromagnetic Calorimeter on the Pakhra Synchrotron, Phys.Part.Nucl. 52 (2021) 4, 663-668
32. Rufanov(Dubna, JINR), A. Zinchenko(Dubna, JINR), Electron Identification from dE/dx Measurements in the MPD TPC, Phys.Part.Nucl. 52 (2021) 4, 783-787
33. D. Zinchenko(Dubna, JINR), A. Zinchenko(Dubna, JINR), E. Nikonov(Dubna, JINR), Development of a Vector Finder Toolkit for Track Reconstruction in MPD ITS, Phys.Part.Nucl. 52 (2021) 4, 788-792
34. O.V. Rogachevsky(Dubna, JINR and Dubna Intl. Univ.), A.V. Bychkov(Dubna, JINR), A.V. Krylov(Dubna, JINR), V.A. Krylov(Dubna, JINR), A.A. Moshkin(Dubna, JINR) et al., Software Development and Computing for the MPD Experiment, Phys.Part.Nucl. 52 (2021) 4, 817-820
35. Drnoyan(Dubna, JINR), V. Kolesnikov(Dubna, JINR), A. Mudrokh(Dubna, JINR), I. Rufanov(Dubna, JINR), V. Vasendina(Dubna, JINR) et al., Evaluation of Prospects for Hypernuclei Studies with MPD at NICA, Phys.Part.Nucl. 52 (2021) 4, 720-724
36. E. Nazarova(Dubna, JINR), R. Akhat(Dubna, JINR and IPT, Kazakstan), M. Baznat(Dubna, JINR and IAP, Chisinau), O. Teryaev(Dubna, JINR), A. Zinchenko(Dubna, JINR), Monte Carlo Study of Λ snd anti-Λ Polarization at MPD, Phys.Part.Nucl.Lett. 18 (2021) 4, 429-438
37. Dmitry Zinchenko(Dubna, JINR), Eduard Nikonov(Dubna, JINR), Veronika Vasendina(Dubna, JINR), Alexander Zinchenko(Dubna, JINR), A Vector Finder Toolkit for Track Reconstruction in MPD ITS, Particles 4 (2021) 2, 186-193
38. Alexander Zinchenko(Dubna, JINR), Techniques for Reconstruction of Strange Objects at MPD, Particles 4 (2021) 2, 178-185
39. Dmitrii Zinchenko(Dubna, JINR), Alexander Zinchenko(Dubna, JINR), Eduard Nikonov(Dubna, JINR), Vector Finder—A Toolkit for Track Finding in the MPD Experiment, Phys.Part.Nucl.Lett. 18 (2021) 1, 107-114
40. Kisiel (Dubna, JINR and Warsaw U. of Tech.) for the collaboration, The MPD Experiment and JINR: construction status and physics performance, Nucl.Phys.A 1005 (2021) 122006
41. N. Geraksiev(Dubna, JINR and Plovdiv U.), Performance of the MPD Detector for the Study of Multi-strange Baryon Production in Heavy-ion Collisions at the Nuclotron-based Ion Collider Facility (NICA), Acta Physica Polonica B Proceedings Supplement 14 (2021) 3, 529-532
42. V. Kondratiev(St. Petersburg State U.), C. Ceballos(Dubna, JINR), S. Igolkin(St. Petersburg State U.), A. Kolozhvari(Dubna, JINR), Y. Murin(Dubna, JINR) et al., Detection of D-meson Decays in the Tracking System of NICA-MPD, Acta Physica Polonica B Proceedings Supplement 14 (2021) 3, 497-501
43. Chlopik(NCBJ, Swierk and Dubna, JINR), A. Bancer(NCBJ, Swierk), M. Bielewicz(NCBJ, Swierk and Dubna, JINR), A. Dudzinski(NCBJ, Swierk), E. Jaworska(NCBJ, Swierk) et al., The Dosimetry Protection of the MPD Electronic Equipment at the New NICA Collider — the Prototype System, Acta Physica Polonica B Proceedings Supplement 14 (2021) 3, 549-554
44. Bychkov(Dubna, JINR), V. Kekelidze(Dubna, JINR), O. Rogachevsky(Dubna, JINR), R. Esenov(Dubna, JINR and Unlisted, RU), D. Kibizov(Dubna, JINR and Unlisted, RU) et al., Material Budget Study of the MPD Detector at the NICA Collider, Acta Physica Polonica B Proceedings Supplement 14 (2021) 3, 511-514 • Contribution to: NICA days 2019 and IV MPD Collaboration Meeting, 511-514
