

**ПУБЛИКАЦИИ Лаборатории Релятивистской Ядерной Физики  
2020 г.**

№ п/п	Название публикации (статьи, монографии, пособия и т.д.)	Авторы	Где опубликовано (название журнала, сборника, издательства и т.д.)
1	<b>Incoherent <math>\rho</math> meson photoproduction in ultraperipheral nuclear collisions at the LHC</b>	V. Guzey, E. Kryshen, M. Zhalov	Phys.Rev.C 102 (2020) 1, 015208
2	<b>Nuclear form factor of xenon from photoproduction of vector mesons in Xe-Xe ultraperipheral collisions at the LHC</b>	V Guzey and M Zhalov	<b>Journal of Physics: Conference Series 1690 (2020) 012137</b>
3	<b>Study of the resonances in heavy-ion collisions at NICA energies using the MPD detector</b>	V G Riabov and for the MPD Collaboration	<i>J. Phys.: Conf. Ser.</i> 1690 012110
4	<b>Next-to-leading order QCD predictions for dijet photoproduction in lepton-nucleus scattering at the future EIC and at possible LHeC, HE-LHeC, and FCC facilities</b>	V. Guzey, M. Klasen	<b>Phys. Rev. C 102 (2020) 065201</b>
5	<b>Diffraction dijet photoproduction at the EIC</b>	V. Guzey, M. Klasen	<b>JHEP 05 (2020) 074</b>
6	<b>Feasibility of thermal photon measurements in heavy ion collisions at NICA energies</b>	D Ivanishchev, E Kryshen, D Kotov, M Malaev, V Riabov, Yu Riabov and for the MPD Collaboration	<i>J. Phys.: Conf. Ser.</i> 1690 (2020) 012109
7	<b>Spectra of Secondary Particles in High-Energy Proton-Proton Collisions in the Thermodynamic Model and the Possibility of Detection of Particles of Dark Matter</b>	A. T. D'yachenko	<b>Physics of Atomic Nuclei, 2020, Vol. 83, No. 9,</b>
8	<b>Evidence of rescattering effect in Pb-Pb collisions at the LHC through production of <math>K^*(892)</math> and <math>\phi(1020)</math> mesons</b>	Коллаборация ALICE (В.Иванов, Е.Крышень, А.Ханзадеев, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, М.Жалов)	<b>Phys.Lett. B802 (2020) 135225</b>
9	<b>Measurement of electrons from heavy-flavour hadron decays as a function of multiplicity in p-Pb collisions at <math>\sqrt{s_{NN}}=5.02</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>JHEP 2002 (2020) 077</b>
10	<b>Studies of <math>J/\Psi</math> production at forward rapidity in Pb-Pb collisions at <math>\sqrt{s_{NN}}=5.02</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>JHEP 2002 (2020) 041</b>
11	<b>Measurement of <math>\Lambda(1520)</math> production in pp collisions at <math>\sqrt{s_{NN}}=7</math> TeV and p-Pb at collisions at <math>\sqrt{s_{NN}}=5.02</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>Eur.Phys.J. C80 (2020) no.2, 160</b>

