

# Alexander Barnyakov

## List of Publications by Year in descending order

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Version: 2024-02-01

312  
papers

6,008  
citations

134610

34  
h-index

156644

58  
g-index

312  
all docs

312  
docs citations

312  
times ranked

7498  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dependence of the refractive index of transparent ZrO <sub>2</sub> -SiO <sub>2</sub> aerogels on the density and zirconium content. <i>Ceramics International</i> , 2021, 47, 9585-9590.	2.3	8
2	Measurement of the $e^+e^- \rightarrow \gamma^* \rightarrow \mu^+\mu^-$ process cross section with the SND detector at the VEPP-2000 collider in the energy region $0.525 \leq \sqrt{s} \leq 0.883$ GeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	11
3	Studies of charm and beauty hadron long-range correlations in pp and pPb collisions at LHC energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 813, 136036.	1.5	13
4	Correlations of azimuthal anisotropy Fourier harmonics with subevent cumulants in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review C</i> , 2021, 103, .	1.1	1
5	Feasibility studies for the measurement of time-like proton electromagnetic form factors from $\gamma^* \rightarrow p \rightarrow \mu^+\mu^-$ at $\sqrt{s} \approx 1.5$ GeV at FAIR. <i>European Physical Journal A</i> , 2021, 57, 1.	1.0	7
6	The production of the large scale aerogel radiators for use in the Ring-imaging Cherenkov detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 952, 162035.	0.7	1
7	Development of a picosecond MCP based particle detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 952, 161831.	0.7	1
8	PID system based on focusing aerogel RICH for the super Charm-Tau factory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 952, 162247.	0.7	5
9	Particle identification system for the Super Charm-Tau Factory at Novosibirsk. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 958, 162352.	0.7	5
10	Search for direct production of the $f_1(1285)$ resonance in $e^+e^-$ collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 800, 135074.	1.5	7
11	Observation of nuclear modifications in $W^{\pm}$ boson production in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 800, 135048.	1.5	18
12	Search for light pseudoscalar boson pairs produced from decays of the 125 GeV Higgs boson in final states with two muons and two nearby tracks in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 800, 135042.	1.5	28
13	Measurement of the single top quark and antiquark production cross sections in the t channel and their ratio in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 800, 135042.	1.5	12
14	Particle detection efficiency of the KEDR detector ASHIPH system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 952, 162278.	0.7	0
15	The production of isolated photons in PbPb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	4
16	The project of the Super Charm-Tau Factory in Novosibirsk. <i>Journal of Physics: Conference Series</i> , 2020, 1561, 012004.	0.3	14
17	Overview of PID options for experiments at the Super Charm-Tau Factory. <i>Journal of Instrumentation</i> , 2020, 15, C04032-C04032.	0.5	6
18	Measurement of CKM matrix elements in single top quark t-channel production in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 808, 135609.	1.5	8

#	ARTICLE	IF	CITATIONS
19	Addendum to: Measurement of $\hat{\sigma}(J/\psi)$ with KEDR detector. Journal of High Energy Physics, 2020, 2020, 1.	1.6	0
20	Investigation into the event-activity dependence of $\hat{\sigma}(nS)$ relative production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	12
21	Bose-Einstein correlations of charged hadrons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	11
22	Study of the process $e^+e^- \rightarrow \eta \pi^0 \gamma$ in the energy range $\sqrt{s} = \{1.05-2.00\}$ GeV with the SND detector. European Physical Journal C, 2020, 80, 1.	1.4	5
23	Search for electroweak production of a vector-like T quark using fully hadronic final states. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
24	Search for a heavy pseudoscalar Higgs boson decaying into a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
25	Measurement of properties of $B_{(s)}^0 \rightarrow \tau^+ \tau^- \nu_{\tau}$ decays and search for $B_{(s)}^0 \rightarrow \tau^+ \tau^- \nu_{\tau} \nu_{\tau}$ with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	1.6	41
26	DIRC options for the Super Charm Tau Factory. Journal of Instrumentation, 2020, 15, C02032-C02032.	0.5	2
27	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.	0.5	27
28	Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	10
29	Measurement of the cross section for $\overline{t}t$ production with additional jets and b jets in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	5
30	Search for charged Higgs bosons decaying into a top and a bottom quark in the all-jet final state of pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	41
31	Measurement of the $Y(1S) \rightarrow \tau^+ \tau^- \nu_{\tau}$ pair production cross section and search for resonances decaying to $Y(1S) \rightarrow \tau^+ \tau^- \nu_{\tau}$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135578.	1.5	27
32	Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	37
33	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P05002-P05002.	0.5	3
34	Search for supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 202001.	1.6	11
35	Quark-like $\tau$ decays in $B_{(s)}^0 \rightarrow \tau^+ \tau^- \nu_{\tau}$ collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 202001.	2.9	13
36	Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, .	1.6	10

