

Strikhanov Mikhail

List of Publications by Year in descending order

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364
papers

24,447
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#	ARTICLE	IF	CITATIONS
1	Flow and interferometry results from $\sqrt{s_{NN}} = 2.76$ TeV Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2021, 103, .	2.9	30
2	Nonmonotonic Energy Dependence of Net-Proton Number Fluctuations. <i>Physical Review Letters</i> , 2021, 126, 092301.	7.8	111
3	Measurements of dihadron correlations relative to the event plane in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Chinese Physics C</i> , 2021, 45, 044002.	3.7	5
4	Production and electromagnetic decay of hyperons: a feasibility study with HADES as a phase-0 experiment at FAIR. <i>European Physical Journal A</i> , 2021, 57, 1.	2.5	12
5	Comparison of transverse single-spin asymmetries for forward Λ production in polarized $\sqrt{s_{NN}} = 2.76$ TeV Au+Au collisions. <i>Physical Review Letters</i> , 2021, 127, 052302.	4.7	8
6	Global Polarization of Λ and $\bar{\Lambda}$ in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2021, 127, 052301.	7.8	52
7	Measurement of transverse single-spin asymmetries of Λ and electromagnetic jets at forward rapidity in 200 and 500 GeV transversely polarized proton-proton collisions. <i>Physical Review D</i> , 2021, 103, .	4.7	14
8	Measurements of multiplicity fluctuations of identified hadrons in inelastic proton-proton interactions at the CERN Super Proton Synchrotron. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	3
9	Spectra and mean multiplicities of π^0 in central $\sqrt{s_{NN}} = 13.0, 19.6, 30.0, 40.0, 75.0, 150.0$ GeV Au+Au collisions at beam momenta measured by the NA61/SHINE spectrometer at the CERN SPS. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	8
10	Longitudinal double-spin asymmetry for inclusive jet and dijet production in polarized proton collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review D</i> , 2021, 103, .	4.7	16
11	Methods for a blind analysis of isobar data collected by the STAR collaboration. <i>Nuclear Science and Techniques/Hewuli</i> , 2021, 32, 1.	3.4	25
12	Azimuthal anisotropy measurements of strange and multistrange hadrons in $\sqrt{s_{NN}} = 2.76$ TeV Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2021, 127, 052302.	2.9	8
13	Measurement of Λ and $\bar{\Lambda}$ in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2021, 127, 052301.	7.8	69
14	Observation of D^0 and D^+ in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2021, 127, 092301.	7.8	13
15	Enhancement in Λ and $\bar{\Lambda}$ in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2021, 127, 092301.	2.9	68
16	Cumulants and correlation functions of net-proton, proton, and antiproton multiplicity distributions in $\sqrt{s_{NN}} = 2.76$ TeV Au+Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , 2021, 104, .	2.9	68
17	Measurements of π^0 , K^0_S , p and Λ spectra in $\sqrt{s_{NN}} = 19.6, 30.0, 40.0, 75.0, 150.0$ GeV Au+Au collisions at beam momenta from 19A to 150A $\sqrt{s_{NN}} = 19.6, 30.0, 40.0, 75.0, 150.0$ GeV with the NA61/SHINE spectrometer at the CERN SPS. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	7
18	Measurement of the production cross section of Λ and $\bar{\Lambda}$ in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2021, 103, .	4.7	3
18	Measurements of Z and Λ cross sections and their ratios in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2021, 103, .	4.7	12