12	<b>Multiplicity dependence of (multi-)strange hadron production in proton-proton collisions at <math>\sqrt{s} = 13</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>Eur.Phys.J. C80 (2020) no.2, 167</b>
13	<b>Multiplicity dependence of light (anti-)nuclei production in p-Pb collisions at <math>\sqrt{s_{NN}} = 5.02</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys.Lett. B800 (2020) 135043</b>
14	<b>Scattering studies with low-energy kaon-proton femtoscopy in proton-proton collisions at the LHC</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys.Rev.Lett. 124 (2020) no.9, 092301</b>
15	<b>Exploration of jet substructure using iterative declustering in pp and Pb-Pb collisions at LHC energies</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys.Lett. B802 (2020) 135227</b>
16	<b>Measurement of strange baryon-antibaryon interactions with femtoscopic correlations</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys.Lett. B802 (2020) 135223</b>
17	<b>Linear and non-linear flow modes of charged hadrons in Pb-Pb collisions at <math>\sqrt{s_{NN}} = 5.02</math> TeV</b>	Коллаборация ALICE (В.Иванов, Е.Крышень, А.Ханзадеев, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, М.Жалов)	<b>JHEP 2005 (2020) 085</b>
18	<b>Investigation of the p-<math>\Sigma^0</math> interaction via femtoscopy in pp collisions</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys.Lett. B805 (2020) 135419</b>
19	<b>Production of (anti-)<math>^3\text{He}</math> and (anti-)<math>^3\text{H}</math> in p-Pb collisions at <math>\sqrt{s_{NN}} = 5.02</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys.Rev. C101 (2020) no.4, 044906</b>
20	<b>Centrality and transverse momentum dependence of inclusive J/<math>\psi</math> production at midrapidity in Pb-Pb collisions at <math>\sqrt{s_{NN}} = 5.02</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys.Lett. B805 (2020) 135434</b>
21	<b>Underlying Event properties in pp collisions at <math>\sqrt{s_{NN}} = 13</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>JHEP 2004 (2020) 192</b>
22	<b>Longitudinal and azimuthal evolution of two-particle transverse momentum correlations in Pb-Pb collisions at <math>\sqrt{s_{NN}} = 2.76</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys.Lett. B804 (2020) 135375</b>
23	<b>Measurement of electrons from semileptonic heavy flavour decays at midrapidity in pp and Pb-Pb collisions at <math>\sqrt{s_{NN}} = 5.02</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys.Lett. B804 (2020) 135377</b>
24	<b>Measurement of the (anti)<math>^3\text{He}</math> elliptic flow in Pb-Pb collisions at <math>\sqrt{s_{NN}} = 5.02</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys.Lett. B805 (2020) 135414</b>
25	<b>Production of charged pions, kaons and (anti-)protons in Pb-Pb and inelastic pp collisions at <math>\sqrt{s_{NN}} = 5.02</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys.Rev. C101 (2020) no.4, 044907</b>
26	<b>Global polarization of <math>\Lambda</math> and anti-<math>\Lambda</math> hyperons in Pb-Pb collisions at the LHC</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys.Rev. C101 (2020) no.4, 044611</b>

27	<b>Jet-hadron correlations measured relative to the second order event plane in Pb-Pb collisions at <math>\sqrt{s_{NN}} = 2.76</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys.Rev.C 101 (2020) 6, 064901</b>
28	<b>Coherent photoproduction of <math>\rho^0</math> vector mesons in ultra-peripheral Pb-Pb collisions at <math>\sqrt{s_{NN}} = 5.02</math> TeV.</b>	Коллаборация ALICE (В.Иванов,...)	<b>JHEP 06 (2020) 035</b>
29	<b>Unveiling the strong interaction among hadrons at the LHC</b>	Коллаборация ALICE (В.Иванов,...)	<b>Nature 588 (2020) 7837, 232-238</b>
30	<b>Non-linear flow modes of identified particles in Pb-Pb collisions at <math>\sqrt{s_{NN}} = 5.02</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>JHEP 06(2020) 147</b>
31	<b><math>\Upsilon</math> production in p-Pb collisions at <math>\sqrt{s_{NN}} = 8.16</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys.Lett.B 806 (2020) 135486</b>
32	<b><math>K^*(892)0</math> and <math>\phi(1020)</math> production at midrapidity in pp collisions at <math>\sqrt{s} = 8</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys. Rev. C 102, 024912</b>
33	<b>Multiplicity dependence of <math>J/\psi</math> production at midrapidity in pp collisions at <math>\sqrt{s_{NN}} = 13</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys.Lett. B (2020) 135758</b>
34	<b>Measurement of nuclear effects on <math>\psi(2S)</math> production in p-Pb collisions at <math>\sqrt{s_{NN}} = 8.16</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>JHEP 07 (2020) 237</b>
35	<b>Multiplicity dependence of <math>\pi</math>, <math>K</math>, and <math>p</math> production in pp collisions at <math>\sqrt{s_{NN}} = 13</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>Eur.Phys.J.C 80 (2020) 8, 693</b> (European Physics Journal)
36	<b>Multiplicity dependence of <math>K^*(892)0</math> and <math>\phi(1020)</math> production in pp collisions at <math>\sqrt{s_{NN}} = 13</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys.Lett.B 807 (2020) 135501</b>
37	<b>Global baryon number conservation encoded in net-proton fluctuations measured in Pb-Pb collisions at <math>\sqrt{s_{NN}} = 2.76</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys.Lett.B 807 (2020) 135564</b>
38	<b>Z-boson production in p-Pb collisions at <math>\sqrt{s_{NN}} = 8.16</math> TeV and Pb-Pb collisions at <math>\sqrt{s_{NN}} = 5.02</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>JHEP 09 (2020) 076</b>
39	<b>Probing the Effects of Strong Electromagnetic Fields with Charge-Dependent Directed Flow in Pb-Pb Collisions at the LHC</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys. Rev. Lett. 125, 022301</b>
40	<b>Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions</b>	Коллаборация ALICE (В.Иванов,...)	<b>Phys. Rev. Lett. 125, 012301</b>
41	<b><math>J/\psi</math> production as a function of charged-particle multiplicity in p-Pb collisions at <math>\sqrt{s_{NN}} = 8.16</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>JHEP 09 (2020) 162</b>
42	<b>(Anti-)Deuteron production in pp collisions at <math>\sqrt{s} = 13</math> TeV</b>	Коллаборация ALICE (В.Иванов,...)	<b>Eur.Phys.J.C 80 (2020) 9, 889</b>
43	<b><math>J/\psi</math> elliptic and triangular flow in Pb-Pb collisions at <math>\sqrt{s_{NN}} = 5.02</math> TeV</b>	Колл. ALICE (... В.Иванов, М.Жалов, Е.Крышень, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, А. Ханзадеев...и др.)	<b>JHEP 10 (2020) 141</b>