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37	Study of central exclusive "Equation missing" <!-- No EquationSource Format="TEX", only image --> production in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV. European Physical Journal C, 2020, 80, 718.	1.4	7
38	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 752.	1.4	23
39	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 125, 102001.	2.9	9
40	Search for physics beyond the standard model in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	25
41	Pileup mitigation at CMS in 13 TeV data. Journal of Instrumentation, 2020, 15, P09018-P09018.	0.5	47
42	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	0.5	84
43	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	1.6	21
44	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	66
45	Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques. Journal of Instrumentation, 2020, 15, P06005-P06005.	0.5	56
46	Measurements with silicon photomultipliers of dose-rate effects in the radiation damage of plastic scintillator tiles in the CMS hadron endcap calorimeter. Journal of Instrumentation, 2020, 15, P06009-P06009.	0.5	5
47	Combination of the W boson polarization measurements in top quark decays using ATLAS and CMS data at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	9
48	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
49	Search for dijet resonances using events with three jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 125, 135263.	1.5	18
50	Search for dijet resonances using events with three jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135448.	1.5	6
51	Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
52	Search for new neutral Higgs bosons through the $H \rightarrow b\bar{b}$ process in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	27
53	Search for direct pair production of supersymmetric partners to the $\tau$ lepton in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 189.	1.4	22
54	Multiparticle correlation studies in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2020, 101, .	1.1	9

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55	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on anomalous quartic couplings. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
56	Determination of the strong coupling constant $\hat{\alpha}_S(m_Z)$ from measurements of inclusive $W\Delta^\pm$ and Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	6
57	Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	7
58	Measurement of electroweak production of a $W$ boson in association with two jets in proton-proton collisions at $\sqrt{s}=13$ , ext {TeV}. European Physical Journal C, 2020, 80, 43.	1.4	11
59	Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	1
60	Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft Lepton, a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s}=13$ , ext {TeV}. Physical Review Letters, 2020, 124, 041803.	2.9	6
61	Evidence for $W$ production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13$ , ext {TeV}. European Physical Journal C, 2020, 80, 1.	1.4	10
62	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s}=13$ , ext {TeV}. European Physical Journal C, 2020, 80, 75.	1.4	78
63	Searches for physics beyond the standard model with the $M_{T2}$ variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s}=13$ , ext {TeV}. European Physical Journal C, 2020, 80, 3.	1.4	70
64	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	1.4	198
65	Search for a narrow resonance lighter than 200 GeV decaying to a pair of muons in proton-proton collisions at $\sqrt{s}=13$ , ext {TeV}. Physical Review Letters, 2020, 124, 111801.	2.9	61
66	Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\tau\mu$ , and $e\tau$ , in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	15
67	A search for the standard model Higgs boson decaying to charm quarks. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
68	Search for a narrow resonance lighter than 200 GeV decaying to a pair of muons in proton-proton collisions at $\sqrt{s}=13$ , ext {TeV}. Physical Review Letters, 2020, 124, 131802.	1.5	6
69	Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	25
71	Study of excited $\chi_{c0}$ states decaying to $\chi_{c0}\gamma$ in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135345.	1.5	24
72	A measurement of the Higgs boson mass in the diphoton decay channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135425.	1.5	63