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19	Transition radiation measurements with a Si and a GaAs pixel sensor on a Timepix3 chip. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 958, 162037.	1.6	9
20	Strange hadron production in $\sqrt{s_{NN}} = 2.76$ and 2.76 TeV Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2020, 102, .	2.9	54
21	Measurement of ϕ meson production in $\sqrt{s_{NN}} = 200$ GeV. European Physical Journal C, 2020, 80, 1.	4.1	6
22	Measurement of ϕ meson production in $\sqrt{s_{NN}} = 200$ GeV. European Physical Journal C, 2020, 80, 1.	2.9	8
23	Measurements of ϕ meson production in $\sqrt{s_{NN}} = 17.3$ GeV. European Physical Journal C, 2020, 80, 1.	3.9	8
24	Beam energy dependence of net- \hat{b} fluctuations measured by the STAR experiment at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2020, 102, .	2.9	11
25	Proton-proton interactions and onset of deconfinement. Physical Review C, 2020, 102, .	2.9	10
26	Measurement of ϕ meson production in $\sqrt{s_{NN}} = 40, 80$ and 158 GeV. European Physical Journal C, 2020, 80, 1.	3.9	8
27	Measurement of the central exclusive production of charged particle pairs in proton-proton collisions at $\sqrt{s} = 200$ GeV with the STAR detector at RHIC. Journal of High Energy Physics, 2020, 2020, 1.	4.7	10
28	Search for an exotic $S=2, Q=2$ baryon resonance in proton-proton interactions at $\sqrt{s_{NN}} = 17.3$ GeV. Physical Review D, 2020, 101, .	4.7	1
29	Two-particle correlations in azimuthal angle and pseudorapidity in central $\sqrt{s_{NN}} = 2.76$ TeV $\text{Be} + \text{Be}$ collisions at the CERN Super Proton Synchrotron. European Physical Journal C, 2020, 80, 1.	3.9	0
30	Investigation of the linear and mode-coupled flow harmonics in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135728.	4.1	10
31	Measurement of groomed jet substructure observables in p+p collisions at $\sqrt{s} = 200$ GeV with STAR. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135846.	4.1	18
32	Measurement of inclusive charged-particle jet production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2020, 102, .	2.9	13
33	Measurement of ϕ meson production in $\sqrt{s_{NN}} = 200$ GeV. European Physical Journal C, 2020, 80, 1.	4.7	9
34	Beam energy dependence of the directed flow of deuterons in Au+Au collisions. Physical Review C, 2020, 102, .	2.9	10
35	Measurements of ϕ meson production in $\sqrt{s_{NN}} = 19A$ to 150 GeV in the NA61/SHINE experiment at the CERN SPS. European Physical Journal C, 2020, 80, 1.	3.9	5
36	First Measurement of ϕ meson production in $\sqrt{s_{NN}} = 200$ GeV. European Physical Journal C, 2020, 80, 1.	7.8	45

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37	Diffraction radiation from a charge as radiation from a superluminal source in a vacuum. Physics-Uspekh, 2020, 63, 303-308.	2.2	1
38	Fine structure of angular distribution of x-ray transition radiation from multilayered radiator in Geant4. Journal of Instrumentation, 2020, 15, C06024-C06024.	1.2	4
39	Measurement of the mass difference and the binding energy of the hypertriton and antihypertriton. Nature Physics, 2020, 16, 409-412.	16.7	76
40	Underlying event measurements in p+p collisions at $s=200\text{ GeV}$ at RHIC. Physical Review D, 2020, 101, .	4.7	11
41	Studies of the spectral and angular distributions of transition radiation using a silicon pixel sensor on a Timepix3 chip. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 961, 163681.	1.6	6
42	Bulk properties of the system formed in Au collisions at $\sqrt{s_{NN}} = 200\text{ GeV}$ at the BNL STAR detector. Physical Review C, 2020, 101, .	2.9	18
43	$K^*(892)^0$ meson production in inelastic p+p interactions at 158 GeV beam momentum measured by NA61/SHINE at the CERN SPS. European Physical Journal C, 2020, 80, 1.	3.9	10
44	Measurement of away-side broadening with self-subtraction of flow in Au+Au collisions at $\sqrt{s_{NN}} = 200\text{ GeV}$. Chinese Physics C, 2020, 44, 104001.	3.7	2
45	Collision-energy dependence of second-order off-diagonal and diagonal cumulants of net-charge, net-proton, and net-kaon multiplicity distributions in Au Au collisions. First Observation of the Directed Flow of D^0 and D^+ mesons in Au collisions at RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134975.	2.9	31
46	Measurements of the transverse-momentum-dependent cross-sections of J/ψ production at mid-rapidity in Au+Au collisions at RHIC. Physical Review C, 2019, 100, 034907.	7.8	61
47	Charge-dependent pair correlations relative to a third particle in $p\text{-Au}$ and $d\text{-Au}$ collisions at RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134975.	4.1	24
48	Measurements of the transverse-momentum-dependent cross-sections of J/ψ production at mid-rapidity in Au+Au collisions at RHIC. Physical Review C, 2019, 100, 034907.	4.7	10
49	Measurement of inclusive J/ψ suppression in Au+Au collisions at $\sqrt{s_{NN}} = 200\text{ GeV}$. Physical Review C, 2019, 100, 034907.	7.8	131
50	Beam energy dependence of (anti-)deuteron production in Au + Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2019, 99, .	4.1	22
51	First measurements of the spectral and angular distribution of transition radiation using a silicon pixel sensor on a Timepix3 chip. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 961, 163681.	7.8	22
52	The proton- Λ correlation function in Au+Au collisions at $\sqrt{s_{NN}} = 200\text{ GeV}$. Physical Review C, 2019, 100, 034907.	2.9	53
53	First measurements of the spectral and angular distribution of transition radiation using a silicon pixel sensor on a Timepix3 chip. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 961, 163681.	1.6	6
54	Measurement of the mass difference and the binding energy of the hypertriton and antihypertriton. Nature Physics, 2020, 16, 409-412.	4.1	56