44	<b>Constraining the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Pb-Pb collisions at <math>\sqrt{s_{NN}} = 2.76</math> and 5.02 TeV</b>	Колл. ALICE (... В.Иванов, М.Жалов, Е.Крышень, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, А. Ханзадеев...и др.)	<b><i>JHEP</i> 09 (2020) 160</b>
45	<b>Search for a common baryon source in high-multiplicity pp collisions at the LHC</b>	Колл. ALICE (... В.Иванов, М.Жалов, Е.Крышень, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, А. Ханзадеев...и др.)	<b><i>Phys.Lett.B</i> 811 (2020) 135849</b>
46	<b>Measurement of the low-energy antideuteron inelastic cross section</b>	Колл. ALICE (... В.Иванов, М.Жалов, Е.Крышень, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, А. Ханзадеев...и др.)	<b><i>Phys.Rev.Lett.</i> 125 (2020) 16, 162001</b>
47	<b>Measurement of isolated photon-hadron correlations in <math>\sqrt{s} = 5.02</math> TeV pp and p-Pb collisions</b>	Колл. ALICE (... В.Иванов, М.Жалов, Е.Крышень, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, А. Ханзадеев...и др.)	<b><i>Phys.Rev.C</i> 102 (2020) 4, 04490</b>
48	<b>Elliptic and triangular flow of (anti)deuterons in Pb-Pb collisions at <math>\sqrt{s_{NN}} = 5.02</math> TeV.</b>	Колл. ALICE (... В.Иванов, М.Жалов, Е.Крышень, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, А. Ханзадеев...и др.)	<b><i>Phys.Rev.C</i> 102 (2020) 5, 055203</b>
49	<b>Dielectron production in proton-proton and proton-lead collisions at <math>\sqrt{s_{NN}} = 5.02</math> TeV</b>	Колл. ALICE (... В.Иванов, М.Жалов, Е.Крышень, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, А. Ханзадеев...и др.)	<i>Phys. Rev. C</i> 102, 055204
50	<b>Multiplicity dependence of inclusive <math>J/\psi</math> production at midrapidity in pp collisions at <math>s = 13</math> TeV</b>	Колл. ALICE (... В.Иванов, М.Жалов, Е.Крышень, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, А. Ханзадеев...и др.)	<b><i>Phys. Lett. B</i> 810 (2020) 135758</b>
51	<b>Azimuthal correlations of prompt D mesons with charged particles in pp and p-Pb collisions at <math>\sqrt{s_{NN}} = 5.02</math> TeV</b>	Колл. ALICE (... В.Иванов, М.Жалов, Е.Крышень, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, А. Ханзадеев...и др.)	<b><i>Eur.Phys.J.C</i> 80 (2020) 10, 979</b>
52	<b>Unveiling the strong interaction among hadrons at the LHC</b>	Колл. ALICE (... В.Иванов, М.Жалов, Е.Крышень, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, А. Ханзадеев...и др.)	<b><i>Nature</i> volume 588, pages232–238(2020)</b>
53	<b>Production of <math>\omega</math> mesons in pp collisions at <math>\sqrt{s} = 7</math> TeV</b>	Колл. ALICE (... В.Иванов, М.Жалов, Е.Крышень, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, А. Ханзадеев...и др.)	<b><i>Eur.Phys.J.C</i> 80 12, 1130</b>
54	<b>Production of <math>bb^-</math> at forward rapidity in p+p collisions at <math>\sqrt{s} = 510</math> GeV</b>	PHENIX Collaboration (.Ivanischev, D., Kotov, D, Khanzadeev, A., Komkov, B., Ryabov, V. Ryabov, Yu., Samsonov, V....)	<b><i>Phys.Rev.D</i> 102 (2020) 9, 092002</b>

