

Alexander Barnyakov

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/10197068/alexander-barnyakov-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

308
papers

3,041
citations

24
h-index

34
g-index

312
ext. papers

4,219
ext. citations

3.6
avg, IF

3.22
L-index

#	Paper	IF	Citations
308	Dependence of the refractive index of transparent ZrO ₂ /BiO ₂ aerogels on the density and zirconium content. <i>Ceramics International</i> , 2021 , 47, 9585-9590	5.1	3
307	Measurement of the $e^+e^- \rightarrow \mu^+\mu^-$ process cross section with the SND detector at the VEPP-2000 collider in the energy region 0.525 Journal of High Energy Physics, 2021 , 2021, 1	5.4	1
306	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	4.2	1
305	Feasibility studies for the measurement of time-like proton electromagnetic form factors from $(\bar{p}p \rightarrow \mu^+\mu^-)$ at (overline{text {P}})text {AND(A)} at FAIR. <i>European Physical Journal A</i> , 2021 , 57, 1	2.5	3
304	Pileup mitigation at CMS in 13 TeV data. <i>Journal of Instrumentation</i> , 2020 , 15, P09018-P09018	1	14
303	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P10017-P10017	1	23
302	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12
301	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	20
300	Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques. <i>Journal of Instrumentation</i> , 2020 , 15, P06005-P06005	1	18
299	Measurements with silicon photomultipliers of dose-rate effects in the radiation damage of plastic scintillator tiles in the CMS hadron endcap calorimeter. <i>Journal of Instrumentation</i> , 2020 , 15, P06009-P06009	1	2
298	Combination of the W boson polarization measurements in top quark decays using ATLAS and CMS data at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
297	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $(\sqrt{\text{mathrm{s}}}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
296	Running of the top quark mass from proton-proton collisions at $s=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135263	4.2	9
295	Search for dijet resonances using events with three jets in proton-proton collisions at $s=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 805, 135448	4.2	1
294	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. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
293	Search for new neutral Higgs bosons through the $(\text{mathrm{H}} \rightarrow \text{mathrm{ZA}} \rightarrow \{\ell\}^{\{+\}}\{\ell\}^{\{-}}\text{mathrm{b}} \overline{\text{mathrm{b}}})$ process in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10
292	Search for direct pair production of supersymmetric partners to the lepton in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 189	4.2	3

291	Multiparticle correlation studies in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review C</i> , 2020 , 101,	2.7	2
290	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at ($\sqrt{\text{mathrm{s}}}$) = 13 TeV and constraints on anomalous quartic couplings. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
289	Determination of the strong coupling constant $\alpha_S(m_Z)$ from measurements of inclusive W^\pm and Z boson production cross sections in proton-proton collisions at ($\sqrt{\text{mathrm{s}}}$) = 7 and 8 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
288	Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
287	Measurement of electroweak production of a boson in association with two jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 43	4.2	6
286	Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	1
285	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 $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2020 , 124, 041803	7.4	3
284	Evidence for (W^+W^-) production from double-parton interactions in proton-proton collisions at ($\sqrt{s} = 13$,text {TeV}). <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4
283	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 75	4.2	24
282	Searches for physics beyond the standard model with the variable in hadronic final states with and without disappearing tracks in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 3	4.2	16
281	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , 2020 , 80, 4	4.2	61
280	Constraints on the ρ_{c1} versus ρ_{c2} Polarizations in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2020 , 124, 162002	7.4	6
279	Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\mu\tau$ and $e\mu$ in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	6
278	A search for the standard model Higgs boson decaying to charm quarks. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
277	Study of J/ψ meson production inside jets in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 804, 135409	4.2	3
276	Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2020 , 124, 131802	7.4	12
275	Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	11
274	Study of excited B_0 states decaying to $B_0\pi$ in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135345	4.2	19