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55	Identification of particles with Lorentz factor up to $\gamma = 10$ with Transition Radiation Detectors based on micro-strip silicon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated	1.6	7
56	Collision-energy dependence of $\langle p_T \rangle$ correlations in Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2019, 99, .	2.9	19
57	Azimuthal Harmonics in Small and Large Collision Systems at RHIC Top Energies. Physical Review Letters, 2019, 122, 172301.	7.8	36
58	Measurements of π^{\pm} , K^{\pm} and proton double differential yields from the surface of the T2K replica target for incoming 31 GeV/c protons with the NA61/SHINE spectrometer at the CERN SPS. European Physical Journal C, 2019, 79, 1.	3.9	23
59	Measurement of the longitudinal spin asymmetries for weak boson production in proton-proton collisions at $\sqrt{s} = 510$ GeV. Centrality and transverse momentum dependence of $\langle D_{02} \rangle$ -meson production at mid-rapidity in Au + Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2019, 99, .	4.7	23
60	Small-angle x-ray transition radiation from multilayered structures. Physical Review D, 2019, 99, .	2.9	47
61	Development of Transition Radiation Detectors for hadron identification at TeV energy scale. Journal of Physics: Conference Series, 2019, 1390, 012126.	4.7	3
62	Measurements of production and inelastic cross sections for p+C, p+Be, and p+Al at 60 GeV/c and p+C and p+Be at 120 GeV/c. Physical Review D, 2019, 100, .	4.7	10
63	Measurements of hadron production in $\sqrt{s_{NN}} = 2.76$ TeV Au+Au collisions. Physical Review C, 2019, 99, .	4.7	5
64	Measurement of the energy spectra and of the angular distribution of the Transition Radiation with a silicon strip detector. Journal of Physics: Conference Series, 2019, 1390, 012115.	0.4	0
65	Incoherent X-ray diffraction radiation for noninvasive diagnostics of transverse size of ultrarelativistic beams. Journal of Physics: Conference Series, 2019, 1390, 012099.	0.4	0
66	Longitudinal double-spin asymmetry for inclusive jet and dijet production in $\sqrt{s_{NN}} = 2.76$ TeV Au+Au collisions. Physical Review C, 2019, 99, .	4.7	30
67	Constraining the initial conditions and temperature dependent viscosity with three-particle correlations in Au+Au collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 81-88.	4.1	3
68	Personnel training for the developing nuclear power industry. Nuclear Energy and Technology, 2019, 5, 201-206.	0.2	2
69	Smith-Purcell radiation from concave dotted gratings. Journal of Instrumentation, 2018, 13, C02045-C02045.	1.2	6
70	Azimuthal transverse single-spin asymmetries of inclusive jets and charged pions within jets from polarized-proton collisions at $\sqrt{s_{NN}} = 500$ GeV. Physical Review D, 2018, 97, .	4.7	27
71	Beam-Energy Dependence of Directed Flow $\langle v_2 \rangle$ in Au+Au collisions. Physical Review C, 2018, 97, .	7.8	66
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73	X-Ray Transition Radiation from a Polypropylene Radiator: Experiment and Geant4. Physics of Atomic Nuclei, 2018, 81, 1618-1621.	0.4	1
74	Improved measurement of the longitudinal spin transfer to Λ and Σ hyperons in polarized proton-proton collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2018, 98, .	4.7	7
75	Low- p_T production cross section and its dependence on charged-particle multiplicity in $p\bar{p}$ collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2018, 98, .	4.7	12
76	Pair Production in e^+e^- Collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2018, 98, .	4.7	6
77	Production cross section and its dependence on charged-particle multiplicity in $p\bar{p}$ collisions at $\sqrt{s} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 87-93.	4.1	25
78	Harmonic decomposition of three-particle azimuthal correlations at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2018, 98, .	2.9	33
79	Longitudinal double-spin asymmetries for Λ baryons in the forward direction for 510 GeV polarized pp collisions. Physical Review D, 2018, 98, .	4.7	9
80	Longitudinal double-spin asymmetries for dijet production at intermediate pseudorapidity in polarized $p\bar{p}$ collisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2018, 98, .	4.7	13
81	Collision energy dependence of moments of net-kaon multiplicity distributions at RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 551-560.	4.1	107
82	Measurements of total production cross sections for Λ baryons in Au+Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2018, 97, .	4.7	9
83	Measurement of the Λ baryon production cross section and its dependence on charged-particle multiplicity in Au+Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2018, 97, .	2.9	52
84	Correlation measurements between flow harmonics in Au+Au collisions at RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 459-465.	4.1	22
85	Global polarization of Λ hyperons in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2018, 98, .	2.9	205
86	Beam Energy Dependence of Jet-Quenching Effects in Au+Au Collisions at $\sqrt{s_{NN}} = 7.7, 11.5, 14.5, 19.6, 27, 39,$ and 62.4 GeV. Physical Review Letters, 2018, 121, 032301.	7.8	33
87	Transverse spin-dependent azimuthal correlations of charged pion pairs measured in $p\bar{p}$ collisions at $\sqrt{s} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 332-339.	4.1	19
88	Beam energy dependence of rapidity-even dipolar flow in Au+Au collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 26-32.	4.1	7
89	Azimuthal anisotropy in Cu+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2018, 98, .	2.9	23
90	Microscopic calculations of dielectric properties for hyperbolic metamaterials. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	0