45. Dimitrii Zinchenko(LHEP JINR, Dubna), Alexander Zinchenko(LHEP JINR, Dubna), Eduard Nikonov(Dubna, JINR), Development of Algorithms for Track Reconstruction and Matching in the ITS and TPC Detectors at MPD/NICA, Acta Physica Polonica B Proceedings Supplement 14 (2021) 3, 519-523
46. V. Abgaryan et al. (MPD Collaboration). Status and initial physics performance studies of the MPD experiment at NICA. Eur. Phys. J. A 58, 140 (2022). <https://doi.org/10.1140/epja/s10050-022-00750-6>
47. Kovalenko et al., Status of the NICA project at JINR, EPJ Web Conf. 191 (2018) 01003. https://doi.org/10.1051/epjconf/201819101003
48. S. Vereschagin et al., Time-projection chamber for Multi-Purpose Detector of NICA project at JINR. Nuclear Inst. and Methods in Physics Research A, Изд:Elsevier Science Limited, V.958, Article 162793, pp. 1-3, April 2020 https://iopscience.iop.org/article/10.1088/1748-0221/15/07/C07017
49. A.Averyanov et al., Time Projection Chamber for Multi-Purpose Detector at NICA // Time Projection Chamber for Multi-Purpose Detector at NICA. http://mpd.jinr.ru/wp-content/uploads/2019/01/TpcTdr-v07.pdf
50. J. Adolfsson et al., SAMPA Chip: the New 32 Channels ASIC for the ALICE TPC and MCH Upgrades, Journal of Instrumentation, 12-04-C04008 , ISSN:1748-0221, Изд:IOP Publishing, 2017
51. V.Abaryan et al., MPD collaboration, Status and initial physics performance studies of the MPD experiment at NICA // Eur.Phys.J. A, N58, 140-189, 2022 https://doi.org/10.1140/epja/s10050-022-00750-6
52. A. Bazhazhin\* et. al. (on behalf of the TPC/MPD group)//The LXXI International conference "NUCLEUS – 2021. Nuclear physics and elementary particle physics. Nuclear physics technologies", St. Petersburg State University, National Research Center, St.Petersburg, Russia; https://indico.cern.ch/event/1012633/contributions/4476734/attachments/2316137/3942889/TPC status of MPD-NICA\_\_Bazhazhin\_24092021.pdf
53. V. Abgaryan et al. (MPD Collaboration) Status and initial physics performance studies of the MPD experiment at NICA //arXiv:2202.08970 [physics.ins-det], 53, arXiv, 2022.
54. V.M. Baryshnikov et al., Software Method of Determination of the Event Collision Time with the TOF Detector of the MPD at NICA. Принята к публикации AIP conference proceedings в 2022 году.
55. Барышников В.М., и др., Статус времяпролетной системы TOF эксперимента MPD на коллайдере NICA, направлено в журнал «Ученые записки Физического факультета МГУ».
56. V.M. Baryshnikov et al., «Status of the Time-of-Flight System of the MPD Experiment at the NICA Collider, готовится к публикации в «Physics of Atomic Nuclei».
57. V.A. Babkin et al., Bayesian Approach to Particles Identification in the MPD Experiment, готова к публикации в журнале «Письма ЭЧАЯ».
58. Measurements of Spectators with Forward Hadron Calorimeter in MPD/NICA Experiment, Ivashkin et al. Phys.Part.Nucl. 52 (2021) 4, 578-583, DOI: 10.1134/S1063779621040298
59. Application of FHCal for Heavy-Ion Collision Centrality Determination in MPD/NICA Experiment. Vadim Volkov et al. Particles 4 (2021) 2, 236-240, DOI: 10.3390/particles4020022
60. Reconstruction of energy and collision point of heavy ions with forward hadron calorimeter at MPD setup. Alexander O. Strizhak. AIP Conference Proceedings 2377, 030015 (2021) DOI: 10.1063/5.0063348
61. V. Abgaryan et al. (MPD Collaboration), Status and initial physics performance studies of the MPD experiment at NICA, Eur.Phys.J. A 58, pp. 140 -189 (2022).