273	A measurement of the Higgs boson mass in the diphoton decay channel. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 805, 135425	4.2	25
272	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	7
271	A multi-dimensional search for new heavy resonances decaying to boosted χ , χ , or boson pairs in the dijet final state at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2020 , 80, 237	4.2	10
270	Production of Λ^+ baryons in proton-proton and lead-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135328	4.2	11
269	Measurement of differential cross sections and charge ratios for t -channel single top quark production in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2020 , 80, 370	4.2	4
268	Measurement of $(\bar{t}t)$ normalised multi-differential cross sections in (pp) collisions at $(\sqrt{s} = 13, \text{TeV})$, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. <i>European Physical Journal C</i> , 2020 , 80, 370	4.2	13
267	Search for the Process $(e^+e^- \rightarrow \eta' \gamma)$ with the SND Detector. <i>Physics of Atomic Nuclei</i> , 2020 , 83, 714-719	0.4	
266	Study of dynamics of the process $(e^+e^- \rightarrow \pi^+ \pi^- \pi^0)$ in the energy range 1.15-2.00 GeV. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	0
265	Experimental study of Cherenkov radiation component in LYSO(Ce) crystals. <i>Journal of Instrumentation</i> , 2020 , 15, C10010-C10010	1	
264	Separation of the Process $(e^+e^- \rightarrow t\bar{t})$ by Means of time Measurements in the Calorimetric. <i>Physics of Atomic Nuclei</i> , 2020 , 83, 937-939	0.4	
263	Study of the Dynamics of the Process $(e^+e^- \rightarrow \pi^+ \pi^- \pi^0)$ in the Energy Range between 1.15 and 2.00 GeV. <i>Physics of Atomic Nuclei</i> , 2020 , 83, 940-943	0.4	
262	Investigation of Cherenkov radiation component in LYSO(Ce) crystals. <i>Journal of Physics: Conference Series</i> , 2020 , 1561, 012018	0.3	1
261	Particle identification algorithms for the PANDA Barrel DIRC. <i>Journal of Instrumentation</i> , 2020 , 15, C09057-C09057		
260	The PANDA DIRCs. <i>Journal of Instrumentation</i> , 2020 , 15, C09059-C09059	1	
259	Measurement of the $(e^+e^- \rightarrow K^+ K^- \pi^0)$ cross section with the SND detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	0
258	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. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	16
257	Dependence of inclusive jet production on the anti-kT distance parameter in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
256	Observation of the $B^0 \rightarrow \mu^+ \mu^-$ decay in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 802, 135203	4.2	5

255	FARICH detector beam test results. <i>Journal of Instrumentation</i> , 2020 , 15, C10014-C10014	1	1
254	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	1.2	3
253	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	4.2	4
252	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	4.2	9
251	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, 135087	4.2	15
250	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	4.2	8
249	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	1.2	
248	The production of isolated photons in PbPb and pp collisions at $(\sqrt{s_{\mathrm{NN}}}) = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
247	The project of the Super Charm-Tau Factory in Novosibirsk. <i>Journal of Physics: Conference Series</i> , 2020 , 1561, 012004	0.3	4
246	Overview of PID options for experiments at the Super Charm-Tau Factory. <i>Journal of Instrumentation</i> , 2020 , 15, C04032-C04032	1	1
245	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	4.2	3
244	Addendum to: Measurement of $\beta_e(J/\psi)$ with KEDR detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	
243	Investigation into the event-activity dependence of $\eta(nS)$ relative production in proton-proton collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
242	Bose-Einstein correlations of charged hadrons in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	2
241	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. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	0
240	Search for electroweak production of a vector-like T quark using fully hadronic final states. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
239	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. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	5
238	Measurement of properties of $(\mathrm{B}_{\mathrm{s}}^0)$ -like decays and search for B_0 -like with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	10