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91	Microscopic theory of Smith-Purcell radiation from 2D photonic crystal. Nuclear Instruments & Methods in Physics Research B, 2017, 402, 206-211.	1.4	9
92	First experimental observation of the conical effect in Smith-Purcell radiation. JETP Letters, 2017, 105, 553-560.	1.4	9
93	Geant4 simulations of the lead fluoride calorimeter. Nuclear Instruments & Methods in Physics Research B, 2017, 402, 256-262.	1.4	3
94	Direct virtual photon production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 451-458.	4.1	37
95	Challenges in QCD matter physics –The scientific programme of the Compressed Baryonic Matter experiment at FAIR. European Physical Journal A, 2017, 53, 1.	2.5	222
96	THz polarization radiation from electrons passing corrugated dielectric tube under non-central propagation. Nuclear Instruments & Methods in Physics Research B, 2017, 402, 198-201.	1.4	1
97	Smith-Purcell radiation from a ribbon beam as effective THz and X-ray source. Nuclear Instruments & Methods in Physics Research B, 2017, 402, 177-181.	1.4	0
98	Permeability tensor for a metamaterial adjacent to a metal. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	0
99	Bulk properties of the medium produced in relativistic heavy-ion collisions from the beam energy scan program. Physical Review C, 2017, 96, .	2.9	357
100	Dijet imbalance measurements in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Instruments & Methods in Physics Research B, 2017, 402, 177-181.	7.8	20
101	Measurements of jet quenching with semi-inclusive hadron+jet distributions in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2017, 96, .	2.9	44
102	Metal Hall sensors for the new generation fusion reactors of DEMO scale. Nuclear Fusion, 2017, 57, 116042.	3.5	22
103	Effects of correlation in transition radiation of super-short electron bunches. Nuclear Instruments & Methods in Physics Research B, 2017, 402, 130-133.	1.4	0
104	Energy dependence of J/ψ production in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 13-20.	4.1	37
105	Photon spectrum and polarization for high conversion coefficient in the Compton backscattering process. Nuclear Instruments & Methods in Physics Research B, 2017, 402, 216-219.	1.4	2
106	Charge-Dependent Directed Flow in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 118, 012301.	7.8	19
107	Global \hat{p}_T hyperon polarization in nuclear collisions. Nature, 2017, 548, 62-65.	27.8	585
108	Coherent diffractive photoproduction of η mesons on gold nuclei at 200 GeV/nucleon-pair at the Relativistic Heavy Ion Collider. Physical Review C, 2017, 96, .	2.9	32