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73	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
74	A multi-dimensional search for new heavy resonances decaying to boosted $WZ$ , $WZ$ , or $ZZ$ boson pairs in the dijet final state at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 237.	1.4	31
75	Measurement of the top quark pair production cross section in dilepton final states containing one $\tau$ , lepton in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.5	28
76	Measurement of the top quark pair production cross section in dilepton final states containing one $\tau$ , lepton in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
77	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.5	16
78	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	26
79	Dependence of inclusive jet production on the anti-kT distance parameter in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	8
80	Observation of the $B^0 \rightarrow \tau^+ \tau^-$ decay in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135203.	1.5	6
81	FARICH detector beam test results. Journal of Instrumentation, 2020, 15, C10014-C10014.	0.5	2
82	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 370.	1.4	22
83	Measurement of normalised multi-differential cross sections in $pp$ collisions at $\sqrt{s} = 13$ TeV, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. European Physical Journal C, 2020, 80, 1.	1.4	33
84	Investigation of Cherenkov radiation component in LYSO(Ce) crystals. Journal of Physics: Conference Series, 2020, 1561, 012018.	0.3	1
85	Particle identification algorithms for the PANDA Barrel DIRC. Journal of Instrumentation, 2020, 15, C09057-C09057.	0.5	1
86	The PANDA DIRCs. Journal of Instrumentation, 2020, 15, C09059-C09059.	0.5	0
87	Measurement of the $e^+e^- \rightarrow K^+ K^- \pi^0$ cross section with the SND detector. European Physical Journal C, 2020, 80, 1.	1.4	2
88	Search for the Process $e^+e^- \rightarrow \eta' \gamma$ with the SND Detector. Physics of Atomic Nuclei, 2020, 83, 714-719.	0.1	0
89	Study of dynamics of the process $e^+e^- \rightarrow \pi^+ \pi^- \pi^0$ in the energy range 1.15–2.00 GeV. European Physical Journal C, 2020, 80, 1.	1.4	5
90	Experimental study of Cherenkov radiation component in LYSO(Ce) crystals. Journal of Instrumentation, 2020, 15, C10010-C10010.	0.5	1

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91	Separation of the Process $e^+e^- \rightarrow e^+e^- \gamma \rightarrow e^+e^- \gamma \gamma$ by Means of time Measurements in the Calorimeter. Physics of Atomic Nuclei, 2020, 83, 937-939.	0.1	0
92	Study of the Dynamics of the Process $e^+e^- \rightarrow e^+e^- \gamma \rightarrow e^+e^- \gamma \gamma$ in the Energy Range between 1.15 and 2.00 GeV. Physics of Atomic Nuclei, 2020, 83, 940-943.	0.1	0
93	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two $\tilde{l}$ , leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	33
94	Search for a $W\tilde{\chi}^0$ boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
95	Inclusive search for supersymmetry in pp collisions at $\sqrt{s}=13$ TeV using razor variables and boosted object identification in zero and one lepton final states. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
96	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	17
97	Search for excited leptons in $\tilde{\chi}^0, \tilde{\chi}^{\pm}, \tilde{\chi}^{\pm\pm}$ final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
98	Search for new particles decaying to a jet and an emerging jet. Journal of High Energy Physics, 2019, 2019, 1.	1.6	24
99	Search for the production of $W\tilde{\chi}^0$ events at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 100, .	1.6	10
100	Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at $s=13$ TeV. Physical Review D, 2019, 99, .	1.6	20
101	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	9
102	Search for pair production of second-generation leptoquarks at $s=13$ TeV. Physical Review D, 2019, 99, .	1.6	32
103	Search for pair production of first-generation scalar leptoquarks at $s=13$ TeV. Physical Review D, 2019, 99, .	1.6	31
104	Search for dark matter in events with a leptoquark and missing transverse momentum in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 76-99.	1.5	6
105	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 564.	1.4	50
106	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two muons and two b quarks in pp collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 398-423.	1.5	41
107	Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	8
108	Measurement of the top quark mass in the all-jets final state at $\sqrt{s}=13$ TeV and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.	1.4	40