62. Production and quality control of NICA-MPD shashlik electromagnetic calorimeter in Tsinghua University. Y. Li1, C. Shen1, Z. Zhang1, Y. Wang1, Z. Deng1, X. Ran1, X. Zhang1, L. Li1, S. Liang1, D. Han1, V. Golovatyuk2, I. Tyapkin2, Y. Krechetov2 and Y. Li1Hide Published 14 April 2022 • © 2022 IOP Publishing Ltd and Sissa Medialab Journal of Instrumentation, Volume 17, April 2022, Citation Y. Li et al 2022 JINST 17 T04005
63. Alekseev V. I, Baskov V. A., Varfolomeeva E. A., Dronov V. A., L'vov A. I, Kolzov A., Krechetov Yu. F., Polyansky V. V., Sidorin S. S. The Energy Characteristics of a multichannel Scintillation Spectrometer. INSTRUMENTS AND EXPERIMENTAL TECHNIQUES, 2021, v.64, N5, pp.663-668 https://doi.org/10.1134/S0020441221050018
64. Alekseev V. I., Baskov V. A., Dronov V. A., L'vov A. I., Koltsov A. V, Krechetov Yu. F., Polyansky V. V., Sidorin S. S. A Scintillation Hodoscopic Spectrometer. INSTRUMENTS AND EXPERIMENTAL TECHNIQUES, 2021, v.64, N.1, pp.34-39, https://doi.org/10.1134/S0020441221010024
65. Алексеев В.И., Басков В.А., Варфоломеева Е.А., Дронов В.А., Львов А.И., Кольцов А.В., Кречетов Ю.Ф., Полянский В.В., Сидорин С.С. ЭНЕРГЕТИЧЕСКИЕ ХАРАКТЕРИСТИКИ МНОГОКАНАЛЬНОГО СЦИНТИЛЛЯЦИОННОГО СПЕКТРОМЕТРА. ПТЭ, 2021, №.5, с. 28-33, DOI: 10.31857/S0032816221050013
66. V. A. Baskov, S. A. Bulychjov, Yu. F. Krechetov, V. V. Kulikov, M. A. Martemianov, I. A. Mamonov, A. Yu. Semenov, I. A. Semenova, I. A. Tyapkin. Electron Beam Test of the MPD Electromagnetic Calorimeter on the Pakhra Synchrotron. PHYSICS OF PARTICLES AND NUCLEI, 2021, v.52, N.4, pp.663-668 https://doi.org/10.1134/S1063779621040110
67. Status and initial physics performance studies of the MPD experiment at NICA. MPD Collaboration: В. Абгарян, Г.С.Аверичев, …. Ю.Ф. Кречетов …. Eur.Phys.J. A, 2022, v.58, p. 140-189
68. 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, Electromagnetic Calorimeter for MPD Spectrometer at NICA Collider, Feb 17, 2020, Submitted to JINST. e-Print: arXiv:2002.07709 [physics.ins-det]
69. A.Yu. Semenov, I.A. Semenova, M. Bhattacharjee, A. Durum, Yu. Krechetov, V. Kulikov, I. Mamonov, M. Martemianov, Calibration of MPD Electromagnetic Calorimeter with Muons, Feb 17, 2020. Submitted to JINST. e-Print: arXiv:2002.06908 [physics.ins-det]
70. Г. Д.Мильнов, А. Г.Литвиненко, А.И.Малахов, Е. В. Сухов, В. В. Устинов, «ВРЕМЕННЫЕ ХАРАКТЕРИСТИКИ СЦИНТИЛЛЯЦИОННОГО СЧЕТЧИКА ДЕТЕКТОРА ИЗМЕРЕНИЯ СВЕТИМОСТИ НА NICA» // Письма в ЭЧАЯ. 2022. Т. 19, № 4(243). С. 271–280
71. С.П.Авдеев, С.Г.Бузин, М.Г.Буряков, В.М.Головатюк, А.И.Малахов, Г.Д.Мильнов, А.Б.Курепин, А.Г. Литвиненко, Е.И. Литвиненко, «Детектор настройки сведения пучков и определения светимости в точке взаимодействия на MPD NICA» // Препринт Объединённого Института Ядерных Исследований, Дубна Р13-2022-40 (http://www1.jinr.ru/Preprints/2022/).