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109	Measurement of the cross section and longitudinal double-spin asymmetry for dijet production in polarized pp collisions at $\sqrt{s}=200$ GeV. Physical Review D, 2017, 95, .	4.7	22
110	Elliptic flow of electrons from heavy-flavor hadron decays in Au+Au collisions at $\sqrt{s_{NN}}=200, 62.4,$ and 39 GeV. Physical Review C, 2017, 95, .	2.9	18
111	Azimuthal Anisotropy at Midrapidity in Au+Au Collisions at $\sqrt{s_{NN}}=200, 62.4,$ and 39 GeV. Physical Review C, 2017, 95, .	2.9	18
112	Metal nanofilms for magnetic field sensors. , 2017, , .		0
113	Measurements of angular distribution and spectrum of transition radiation with a GridPix detector. Journal of Physics: Conference Series, 2017, 934, 012049.	0.4	4
114	Measurement of meson resonance production in $\pi^+ + C$ interactions at SPS energies. European Physical Journal C, 2017, 77, 1.	3.9	15
115	Measurements of $\pi^+ p \rightarrow K^+ p$ and $\pi^- p \rightarrow K^- p$ and $\pi^+ p \rightarrow \pi^+ p$. European Physical Journal C, 2017, 77, 1.	3.9	83
116	Study of single-spin asymmetries with polarized target at the SPASCHARM experiment at U70 accelerator. Journal of Physics: Conference Series, 2017, 798, 012096.	0.4	0
117	Beam polarimetry at the SPASCHARM experiment at IHEP U-70 accelerator. Journal of Physics: Conference Series, 2017, 798, 012179.	0.4	0
118	Comparative study of the inclusive asymmetries induced by polarized protons and antiprotons at 16 GeV at the U70 accelerator. Journal of Physics: Conference Series, 2017, 938, 012014.	0.4	0
119	Simultaneous measurements of spin observables A_N and A_{NN} in elastic pp scattering (extension of the SPASCHARM program at U-70).. Journal of Physics: Conference Series, 2017, 938, 012006.	0.4	0
120	Smith-Purcell radiation from periodic beams. Optics Express, 2017, 25, 26310.	3.4	26
121	Study of single-spin asymmetries with polarized target at the SPASCHARM experiment at U70 accelerator. Journal of Physics: Conference Series, 2016, 678, 012048.	0.4	1
122	Bragg coherent x-ray diffractive imaging of a single indium phosphide nanowire. Journal of Optics (United Kingdom), 2016, 18, 064007.	2.2	30
123	Measurement of elliptic flow of light nuclei at $\sqrt{s_{NN}}=200, 62.4, 39, 27, 19.6, 11.5,$ and 7.7 GeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2016, 94, .	2.9	3
124	Generalized Clausius-Mossotti relation for semi-infinite artificial periodic structure. Journal of Physics: Conference Series, 2016, 740, 012012.	0.4	1
125	Near-side azimuthal and pseudorapidity correlations using neutral strange baryons and mesons in Au+Au collisions at $\sqrt{s_{NN}}=200, 62.4, 39, 27, 19.6, 11.5,$ and 7.7 GeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2016, 94, .	2.9	3
126	Jet-like correlations with direct-photon and neutral-pion triggers at $\sqrt{s_{NN}}=200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 689-696.	4.1	36