55	<b>Polarization and cross section of midrapidity <math>J/\psi</math> production in proton-proton collisions at <math>\sqrt{s}=510</math> GeV</b>	PHENIX Collaboration (..Ivanischev, D., Kotov, D, Khanzadeev, A., Komkov, B., Ryabov, V. Ryabov, Yu., Samsonov, V....)	<i>Phys.Rev.D</i> 102 (2020) 7, 072008
56	<b>Measurement of jet-medium interactions via direct photon-hadron correlations in Au++Au and <math>d</math> ++Au collisions at <math>\sqrt{s_{NN}}=200</math> GeV</b>	PHENIX Collaboration (..Ivanischev, D., Kotov, D, Khanzadeev, A., Komkov, B., Ryabov, V. Ryabov, Yu., Samsonov, V....)	<i>Phys.Rev.C</i> 102 (2020) 5, 05491
57	<b>Production of <math>\pi^0</math>, <math>\eta</math> and Ks mesons in U+U collisions at <math>\sqrt{s_{NN}}=192</math> GeV</b>	PHENIX Collaboration (..Ivanischev, D., Kotov, D, Khanzadeev, A., Komkov, B., Ryabov, V. Ryabov, Yu., Samsonov, V....)	<i>Phys.Rev.C</i> 102 (2020) , 064905
58	<b>Measurement of <math>J/\psi</math> at forward and backward rapidity in p+p, p+Al, p+Au, and 3He+Au collisions at <math>\sqrt{s_{NN}}=200</math> GeV</b>	Коллаборация PHENIX (Д.Иванищев, Д.Котов, Б.Комков, В.Рябов, Ю.Рябов, В.Самсонов, А.Ханзадеев)	<i>Phys. Rev. C</i> 102, 014902
59	<b>Measurement of charged pion double spin asymmetries at midrapidity in longitudinally polarized p+p collisions at <math>\sqrt{s}=510</math> GeV</b>	Коллаборация PHENIX (Д.Иванищев, Д.Котов, Б.Комков, В.Рябов, Ю.Рябов, В.Самсонов, А.Ханзадеев)	<i>Phys. Rev. D</i> 102, 032001
60	<b>Nuclear-modification factor of charged hadrons at forward and backward rapidity in p+Al and p+Au collisions at <math>\sqrt{s_{NN}}=200</math> GeV</b>	PHENIX Collaboration (..Ivanischev, D., Kotov, D, Khanzadeev, A., Komkov, B., Ryabov, V. Ryabov, Yu., Samsonov, V....)	<i>Phys.Rev.C</i> 101 (2020) 3, 034910
61	<b><math>J/\Psi</math> and <math>\Psi(2s)</math> production at forward rapidity in p+p collisions at <math>\sqrt{s}=510</math> GeV</b>	PHENIX Collaboration (..Ivanischev, D., Kotov, D, Khanzadeev, A., Komkov, B., Ryabov, V. Ryabov, Yu., Samsonov, V....)	<i>Phys.Rev. D</i> 101 (2020),5, 052006

## ДОКЛАДЫ на КОНФЕРЕНЦИЯХ 2020

№ п/п	Тип мероприятия (конференция, форум, выставка и т.д.)	Название мероприятия	ФИО участника	Название доклада	Статус доклада
1	конференция	Сессия-конференция СЯФ ОФН РАН 10-12 марта 2020 г. Новосибирск.	Самсонов В.М.	Разработка и создание трековых и идентификационных систем для экспериментов по исследованию экстремальных свойств ядерного вещества в ядерных столкновениях	пленарный
2	Рабочее совещание	Workshop "Exploring QCD with light nuclei at EIC", Stony Brook University, Jan. 21-24, 2020	Гузей В.А.	Leading-twist shadowing in inclusive and diffractive DIS", Workshop "Exploring QCD with light nuclei at EIC	видео
3	Рабочее совещание	Workshop "Exploring QCD with light nuclei at EIC", Stony Brook University, Jan. 21-24, 2020	Гузей В.А.	He-3 spin structure function and intrinsic isobars", Workshop "Exploring QCD with light nuclei at EIC	видео
4	Школа	Зимняя школа ПИЯФ 2020, Рощино, Россия Март 10-14	Гузей В.А.	New constraints on nuclear PDFs from photon-nucleus scattering at the LHC	пленарный
5	конференция	2nd EIC Yellow Report Workshop at Pavia University, 20-22 May 2020 <a href="https://indico.bnl.gov/event/8231/overview">https://indico.bnl.gov/event/8231/overview</a>	В.Гузей	"Diffractive dijet photoproduction at EIC"	удаленный
6	CFNS Workshop, Stony Brook University, Sep 28-30, 2020	Target Fragmentation Physics with EIC,	Гузей В.А.	Diffraction is a special case of target fragmentation	пленарный
7	конференция	International conference PhysicA.SPb/2020. Ioffe Institute, St Petersburg, Russia, October 19-23, 2020	D. Ivanishchev, D. Kotov, M. Malaev, V. Riabov, Yu. Ryabov,	Production and reconstruction of short-lived $\rho(770)$ , $K^*(892)_0$ , $\phi(1020)$ and $\Lambda(1520)$ resonances as a function of centrality and energy in Au+Au collisions at NICA	Стендовый доклад
8	конференция	5th International Conference on Particle Physics and Astrophysics (ICPPA),	V. Riabov,	Study of the resonances in heavy-ion collisions at NICA energies using the MPD detector	секция