72. Workshop on physics performance studies at NICA (NICA-2022), virtual, 13-15 December, 2022: E. Nazarova - Study of hyperon global polarization at MPD; A. Zinchenko - Study of strangeness production in the MPD and BM@N
73. 6th International Conference on Particle Physics and Astrophysics, Moscow, 29 November - 2 December, 2022: S. Movchan - MPD TPC Status; V. Kolesnikov - Feasibility study of hypernuclei production at NICA-MPD; B. Victor - Status of the Time-of-Flight system of the MPD experiment at the NICA Collider; S. Vereschagin - Data acquisition system of the TPC/MPD detector of the NICA project; D. Suvarieva - Optimization of techniques for lambda hyperon meaurement at MPD/NICA; V. Kuzmin - TPC MPD alignment
74. DAE-BRNS symposium on CETHENP 2022, India, 15-17 November, 2022: S. Rode - Prospects for Dilepton Measurements in MPD at NICA
75. XVIII Mexican workshop on Particles and Fields, Mexica, 21-25 November: I. Maldonado - Core Corona Model: A tool to study hyperon global polarization using the Multi Purpose Detector at NICA energies
76. European Nuclear Physics Conference 2022 (EuNPC 2022), Spain, 24-28 October, 2022: I. Maldonado - The road to first physics with the MPD at NICA
77. Nucleus-2022, Moscow, 11-16 July, 2022: A. Mudrokh - MPD prospects for the study of hadron and (hyper)nuclei production at NICA energies; B. O. Lavrov - Search for nucleon-nucleon correlations in nucleus-nucleus collisions at the MPD/NICA
78. ECT\* workshop LFC22, Italy, 29 August - 2 September, 2022: M. Barabanov - Probing of charmonium and exotics structure with hadron and heavy ion collisions; S. Rode - Dilepton measurements
79. Nucleus 2021, St.Petersburg, 20-25 September, 2021: Aparin - Investigation of light flavor particle production at the MPD experiment;
80. S.Movchan (TPC MPD Collaboration), «MPD TPC status”// 7th Collaboration meeting, Dubna, Russia, April 21 2021
81. S.Movchan (TPC MPD Collaboration), «MPD/NICA TPC assembling”// 8th Collaboration meeting, Dubna, Russia, November 11 2021
82. Sergey Movchan, TPC MPD Collaboration, IX Collaboration Meeting of the MPD Experiment at the NICA Facility, JINR, Dubna, Russia, April 2022
83. Sergey Movchan, TPC MPD Collaboration, MPD TPC status X Collaboration Meeting of the MPD Experiment at the NICA Facility, JINR, Dubna, Russia, November 2022
84. A.Bazhazhin, TPC MPD Collaboration, STATUS OF THE TIME PROJECTION CHAMBER FOR THE MPD/NICA PROJECT, V International Scientific Forum “NUCLEAR SCIENCE AND ТECHNOLOGIES” dedicated to the 65th anniversary of the Institute of Nuclear Physics, Almaty, Republic of Kazakhstan, Russia, September 26-30, 2022
85. S.Movchan «MPD TPC status”// 6th international conference on particle physics and astrophysics ICPPA2022, Москва, Россия, 29 ноября -2 декабря 2022
86. The 6th international conference on particle physics and astrophysics (29 November 2022 - 2 December 2022) (mephi.ru): V.A. Babkin, VII MPD Collaboration Meeting, TOF status, Dubna, 21.04.2021; V.A. Babkin, VIII MPD Collaboration Meeting, TOF status, Dubna, 12.10.2021; M.M. Rumyantsev, IX MPD Collaboration Meeting, TOF status, Dubna, 25.04.2022; V.A. Babkin, X MPD Collaboration Meeting, TOF status, Dubna, 9.11.2022;
87. V.M. Baryshnikov, Software method of determination of the event collision time with the ToF detector of the MPD at the NICA. JINR Association of Young Scientists and Specialists (AYSS), Conference "Alushta-XI", Alushta, Russia, 5-12 June 2022.