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127	Centrality dependence of identified particle elliptic flow in relativistic heavy ion collisions at $\langle v_2 \rangle$ Physical Review C, 2016, 93.	2.9	55
128	Probing parton dynamics of QCD matter with $\langle v_2 \rangle$ and $\langle v_3 \rangle$ production. Physical Review C, 2016, 93, .	2.9	43
129	$\langle v_2 \rangle$ production at low transverse momentum in p+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2016, 93.	2.9	13
130	Centrality and Transverse Momentum Dependence of Elliptic Flow of Multistrange Hadrons $\langle v_2 \rangle$ $\langle v_2 \rangle$ Collisions Physical Review C, 2016, 93.	7.8	58
131	$\langle v_2 \rangle$ production at low transverse momentum in p+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2016, 93.	7.8	73
132	Beam Energy Dependence of the Third Harmonic of Azimuthal Correlations in $\langle v_3 \rangle$ $\langle v_3 \rangle$ Collision at RHIC. Physical Review Letters, 2016, 116, 112302.	7.8	47
133	Polarimetry with inclusive charged pions at U-70 accelerator of IHEP. Journal of Physics: Conference Series, 2016, 678, 012028.	0.4	0
134	Beam-energy dependence of charge balance functions from Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2016, 94, .	2.9	21
135	Permittivity and permeability of semi-infinite metamaterial. Journal of Physics: Conference Series, 2016, 740, 012011.	0.4	1
136	Local field effects in periodic metamaterials. Journal of Physics: Conference Series, 2016, 741, 012128.	0.4	2
137	$\langle v_2 \rangle$ production in U + U collisions at $\sqrt{s_{NN}}=2.76$ GeV measured with the STAR experiment. Physical Review C, 2016, 94, .	2.9	21
138	Polarized antiproton beam at U-70 accelerator of IHEP. Journal of Physics: Conference Series, 2016, 678, 012047.	0.4	0
139	Properties of polarization radiation from charged particles beam brushing surface of a solid. Vacuum, 2016, 129, 157-160.	3.5	2
140	Elastic scattering polarimeter for a polarized antiproton beam at U-70 accelerator of IHEP. Journal of Physics: Conference Series, 2016, 678, 012034.	0.4	3
141	Corrugated capillary as THz Cherenkov Smith-Purcell radiator. Journal of Physics: Conference Series, 2016, 732, 012038.	0.4	0
142	Di-hadron correlations with identified leading hadrons in 200 GeV Au + Au and d + Au collisions at STAR. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 233-240.	4.1	11
143	Energy dependence of $\langle v_2 \rangle$, $\langle v_3 \rangle$, and $\langle v_4 \rangle$ fluctuations in Au+Au collisions from $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review C, 2015, 92, .	2.9	17
144	Measurements of dielectron production in Au + Au collisions at $\sqrt{s_{NN}}=2.76$ GeV from the STAR experiment. Physical Review C, 2015, 92, .	2.9	15

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145	Observation of Charge Asymmetry Dependence of Pion Elliptic Flow and the Possible Chiral Magnetic Wave in Heavy-Ion Collisions. Physical Review Letters, 2015, 114, 252302.	7.8	93
146	Observation of Transverse Spin-Dependent Azimuthal Correlations of Charged Pion Pairs in $\hat{a}_T^{\perp} \langle \cos(\phi_{\pi} - \phi_{\pi'}) \rangle$	7.8	25
147	$U \langle \cos(\phi_{\pi} - \phi_{\pi'}) \rangle$ and $U \langle \cos(\phi_{\pi} - \phi_{\pi'}) \rangle$	7.8	85
148	Beam-energy-dependent two-pion interferometry and the freeze-out eccentricity of pions measured in heavy ion collisions at the STAR detector. Physical Review C, 2015, 92, .	2.9	65
149	Precision Measurement of the Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in Polarized Proton Collisions at $\langle \cos(\phi_{\pi} - \phi_{\pi'}) \rangle$	7.8	70
150	Dielectric permittivity of artificial periodic structure and local field effects. Journal of Physics: Conference Series, 2015, 643, 012066.	0.4	4
151	Long-range pseudorapidity dihadron correlations in d+ Au collisions at $NN \langle \cos(\phi_{\pi} - \phi_{\pi'}) \rangle$		68
152	Local field effects and metamaterials based on colloidal quantum dots. Journal of Physics: Conference Series, 2015, 643, 012074.	0.4	3
153	THz radiation under non-central propagation of electrons through periodical channel. Journal of Physics: Conference Series, 2015, 643, 012119.	0.4	0
154	Temperature dependence of photoluminescence of GaAs/AlGaAs quantum rings. Journal of Physics: Conference Series, 2015, 643, 012073.	0.4	3
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158	Energy dependence of acceptance-corrected dielectron excess mass spectrum at mid-rapidity in Au+Au collisions at $NN \langle \cos(\phi_{\pi} - \phi_{\pi'}) \rangle$	4.1	32
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166	Parametric X-ray radiation from composite bunches. Nuclear Instruments & Methods in Physics Research B, 2015, 355, 135-139.	1.4	1
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168	Measurement of interaction between antiprotons. Nature, 2015, 527, 345-348.	27.8	71
169	Experimental evaluation of stable long term operation of semiconductor magnetic sensors at ITER relevant environment. Nuclear Fusion, 2015, 55, 083006.	3.5	21
170	Conical diffraction effect in optical and x-ray Smith-Purcell radiation. Physical Review Special Topics: Accelerators and Beams, 2015, 18, .	1.8	20
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182	Beam-Energy Dependence of Charge Separation along the Magnetic Field at RHIC. Physical Review Letters, 2014, 113, 052302.	7.8	147
183	Energy Dependence of Moments of Net-Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2014, 112, 032302.	7.8	365
184	Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at RHIC. Physical Review C, 2014, 89, .	2.9	73
185	Beam-Energy Dependence of the Directed Flow of Protons, Antiprotons, and Pions in Au+Au Collisions. Physical Review Letters, 2014, 112, 162301.	7.8	186
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210	System-size dependence of transverse momentum correlations at 200 GeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2013, 87, .	2.9	9
211	Anisotropy in Au+Au collisions at the LHC. Physical Review Letters, 2013, 110, 142301.	7.8	38
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232	Diffraction Radiation from Relativistic Particles. Springer Tracts in Modern Physics, 2011, .	0.1	52
233	Observation of the antimatter helium-4 nucleus. Nature, 2011, 473, 353-356.	27.8	154
234	Evolution of the differential transverse momentum correlation function with centrality in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 467-473.	4.1	29

