

Публикации Лаборатории релятивистской ядерной физики - 2019 год

№	Название публикации	Авторы	Где опубликовано
1	Study of J/ψ azimuthal anisotropy at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Коллаборация ALICE (...авторы из ПИЯФ : В.Иванов, Е.Крышень, А.Ханзадеев, М.Малаев, В.Никулин, В.Рябов, Ю.Рябов, В.Самсонов, М.Жалов.....)	JHEP 1902 (2019) 012
2	Event-shape engineering for the D-meson elliptic flow in mid-central Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	Коллаборация ALICE	JHEP 1902 (2019) 150
3	Measuring K0K± interactions using pp collisions at $\sqrt{s}=7$ TeV	Коллаборация ALICE	Phys.Lett. B790 (2019) 22-34
4	Charged jet cross section and fragmentation in proton-proton collisions at $\sqrt{s} = 7$ TeV	Коллаборация ALICE	Phys.Rev. D99 (2019) no.1, 012016
5	Multiplicity dependence of light-flavor hadron production in pp collisions at $\sqrt{s} = 7$ TeV	Коллаборация ALICE	Phys.Rev. C99 (2019) no.2, 024906
6	Measurement of dielectron production in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Коллаборация ALICE	Phys.Rev. C99 (2019) no.2, 024002
7	p-p, p-Λ and Λ-Λ correlations studied via femtoscopy in pp reactions at $\sqrt{s} = 7$ TeV	Коллаборация ALICE	Phys.Rev. C99 (2019) no.2, 024001
8	Azimuthal Anisotropy of Heavy-Flavor Decay Electrons in p-Pb Collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Коллаборация ALICE	Phys.Rev.Lett. 122 (2019) no.7, 072301
9	Suppression of Λ(1520) resonance production in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Коллаборация ALICE	Phys.Rev. C99 (2019) 024905
10	Y suppression at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV	Коллаборация ALICE	Phys.Lett. B790 (2019) 89-101
11	Transverse momentum spectra and nuclear modification factors of charged particles in Xe-Xe collisions at $\sqrt{s_{NN}} = 5.44$ TeV	Коллаборация ALICE	Phys.Lett. B788 (2019) 166-179
12	Direct photon elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV	Коллаборация ALICE	Phys.Lett. B789 (2019) 308-322
13	Dielectron and heavy-quark production in inelastic and high-multiplicity proton-proton	Коллаборация ALICE	Phys.Lett. B788 (2019) 505-518

	collisions at $\sqrt{s_{NN}}=13\text{TeV}$		
14	Centrality and pseudorapidity dependence of the charged-particle multiplicity density in Xe–Xe collisions at $\sqrt{s_{NN}}=5.44\text{TeV}$	Коллаборация ALICE	Phys.Lett. B790 (2019) 35-48
15	Creating small circular, elliptical, and triangular droplets of quark-gluon plasma	Коллаборация PHENIX (..... авторы из ПИЯФ: Д.Иванищев, Д.Котов, Б.Комков, В.Рябов, Ю.Рябов, В.Самсонов, А.Ханзадеев.....)	Nature Phys. 15 (2019) no.3, 214-220
16	Multiparticle azimuthal correlations for extracting event-by-event elliptic and triangular flow in Au+Au collisions at $\sqrt{s_{NN}}=200\text{ GeV}$	Коллаборация PHENIX	Phys.Rev. C99 (2019) no.2, 024903
17	Direct photon production at low transverse momentum in proton-proton collisions at $\sqrt{s}=2.76$ and 8 TeV	Коллаборация ALICE	Phys.Rev. C99 (2019) no.2, 024912
18	Measurement of D^0, D^+, D^{*+} and D^+s production in pp collisions at $\sqrt{s}=5.02\text{ TeV}$ with ALICE	Коллаборация ALICE	Eur.Phys.J. C79 (2019) no.5, 388
19	Charged-particle pseudorapidity density at mid-rapidity in p-Pb collisions at $\sqrt{s_{NN}}=8.16\text{ TeV}$	Коллаборация ALICE	Eur.Phys.J. C79 (2019) no.4, 307
20	Λ_c production in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02\text{ TeV}$	Коллаборация ALICE	Phys.Lett. B793 (2019) 212-223
21	Energy dependence of exclusive J/ψ photoproduction off protons in ultra-peripheral p–Pb collisions at $\sqrt{s_{NN}}=5.02\text{ TeV}$	Коллаборация ALICE	Eur.Phys.J. C79 (2019) no.5, 402
22	Analysis of the apparent nuclear modification in peripheral Pb–Pb collisions at 5.02 TeV	Коллаборация ALICE	Phys.Lett. B793 (2019) 420-432
23	Calibration of the photon spectrometer PHOS of the ALICE experiment	Коллаборация ALICE	JINST 14 (2019) no.05, P05025
24	Production of the $\rho(770)$ meson in pp and PbPb collisions at $\sqrt{s_{NN}}=2.76\text{ TeV}$	Коллаборация ALICE	Phys.Rev. C99 (2019) no.6, 064901
25	Measurements of $\mu\mu$ pairs from open heavy flavor and Drell-Yan in p+p collisions at $\sqrt{s}=200\text{ GeV}$	Коллаборация PHENIX	Phys.Rev. D99 (2019) no.7, 072003
26	Measurement of two-particle correlations with respect to	Коллаборация PHENIX	Phys.Rev. C99 (2019) no.5, 054903