88. V.M. Baryshnikov, Software method of determination of the event collision time with the TOF detector of the MPD at NICA. The IV International Scientific Forum “Nuclear science and Technologies”, Kazakhstan, Almaty, 26-30 September 2022.
89. Барышников В.М., Статус времяпролетной системы TOF эксперимента MPD на коллайдере NICA, XXIII межвузовская молодежная научная школа-конференция имени Б. С. Ишханова «Концентрированные потоки энергии в космической технике, электронике, экологии и медицине», РФ, г. Москва, НИИЯФ МГУ, 23–24 ноября 2022 года.
90. V.M. Baryshnikov, Status of the Time-of-Flight System of the MPD Experiment at the NICA Collider, The 6th international conference on particle physics and astrophysics 2022 (ICPPA-2022), Moscow, Russia, National Research Nuclear University «MEPhI», 29.11 – 2.12.2022; IX Collaboration Meeting of the MPD Experiment at the NICA Facility (April 25-27, 2022) <https://indico.jinr.ru/event/2933/>; X Collaboration Meeting of the MPD Experiment at the NICA Facility (April 25-27, 2022) <https://indico.jinr.ru/event/3251/>
91. С.А.Мовчан “TPC status” // Школа молодых ученых «Коллайдер NICA, эксперимент MPD и его основные задача», Северо-Осетинский Государственный Университет, Информационный центр ОИЯИ на Юге России, г. Владикавказ, ул. Маркуса, 24, 10 июня – 12 июня 2021 г.

SPD

1. A. Arbuzov et al., On the physics potential to study the gluon content of proton and deuteron at NICA SPD Prog. Part. Nucl. Phys. 119 (2021), 103858 [hep-ex/201115005] IF 12.30
2. V. V. Abramov et al., Possible studies at the first stage of the NICA collider operation with polarized and unpolarized proton and deuteron beams [hep-ex/210208477] Physics of Particles and Nuclei volume 52, pages 1044–1119 (2021) IF 0.71
3. N. Barlykov, et al., MiniSPD Stand for Testing Si-Detectors, Nonlin.Phenom.Complex Syst. 25 (2022) 3, 254-265 IF 0.47
4. V. Bautin, et. al., VMM3 ASIC as a potential front end electronics solution for future Straw Trackers, NIM A 2023, 167864 IF 1.36
5. A. P. Potylitsyn, B. A. Alekseev, A. V. Vukolov, M. V. Shevelev, A. A. Baldin, V. V. Bleko, P. V. Karataev, A. S. Kubankin, Monochromatic Optical Cherenkov Radiation of Moderately Relativistic Ions in Radiators with Frequency Dispersion, JETP Letters, 115, 8, 439-443, 2022 IF 0.57
6. M. Baznat, et. al., Cascade Models in Simulation of Extended Heavy Targets Irradiated by Accelerated Proton and Deuteron Beams, Physics of Particles and Nuclei Letters, 53, 5, 1219, 2022 IF 0.57
7. P. G. Filonchik, M. V. Zhabitsky, Fast way to determine pp-collision time at the SPD experiment, submitted to PEPAN Letters IF 0.57
8. H.G. Khodzhibagiyan et. al., Solenoid for Spin Physics Detector at NICA from the Nuclotron-Type Superconducting Cable, Phys.Part.Nucl.Lett. 19 (2022) 4, 397-401 IF 0.57
9. В.М. Абазов, et. al., Стенд для измерения натяжения проволок в проволочных камерах, Письма в ЭЧАЯ. 2022. Т.19, № 5(244). С.398–404 IF 0.57
10. V. Alexakhin, A. Guskov, Z. Hayman, et al. On the Study of Antiprotons Yield in Hadronic Collisions at NICA SPD. Phys. Part. Nucl. Lett. 18 (2021) 196–201 IF 0.57
11. V. Dormenev et al., Multipurpose Ce-doped Ba-Gd silica glass scintillator for radiation measurements, Nucl. Instrum. Meth. A 1015 (2021) 165762
12. V.M. Abazov et al., SPD Range (Muon) System, Phys. Part. Nucl. 52 (2021) 797–800 IF 0.71
13. V.F. Andreev et al., Software for Tracks and Primary Vertex Reconstruction for the SPD Experiment, Phys. Part. Nucl. 52 (2021) 793 – 796 IF 0.71
14. V.N. Azorskyi et al., Electromagnetic Calorimeter for the SPD Experiment, Phys. Part. Nucl. 52 (2021) 772-778 IF 0.71