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238	Physical Review C, 2011, 83, .	2.9	37
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241	Smith-Purcell radiation from a chain of spheres. Journal of Physics: Conference Series, 2010, 236, 012023.	0.4	5
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243	System size dependence of associated yields in hadron-triggered jets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 683, 123-128.	4.1	15
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250	Observation of charge-dependent azimuthal correlations and possible local strong parity violation in heavy-ion collisions. Physical Review C, 2010, 81, .	2.9	263
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252	Higher Moments of Net Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2010, 105, 022302.	7.8	278

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256	Observation of an Antimatter Hypernucleus. Science, 2010, 328, 58-62.	12.6	249
257	Inclusive \bar{K} production at high transverse momentum in pp collisions, and direct photon production at high transverse momenta in pp collisions	2.9	32
258	Neutral pion production in pp collisions at high transverse momenta in pp collisions and pp collisions	2.9	81
259	Azimuthal Charged-Particle Correlations and Possible Local Strong Parity Violation. Physical Review Letters, 2009, 103, 251601.	7.8	424
260	Neutral pion production in pp collisions at high transverse momenta in pp collisions	2.9	25
261	Indications of Conical Emission of Charged Hadrons at the BNL Relativistic Heavy Ion Collider. Physical Review Letters, 2009, 102, 052302.	7.8	91
262	K Fluctuations at Relativistic Energies. Physical Review Letters, 2009, 103, 092301.	7.8	53
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264	Beam-energy and system-size dependence of dynamical net charge fluctuations. Physical Review C, 2009, 79, .	2.9	44
265	Systematic measurements of identified particle spectra in pp collisions	2.9	714
266	Long range rapidity correlations and jet production in high energy nuclear collisions. Physical Review C, 2009, 80, .	2.9	220
267	Growth of Long Range Forward-Backward Multiplicity Correlations with Centrality in $Au+Au$ Collisions	7.8	79
268	Energy and system size dependence of ρ -meson production in pp collisions and pp collisions	4.1	71
269	Longitudinal double-polarization and cross section for inclusive neutral pion production at mid-rapidity in polarized proton collisions at $\sqrt{s_{NN}}=200$ GeV	4.7	37
270	Longitudinal spin transfer to Λ hyperons in polarized proton collisions at $\sqrt{s_{NN}}=200$ GeV	4.7	17

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273	Local field effect in diffraction radiation from a periodical system of dielectric spheres. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 3811-3815.	1.4	11
274	System-Size Independence of Directed Flow Measured at the BNL Relativistic Heavy-Ion Collider. Physical Review Letters, 2008, 101, 252301.	7.8	102
275	Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in $\sqrt{s} = 200$ GeV Collisions. Physical Review Letters, 2008, 100, 232003.	7.8	89
276	Enhanced strange baryon production in Au+Au collisions compared to p+Au collisions. Physical Review Letters, 2008, 100, 232003.	2.9	97
277	Centrality dependence of charged hadron and strange hadron elliptic flow from Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2008, 100, 232003.	2.9	225
278	Spin alignment measurements of the $\langle \mathbf{p} \cdot \mathbf{p}' \rangle$ meson production in relativistic heavy-ion collisions at the BNL Relativistic Heavy Ion Collider (RHIC). Physical Review C, 2009, 79, .		