	second and third order event planes in AuAu collisions at $\sqrt{s}=200$ GeV		
27	Measurement of charm and bottom production from semileptonic hadron decays in pp collisions at $\sqrt{sNN}=200$ GeV	Коллаборация PHENIX	Phys.Rev. D99 (2019) no.9, 092003
28	Nonperturbative transverse momentum broadening in dihadron angular correlations in $\sqrt{sNN}=200$ GeV proton-nucleus collisions	Коллаборация PHENIX	Phys.Rev. C99 (2019) no.4, 044912
29	Constraints on nuclear parton distributions from dijet photoproduction at the LHC	V. Guzey (Jyvaskyla U. & St. Petersburg, INP), M. Klasen (Munster U., ITP)	Eur.Phys.J. C79 (2019) no.5, 396
30	FCC-ee: The Lepton Collider : Future Circular Collider Conceptual Design Report Volume 2	Коллаборация FCC (...В.Гузей,...)	Eur.Phys.J.ST 228 (2019) no.2, 261-623
31	FCC Physics Opportunities: Future Circular Collider Conceptual Design Report Volume 1	FCC Collaboration (A. Abada ...В.Гузей... <i>et al.</i>)	Eur.Phys.J. C79 (2019) no.6, 474
32	Recent results from PHENIX	В.Г.Рябов	EPJ Web Conf. 204 (2019) 01017
33	Overview of ALICE results on ultra-peripheral collisions	Е.Крышень	EPJ Web Conf. 204 (2019)
34	Production of muons from heavy-flavour hadron decays in pp collisions at $\sqrt{s} = 5.02$ TeV	Коллаборация ALICE	JHEP 1908 (2019) 133
35	Measurement of the production of charm jets tagged with D0 mesons in pp collisions at $\sqrt{s}=7$ TeV	Коллаборация ALICE	JHEP 1908 (2019) 133
36	Measurement of jet radial profiles in Pb—Pb collisions at $\sqrt{sNN}= 2.76$ TeV	Коллаборация ALICE	Phys.Lett. B796 (2019) 204-219
37	First Observation of an Attractive Interaction between a Proton and a Cascade Baryon	Коллаборация ALICE	Phys.Rev.Lett. 123 (2019) no.11, 112002
38	One-dimensional charged kaon femtoscopy in p-Pb collisions at $\sqrt{sNN} = 5.02$ TeV	Коллаборация ALICE	Phys.Rev. C100 (2019) no.2, 024002
39	Multiplicity dependence of (anti-)deuteron production in pp collisions at $\sqrt{s} = 7$ TeV	Коллаборация ALICE	Phys.Lett. B794 (2019) 50-63
40	Real-time data processing in the ALICE High Level Trigger at the	Коллаборация ALICE	Comput.Phys.Commun . 242 (2019) 25-48