15. V.E. Kovtun, T.V. Malykhina, Calculation of the molière radius for various configurations of an electromagnetic sampling calorimeter ECal SPD NICA, VANT 133 (2021), 3, 86-90 IF 0.31
16. O.P. Gavrishchuk, V.E. Kovtun, T.V. Malykhina, Effect of energy leakage on the energy resolution of e.m. sampling calorimeters, VANT 133 (2021), 3, 76-80 IF 0.31
17. A. Guskov, Physics with prompt photons at SPD, J. Phys.: Conf. Ser. 1435 (2020) 012035 IF 0.48
18. I. Denisenko at al., Physics with charmonia at the SPD experiment, J. Phys.: Conf. Ser. 1435 (2020) 012034 IF 0.48
19. V.F. Andreev, Comparison of Algorithms for Reconstructing the Primary Interaction Vertex for the SPD Experiment, Bulletin of the Lebedev Physics Institute 48 (10, 2021): 301-306 IF 0.45
20. O.P. Gavrishchuk, V.E. Kovtun, T.V. Malykhina, Simulation Study of Energy Resolution of the Electromagnetic Shashlyk Calorimeter for Different of Layers and Absorber Combinations, East European Journal of Physics 3 (2020) 73-80 IF 0.37
21. A. Datta, Quarkonium Physics at SPD NICA, Quarkonia as Tools 2022, 9-15 January 2022, Aussois, France, remote talk
22. A. Zhemchugov, Применение метода максимального правдоподобия для оценки параметров траекторий элементарных частиц в задаче реконструкции внутреннего детектора эксперимента SPD NICA, Information and Telecommunication Technologies and Mathematical Modeling of High-Tech Systems 2022
23. V. Bautin, VMM3a ASIC as a potential front-end electronics solution for future Straw Trackers (ITTMM 2022), Moscow, Russia, April 18-22, 2022
24. E. Kokoulina, MiniSPD stand for testing Si-detector, XXIX International Seminar Nonlinear Phenomena in Complex Systems, Minsk, Belarus, June 21-24, 2022
25. E. Kokoulina, Study of soft photons at SPD/NICA setup, XXIX International Seminar Nonlinear Phenomena in Complex Systems, Minsk, Belarus, June 21-24, 2022
26. Yu. Uzikov, Possible Physics Studies at the First Stage of the NICA SPD Programme, LXXII International Conference “Nucelus-2022: Fundamental problems and applications”, Moscow, July 11-16, 2022
27. A. Guskov, Gluon physics at SPD (JINR), Correlations in Partonic and Hadronic Interactions (CPHI2020), 07-10 March 2022, Duke University, Durham, NC, remote talk
28. A. Guskov, NICA-SPD project, International Workshop on Hadron Structure and Spectroscopy 2022 (IWHSS-2022), Geneva, Switzerland
29. I. Denisenko, SPD experiment at JINR, 9th International Conference on Quarks and Nuclear Physics (QNP2022), 5-9 September 2022. Conference center Gustav Stresemann Institute, Bonn, Germany, remote talk
30. Yu. Uzikov, Suggestions for studies at the first stage of the NICA SPD physical programme, The IV International Scientific Forum “Nuclear science and Technologies”, 26-30 September 2022, Kazakhstan, Almaty
31. A. Datta, Spin Physics Detector (SPD) at NICA, The 6th International Conference on Particle Physics and Astrophysics (ICPPA-2022), (from the 29th of November to the 2nd of December, Moscow, Russia
32. E. Kokoulina, MiniSPD test bench for testing of SPD detector prototypes, The 6th International Conference on Particle Physics and Astrophysics (ICPPA-2022), (from the 29th of November to the 2nd of December, Moscow, Russia
33. A. Allakhverdieva, Detector description and GeoModel, The 6th International Conference on Particle Physics and Astrophysics (ICPPA-2022), (from the 29th of November to the 2nd of December, Moscow, Russia
34. T. Enik, Straw detectors in the future experiments, The IV International Scientific Forum “Nuclear science and Technologies”, 26-30 September 2022, Kazakhstan, Almaty