237	DIRC options for the Super Charm Tau Factory. <i>Journal of Instrumentation</i> , 2020 , 15, C02032-C02032	1	1
236	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P02027-P02027	1	11
235	Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	4
234	Measurement of the cross section for $(\overline{t}t)$ production with additional jets and b jets in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	1
233	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. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	13
232	Measurement of the $Y(1S)$ pair production cross section and search for resonances decaying to $Y(1S)\pi\pi$ in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 808, 135578	4-2	10
231	Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	18
230	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2020 , 15, P05002-P05002	1	
229	Search for supersymmetry in pp collisions at $s=13$ TeV with 137 fb^{-1} in final states with a single lepton using the sum of masses of large-radius jets. <i>Physical Review D</i> , 2020 , 101,	4-9	6
228	Measurement of the Jet Mass Distribution and Top Quark Mass in Hadronic Decays of Boosted Top Quarks in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2020 , 124, 202001	7-4	2
227	Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2020 , 102,	4-9	6
226	Study of central exclusive production in proton-proton collisions at and 13TeV. <i>European Physical Journal C</i> , 2020 , 80, 718	4-2	2
225	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. <i>European Physical Journal C</i> , 2020 , 80, 752	4-2	2
224	Studies of Charm Quark Diffusion inside Jets Using Pb-Pb and pp Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2020 , 125, 102001	7-4	3
223	Search for physics beyond the standard model in multilepton final states in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	8
222	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	1-2	1
221	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	1-2	1
220	PID system based on focusing aerogel RICH for the super C-Factory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020 , 952, 162247	1-2	4

219	Measurement of the top quark pair production cross section in dilepton final states containing one lepton in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	0
218	Measurement of the $t\bar{t}b\bar{b}$ production cross section in the all-jet final state in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135285	4.2	5
217	Search for a Light Charged Higgs Boson Decaying to a W Boson and a CP-Odd Higgs Boson in Final States with $e\bar{\nu}_\tau$ in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 123, 131802	7.4	6
216	Study of e^+e^- annihilation to hadrons at the VEPP-2000 collider. <i>EPJ Web of Conferences</i> , 2019 , 199, 02026	0.3	
215	The Super C-Factory particle identification system options. <i>EPJ Web of Conferences</i> , 2019 , 212, 01012	0.3	2
214	Measurement of the $e^+e^- \rightarrow \mu^+\mu^-$ cross section below $s=2$ GeV. <i>Physical Review D</i> , 2019 , 99,	4.9	6
213	Studies of Beauty Suppression via Nonprompt $D^{\{0\}}$ Mesons in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2019 , 123, 022001	7.4	7
212	Search for charged Higgs bosons in the $H^\pm \rightarrow \tau^\pm \nu_\tau$ decay channel in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	24
211	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 305	4.2	2
210	Evidence for light-by-light scattering and searches for axion-like particles in ultraperipheral PbPb collisions at $s_{NN}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134826	4.2	35
209	Measurement of electroweak WZ boson production and search for new physics in WZ + two jets events in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 795, 281-307	4.2	19
208	Search for Higgs and Z boson decays to $J/\psi \gamma$ pairs in the four-muon final state in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134811	4.2	4
207	A search for pair production of new light bosons decaying into muons in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 796, 131-154	4.2	16
206	Measurement of B_s^0 meson production in pp and PbPb collisions at $s_{NN}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 796, 168-190	4.2	5
205	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. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
204	Measurement and interpretation of differential cross sections for Higgs boson production at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 792, 369-396	4.2	18
203	Search for an L_μ gauge boson using $Z \rightarrow \mu\mu$ events in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 792, 345-368	4.2	29
202	Search for a low-mass χ resonance in association with a bottom quark in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4