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109	Search for long-lived particles using nonprompt jets and missing transverse momentum with proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134876.	1.5	26
110	Combination of CMS searches for heavy resonances decaying to pairs of bosons or leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134952.	1.5	17
111	Search for anomalous electroweak production of vector boson pairs in association with two jets in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134985.	1.5	36
112	Search for MSSM Higgs bosons decaying to $\tilde{1}_4 + \tilde{1}_4$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134992.	1.5	19
113	An embedding technique to determine $\tilde{1}_1, \tilde{1}_2$ backgrounds in proton-proton collision data. Journal of Instrumentation, 2019, 14, P06032-P06032.	0.5	12
114	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 13$ TeV using the CMS detector. Journal of Instrumentation, 2019, 14, P07004-P07004.	0.5	83
115	Measurement of the top quark Yukawa coupling from $t\bar{t}\hat{A}$ kinematic distributions in the lepton+jets final state in proton-proton collisions at $s = 13$ TeV. Physical Review D, 2019, 100, .	1.6	6
116	Charged-particle angular correlations in XeXe collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2019, 100, .	1.0	10
117	Boson and a $C$ -Odd Higgs Boson in Final States with $P$ . Physical Review D, 2019, 100, .	2.9	21
118	Study of $e^+e^- \rightarrow \gamma^* \rightarrow \text{hadrons}$ at the VEPP-2000 collider. EPJ Web of Conferences, 2019, 199, 02026.	0.1	0
119	The Super C-Factory particle identification system options. EPJ Web of Conferences, 2019, 212, 01012.	0.1	2
120	Measurement of the $e^+e^- \rightarrow \gamma^* \rightarrow \mu^+\mu^-$ cross section below $\sqrt{s} = 10$ GeV. Physical Review D, 2019, 99, .	1.6	10
121	Mesons in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2019, 123, 022001.	2.9	17
122	Search for charged Higgs bosons in the $H\hat{A} \rightarrow \hat{1}_1, \hat{A} \rightarrow \tilde{1}_1, \tilde{1}_2$ decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	54
123	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, Evidence for light-by-light scattering and searches for axion-like particles in ultraperipheral PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 281-307.	1.4	4
124	Search for Higgs boson decays to $J/\psi + \gamma$ or $\Upsilon + \gamma$ pairs in the four-muon final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134811.	1.5	87
125	Search for Higgs boson decays to $J/\psi + \gamma$ or $\Upsilon + \gamma$ pairs in the four-muon final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134811.	1.5	36
126	Search for Higgs and Z boson decays to $J/\psi + \gamma$ or $\Upsilon + \gamma$ pairs in the four-muon final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134811.	1.5	12



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127	A search for pair production of new light bosons decaying into muons in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 796, 131-154.	1.5	27
128	Measurement of $B \rightarrow B^0 \mu^+ \mu^-$ meson production in pp and PbPb collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 796, 168-190.	1.5	14
129	Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
130	CMS Collaboration. Nuclear Physics A, 2019, 982, 1010-1035.	0.6	0
131	Measurement and interpretation of differential cross sections for Higgs boson production at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 369-396.	1.5	28
132	Search for an $L \bar{L}$ gauge boson using $Z \rightarrow \tau^+ \tau^-$ events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 345-368.	1.5	19
133	Search for a low-mass $\tilde{t}_1$ resonance in association with a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	9
134	Search for the associated production of the Higgs boson and a vector boson in proton-proton collisions at $\sqrt{s} = 13$ TeV via Higgs boson decays to $\tilde{l}, \tilde{\nu}_l$ leptons. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
135	Search for the pair production of light top squarks in the $e^+ e^-$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
136	Measurement of associated production of a $W$ boson and a charm quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 269.	1.4	35
137	Combinations of single-top-quark production cross-section measurements and $ f_{LVtb} $ determinations at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS experiments. Journal of High Energy Physics, 2019, 2019, 1.	1.6	9
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185	Search for supersymmetry using Higgs boson to diphoton decays at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	4
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