35. V. Bautin, Online Gas Gain Monitoring System, The XXVI International Scientific Conference of Young Scientists and Specialists (AYSS-2022), 24-28 October, Dubna
36. D. Rusov, Deep tracking for the SPD experiment, The XXVI International Scientific Conference of Young Scientists and Specialists (AYSS-2022), 24-28 October, Dubna
37. A. Guskov, SPD detector at NICA, XVIII Mexican Workshop on Particles and Fields, November 21-25, 2022, Puebla city, Mexico, remote talk
38. A. Zhemchugov, Spin Physics Detector at NICA, Sixth Biennial “Workshop on Discovery Physics at the LHC” (Kruger2022), 5-9 December 2022, Kruger National Park, SAR
39. V. Ladygin, Spin Physics Detector at NICA, 24-th International Spin Symposium, SPIN2021, 18-22 October 2021, Matsue, Japan
40. O. Gavrischuk Simulation Studies of the Moliere Radius for EM Calorimeter, XXVII-th International conference on charged particle accelerators, September 21–24, 2021, Kharkiv, Ukraine
41. A.Datta, Probing of the Gluon Helicity Distribution at SPD, LXXI-st International Conference “Nucleus-2021. Nuclear physics and elementary particles. Nuclear technologies”, 20-25 September 2021, St.Petersburg, Russia
42. V.Kim, Physics with the SPD experiment at NICA collider, LXXI-st International Conference “Nucleus-2021. Nuclear physics and elementary particles. Nuclear technologies”, 20-25 September 2021, St.Petersburg, Russia
43. A.V. Tishevsky et al., Scintillation detector prototype for Beam-Beam Counter at NICA SPD, LXXI-st International Conference “Nucleus-2021. Nuclear physics and elementary particles. Nuclear technologies”, 20-25 September 2021, St.Petersburg, Russia
44. A. Guskov, Spin Physics Detector project at JINR, 22-nd PANIC21 Conference, 5-10 September 2021, Lisbon, Portugal
45. A. Guskov, Spin Physics Detector project at JINR, 20-th Lomonosov Conference on elementary particle physics, 19-25 August 2021, MSU, Moscow, Russia
46. E. Tomasi, The NICA-SPD project: a new tool to investigate the hadron structure, 19-th International Conference on Hadron Spectroscopy and Structure in memoriam Simon Eidelman (HADRON2021), 26-31 July 2021, Mexico City, Mexico
47. A. Zhemchugov, Offline Software and Computing for the SPD experiment, The 9th International Conference “Distributed Computing and Grid Technologies in Science and Education” (GRID’2021), 5-9 July, 2021, Dubna, Russia
48. V. Andreev, Offline Software and Computing for the SPD experiment, The 9th International Conference “Distributed Computing and Grid Technologies in Science and Education” (GRID’2021), 5-9 July, 2021, Dubna, Russia
49. A. Gribovsky, Status of Spin Physics Detector at NICA, 5-th TIPP2021 Conference, 24-28 May 2021, Vancouver, Canada
50. L. Afanasyev, DAQ at Spin Physics Detector, XXVIII International Workshop on Deep-Inelastic Scattering and Related Subjects, Stony Brook, 12-16 April 2021
51. A. Korzenev, SPD experiment at NICA, International Conference on Deep-Inelastic Scattering and Related Subjects, 12-16 April, 2021, Stony Brook, NY, USA
52. I. Denisenko, Physics with charmonia at the SPD experiment, Quarkonia as Tools 2021, 22-26 March 2021
53. A. Tishevskiy, Study of the 16-channel scintillation detector prototype with SiPM readout, XXIV International Scientific Conference of Young Scientists and Specialists (AYSS-2020), 9-13 November 2020, JINR, Dubna, Russia
54. K. Salamatin, The system for parameters of working gas monitoring at MiniSPD stand, XXIV International Scientific Conference of Young Scientists and Specialists (AYSS-2020), 9-13 November 2020, JINR, Dubna, Russia