		Moscow, Russia, October 5-9, 2020			
9	конференция	5th International Conference on Particle Physics and Astrophysics (ICPPA), Moscow, Russia, October 5-9, 2020	D. Ivanishchev, D. Kotov, E. Kryshen, M. Malaev, V. Riabov, Yu. Riabov,	Feasibility of thermal photon measurements in heavy ion collisions at NICA energies	секция
10	конференция	LXX International conference "NUCLEUS-2020, Nuclear physics and elementary particle physics. Nuclear physics technologies", St.Petersburg, Russia, October 11-17, 2020	Dmitry Ivanishchev, Dmitry Kotov, Evgeny Kryshen, Mikhail Malaev, Viktor Riabov, Yuriy.G Ryabov,	Thermal photon measurements with future MPD experiment at NICA.	секция
11	конференция	LXX International conference "NUCLEUS-2020, Nuclear physics and elementary particle physics. Nuclear physics technologies", St.Petersburg, Russia, October 11-17, 2020	Dmitry Ivanishchev, Dmitry Kotov, Mikhail Malaev, Viktor Riabov, Yuriy.G Ryabov	Short-lived resonances in the physical program of the MPD experiment at NICA	секция
12	конференция	The Conference "RFBR Grants for NICA", Dubna, Russia, October 20-23, 2020	D. Ivanishchev, D. Kotov, M. Malaev, V. Riabov, Yu. Riabov,	Study of production features, modeling and optimization of algorithms for reconstruction of short-lived hadronic resonances in the MPD experimental setup at the NICA collider	пленарный
13	конференция	The Conference "RFBR Grants for NICA", Dubna, Russia, October 20-23, 2020	E. Kryshen, D. Ivanischev, D. Kotov, M.	Thermal photon and neutral meson measurements using photon conversion	пленарный

			Malaev, V. Riabov, Yu. Riabov,	method in the MPD experiment at the NICA collider	
14	конференция	The Conference "RFBR Grants for NICA", Dubna, Russia, October 20-23, 2020	E. Kryshen, V. Riabov, I. Rufanov, A. Zinchenko,	Neutral mesons and dielectrons	секция
15	конференция	<u>5<sup>th</sup> International conference on nuclear physics and astrophysics, Moscow, October 5-9, 2020</u>	<u>. В.Гузей,</u> <u>М.Жалов</u>	<u>Nuclear form factor of xenon from photoproduction of vector mesons in Xe-Xe ultraperipheral collisions at the LHC</u>	секция
16	конференция	<u>LXX International Conference "Nucleus-2020", St.Petersburg? Russia, October 12-17, 2020</u>	<u>В. Гузей,</u> <u>Е.Крышень,</u> <u>М.Жалов</u>	<u>Photoproduction of <math>\rho</math> mesons on nuclei in ultraperipheral nuclear collisions at the LHC</u>	секция
17	конференция	<u>LXX International Conference "Nucleus-2020", St.Petersburg? Russia, October 12-17, 2020</u>	А.Дьяченко	Spectra of secondary particles in high energy proton-proton collisions in the thermodynamic model and the possibility of detection of particles of dark matter	секция
18	Рабочее совещание	Workshop on tracking, reconstruction, and physics performance studies at FAIR and NICA, МЕРФИ, Moscow, 8-10 December, 2020	V.Riabov	Short-lived resonances as probes of the medium produced in heavy-ion collisions	
19	Рабочее совещание	"Workshop on tracking, reconstruction, and physics performance studies at FAIR and NICA, МЕРФИ, Moscow, 8-10 December, 2020	E. Kryshen	Photon conversion measurements with MPD at NICA	