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291	Two-particle correlations on transverse momentum and momentum dissipation in Au+Au collisions at $\sqrt{s} = 130$ GeV. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 799-816.	3.6	14
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293	Mass, quark-number, and centrality dependence of the second and fourth flow harmonics in ultrarelativistic nucleus-nucleus collisions. Physical Review C, 2007, 75, .	2.9	112
294	Transverse Momentum and Centrality Dependence of High-pT Nonphotonic Electron Suppression in Au+Au Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2007, 98, 192301.	7.8	379
295	Energy dependence of centrality dependence of the second and fourth flow harmonics in ultrarelativistic nucleus-nucleus collisions. Physical Review C, 2007, 75, .	4.1	8
296	Energy dependence of centrality dependence of the second and fourth flow harmonics in ultrarelativistic nucleus-nucleus collisions. Physical Review C, 2007, 75, .	4.1	161
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303	Multiplicity dependence of inclusive pT spectra from p+pcollisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2006, 74, .	4.7	60
304	Minijet deformation and charge-independent angular correlations on momentum subspace $(\hat{r}, \hat{\phi})$ in Au-Au collisions at $\sqrt{s} = 130$ GeV. Physical Review C, 2006, 73, .	2.9	166
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309	Forward Neutral Pion Production in p+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 152302.	7.8	166
310	Longitudinal Double-Spin Asymmetry and Cross Section for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 252001.	7.8	141
311	Directed flow in Au+Au collisions at $\sqrt{s_{NN}}=62.4$ GeV. Physical Review C, 2006, 73, .	2.9	55
312	Proton- \bar{p} correlations in central Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2006, 74, .	2.9	47
313	Neutral kaon interferometry in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2006, 74, .	2.9	35
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319	Transverse-momentum dependent modification of dynamic texture in central Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 71, .	2.9	3
320	Incident energy dependence of ρ correlations at relativistic energies. Physical Review C, 2005, 72, .	2.9	84
321	Multistrange Baryon Elliptic Flow in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 95, 122301.	7.8	164
322	Multiplicity and Pseudorapidity Distributions of Photons in Au+Au Collisions at $\sqrt{s_{NN}}=62.4$ GeV. Physical Review Letters, 2005, 95, 062301.	7.8	42
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324	Pion interferometry in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 71, .	2.9	248

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328	Azimuthally Sensitive Hanbury Brown-Twiss Interferometry in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 93, .	7.8	84
329	Rapidity and centrality dependence of proton and antiproton production from Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review C, 2004, 70, .	2.9	19
330	Photon and neutral pion production in Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review C, 2004, 70, .	2.9	19
331	Azimuthal Anisotropy and Correlations at Large Transverse Momenta in p+Au and Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 93, 252301.	7.8	122
332	Identified Particle Distributions in p+Au and Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 92, 112301.	7.8	368
333	Cross Sections and Transverse Single-Spin Asymmetries in Forward Neutral-Pion Production from Proton Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 92, 171801.	7.8	220
334	Λ Production and Possible Modification in Au+Au and p+p Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 92, 092301.	7.8	127
335	Centrality and pseudorapidity dependence of charged hadron production at intermediate p_T in Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review C, 2004, 70, .	2.9	9
336	Production of e^+e^- pairs accompanied by nuclear dissociation in ultraperipheral heavy-ion collisions. Physical Review C, 2004, 70, .	2.9	79
337	Multistrange Baryon Production in Au-Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2004, 92, 182301.	7.8	140
338	Particle-Type Dependence of Azimuthal Anisotropy and Nuclear Modification of Particle Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 92, 052302.	7.8	477
339	Pseudorapidity asymmetry and centrality dependence of charged hadron spectra in d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 70, .	2.9	34
340	Measurements of transverse energy distributions in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 70, .	2.9	62
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