55. V. Burtsev, Mini-SPD test stand at JINR, XXIV International Scientific Conference of Young Scientists and Specialists (AYSS-2020), 9-13 November 2020, JINR, Dubna, Russia
56. E. Kasyanova, GEANT4 modeling of the mini-SPD test stand, XXIV International Scientific Conference of Young Scientists and Specialists (AYSS-2020), 9-13 November 2020, JINR, Dubna, Russia
57. A. Tishevskiy, Development of the scintillation detector prototypes with SiPM readout for SPD at NICA, 5-th International Conference on Particle Physics and Astrophysics (ICPPA2020), 5-9 October 2020, Moscow, Russia
58. L. Afanasiev, Planned free running DAQ for SPD experiment at NICA, COMPASS Front-End, Trigger and DAQ Workshop, 2-3 March 2020, CERN
59. V. Frolov, Disk IO Server Performance, COMPASS Front-End, Trigger and DAQ Workshop, 2-3 March 2020, CERN
60. A. Guskov, Gluon structure of hadrons with prompt photons at COMPASS-AMBER and NICA-SPD, Workshop on Correlations in Partonic and Hadronic Interactions (CPHI-2020), 3-7 February 2020, CERN
61. I. Denisenko, Physics with charmonia at the SPD and AMBER experiments, Workshop on Correlations in Partonic and Hadronic Interactions (CPHI-2020), 3-7 February 2020, CERN

ARIADNA

1. R. Hirayama, W-G. Shin, M. Belli, M.A. Tabocchini, O. Belov, M.A. Bernal, M-C. Bordage, J.M.C. Brown, M. Dordevic, D. Emfietzoglou, Z. Francis, S. Guatelli, T. Inaniwa, V. Ivanchen. Prediction of DNA rejoining kinetics and cell survival after proton irradiation for V79 cells using Geant4-DNA. Physica Medica. 2022 (in press) [Q2, Impact Factor 3.119].
2. O. Belov. ARIADNA: New options for space-related research. 44th COSPAR Scientific Assembly 2022. Electronic Book of Abstracts. Abstract No 31410 (e-print).
3. K. Belocopitova, O. Belov. Emerging roles of CNS neurochemical mechanisms in health, radiation damage and disorders. 44th COSPAR Scientific Assembly 2022. Electronic Book of Abstracts. Abstract No 30415 (e-print).
4. O. Belov. Applied Research and Innovations at NICA: New Gates for Collaboration in Life Sciences, Materials Sciences and Nuclear Power Technology. 7th Cairo Exhibition of Innovations. 13-15 February 2023, Cairo, Egypt (приглашенный доклад).
5. О.В. Белов. Проекты класса «мегасайенс»: от фундаментальных задач к прикладным исследованиям. 16-я Научная школа-семинар «Методы оценки и обеспечения радиационной стойкости изделий электронной техники» – «Радиационная стойкость» им. В.Н. Улимова. 18-20 октября 2022 года, г. Москва, Россия. (всероссийское; приглашённый доклад).
6. O. Belov. ARIADNA: New options for space-related research. 44th COSPAR Scientific Assembly 16-24 July 2022, Athens, Greece (международное; секционный доклад).
7. О.В. Белов. Прикладные исследования на комплексе NICA: перспективы сотрудничества и возможные направления совместных работ. Семинар ИЯП БГУ, г. Минск, Беларусь. 4 октября 2022 года (международное; устный доклад).
8. О.В. Белов. Прикладные исследования на комплексе NICA: перспективы сотрудничества и возможные направления совместных работ. Семинар МГЭИ им. А. Д. Сахарова БГУ, г. Минск, Беларусь. 6 октября 2022 года (международное; устный доклад).
9. О.В. Белов. ARIADNA: перспективы сотрудничества Ташкент-Дубна. Семинар ОНМИИ 15 марта 2022 года, г. Дубна (международное; устный доклад).
10. О.В. Белов. О статусе формировании коллабораций ARIADNA. Рабочее совещание коллабораций ARIADNA. 28 июня 2022 года, г. Дубна (международное; устный доклад).
11. О.В. Белов. О перспективах вхождения в коллаборацию ARIADNA: совместные работы ФИЦ ХФ РАН – ОИЯИ. Рабочее совещание ОНМИИ. 11 ноября 2022 года, Дубна (российское; устный доклад).
12. О.В. Белов. О текущих вопросах. Оперативные совещания ОНМИИ — в течение 2022 года.