	LHC		
41	Nuclear-matter distribution in the proton-rich nuclei ^7Be and ^8B from intermediate energy proton elastic scattering in inverse kinematics	Dobrovolsky, A., Khanzadeev, A et al.	Nucl.Phys. A989 (2019) 40-58
42	Nuclear dependence of the transverse single-spin asymmetry in the production of charged hadrons at forward rapidity in polarized p+p, p+Al, and p+Au collisions at $\sqrt{s_{NN}}=200$ GeV	Коллаборация PHENIX	Phys.Rev.Lett. 123 (2019) no.12, 122001
43	Beam Energy and Centrality Dependence of Direct-Photon Emission from Ultrarelativistic Heavy-Ion Collisions	Коллаборация PHENIX	Phys.Rev.Lett. 123 (2019) no.2, 022301
44	HE-LHC: The High-Energy Large Hadron Collider Volume : Future Circular Collider Conceptual Design Report Volume 4	Коллаборация HE LHC (...В.Гузей,...)	Eur.Phys.J.ST 228 (2019) no.5, 1109-1382
45	FCC-hh: The Hadron Collider : Future Circular Collider Conceptual Design Report Volume 3	Коллаборация FCC (...В.,Гузей...)	Eur.Phys.J.ST 228 (2019) no.4, 755-1107
46	Heavy vector meson photoproduction in ultra-peripheral collisions at the LHC	Е.Крышень	Acta Physica Polonica {\bf B50} (2019) 1095
47	Dijet Photoproduction in Ultraperipheral Collisions at the LHC and Nuclear PDFs at Small x	V.Guzey	Physics of Particles and Nuclei Letters, 2019, Vol. 16, No. 5, pp. 498–502
48	Nucleon dissociation and incoherent J/ψ photoproduction on nuclei in ion ultraperipheral collisions at the Large Hadron Collider	V. Guzey (Jyvaskyla U. & Helsinki U. & St. Petersburg, INP), M. Strikman (Penn State U.), M. Zhalov (St. Petersburg, INP).	Phys.Rev. C99 (2019) no.1, 015201
49	Hypertriton and antihypertriton lifetime measurement in Pb-Pb collisions at $\sqrt{s_{NN}}= 5.02$ TeV via two-body decay	ALICE Collaboration	Phys.Lett. B797 (2019) 134905
50	Measurement of $Y(1S)$ elliptic flow at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	ALICE Collaboration	Phys.Rev.Lett. 123 (2019) 192301
51	Measurement of the inclusive isolated photon production cross section in pp collisions at $\sqrt{s_{NN}}=7$ TeV	ALICE Collaboration	Eur.Phys.J. C79 (2019) no.11, 896
52	Inclusive J/ψ production at mid-rapidity in pp collisions at 5.02	ALICE Collaboration	JHEP 1910 (2019) 084

	TeV		
53	Study of the $\Lambda\Lambda$ interaction with femtoscopy correlations in pp and p-Pb collisions at the LHC	ALICE Collaboration	Phys.Lett. B797 (2019) 134822
54	Charged-particle production as a function of multiplicity and transverse sphericity in pp collisions at $\sqrt{s}=5.02$ and 13 TeV	ALICE Collaboration	Eur.Phys.J. C79 (2019) no.10, 857
55	Coherent J/ψ photoproduction at forward rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV	ALICE Collaboration	Phys.Lett. B798 (2019) 134926
56	Investigation of anisotropic flow using multi-particle azimuthal correlations in pp , p-Pb, Xe-Xe and Pb-Pb collisions at the LHC	ALICE Collaboration	Phys.Rev.Lett. 123 (2019) no.14, 142301
57	Event reconstruction of free-streaming data for the RICH detector in the CBM experiment	J. Adamczewski-Musch (Darmstadt, GSI), (D. Ivanischev, L. Kochenda, P. Kravtsov, M. Malaev, N. Miftakhov, Y. Ryabov, E. Roshchin, V. Samsonov, O. Tarasenkova, M. Vznuzdaev (PNPI))	EPJ Web Conf. 214 (2019) 01043
58	Детекторная электроника мюонного спектрометра ALICE	В. Иванов, В. Н. Никулин, Е. В. Роцин, В. М. Самсонов, А. В. Ханзадеев	ПРИБОРЫ И ТЕХНИКА ЭКСПЕРИМЕНТА, 2019, №6, стр. 24-38
59	Measurement of the neutral and charged K^* (892) mesons in the MPD experiment at NICA	Dmitry Ivanishchev , Dmitry Kotov, Evgeny Kryshen , Mikhail Malaev , Victor Riabov, and Yuriy Ryabov for the MPD Collaboration	EPJ Web of Conferences 222, 02005 (2019)
60	Perspectives of thermal photon measurements in heavy ion collisions at NICA	Evgeny Kryshen, Dmitry Ivanishchev, Dmitry Kotov, Mikhail Malaev, Victor Riabov, and Yuriy Ryabov	EPJ Web of Conferences 222, 02006 (2019)