201	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 $\ell\bar{\ell}$ leptons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
200	Search for the pair production of light top squarks in the $e\bar{e}$ final state in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
199	Measurement of associated production of a boson and a charm quark in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 269	4.2	9
198	Combinations of single-top-quark production cross-section measurements and $ f_{LVVtb} $ determinations at $(\sqrt{s}) = 7$ and 8 TeV with the ATLAS and CMS experiments. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
197	Observation of prompt J/ψ meson elliptic flow in high-multiplicity pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 791, 172-194	4.2	14
196	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 421	4.2	153
195	Search for supersymmetry in events with a photon, jets, $\bar{\nu}$ -jets, and missing transverse momentum in proton-proton collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 444	4.2	1
194	Measurements of the Higgs boson width and anomalous HVV couplings from on-shell and off-shell production in the four-lepton final state. <i>Physical Review D</i> , 2019 , 99,	4.9	42
193	Measurements of the pp $\bar{t}W$ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	10
192	Search for a $W^?$ boson decaying to a ℓ lepton and a neutrino in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 792, 107-131	4.2	15
191	Measurement of the production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. <i>European Physical Journal C</i> , 2019 , 79, 368	4.2	27
190	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $(\sqrt{s} = 13, \text{TeV})$. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	7
189	Search for nonresonant Higgs boson pair production in the $(\overline{b}b\overline{b}b)$ final state at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
188	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 280	4.2	12
187	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
186	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 364	4.2	18
185	Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 121803	7.4	35
184	Jet Shapes of Isolated Photon-Tagged Jets in Pb-Pb and pp Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 152001	7.4	8

183	Search for W Boson Decays to Three Charged Pions. <i>Physical Review Letters</i> , 2019 , 122, 151802	7.4	1
182	Search for single production of vector-like quarks decaying to a top quark and a boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 90	4.2	6
181	Search for rare decays of and Higgs bosons to and a photon in proton-proton collisions at $\sqrt{s}=13$. <i>European Physical Journal C</i> , 2019 , 79, 94	4.2	7
180	Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	9
179	Search for long-lived particles decaying into displaced jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	24
178	Measurements of $(\overline{\text{t}})$ differential cross sections in proton-proton collisions at $(\sqrt{s}=13)$ TeV using events containing two leptons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	15
177	Search for Narrow H Resonances in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 081804	7.4	1
176	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
175	Measurement of inclusive and differential Higgs boson production cross sections in the diphoton decay channel in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
174	Search for resonant $(\overline{\text{t}})$ production in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	13
173	Observation of Single Top Quark Production in Association with a Z Boson in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 132003	7.4	6
172	Observation of Two Excited B_{c}^{+} States and Measurement of the $B_{c}^{+}(2S)$ Mass in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 132001	7.4	31
171	Search for production of Higgs boson pairs in the four b quark final state using large-area jets in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
170	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two leptons and two jets in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	18
169	Search for a W' boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	4
168	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. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
167	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. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
166	Search for excited leptons in final states in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2

165	Search for new particles decaying to a jet and an emerging jet. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	15
164	Search for the production of $W\Xi W\Xi$ events at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	3
163	Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	13
162	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 ($\sqrt{s} = 13, \text{text \{TeV\}}$). <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	6
161	Search for pair production of second-generation leptoquarks at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	20
160	Search for pair production of first-generation scalar leptoquarks at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	15
159	Search for dark matter in events with a leptoquark and missing transverse momentum in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 795, 76-99	4.2	2
158	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at. <i>European Physical Journal C</i> , 2019 , 79, 564	4.2	20
157	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. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 795, 398-423	4.2	17
156	Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
155	Measurement of the top quark mass in the all-jets final state at and combination with the lepton+jets channel. <i>European Physical Journal C</i> , 2019 , 79, 313	4.2	13
154	Search for long-lived particles using nonprompt jets and missing transverse momentum with proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 797, 134876	4.2	15
153	Combination of CMS searches for heavy resonances decaying to pairs of bosons or leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 798, 134952	4.2	10
152	Search for anomalous electroweak production of vector boson pairs in association with two jets in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 798, 134985	4.2	16
151	Search for MSSM Higgs bosons decaying to $\Xi\Xi$ in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 798, 134992	4.2	11
150	An embedding technique to determine Ξ backgrounds in proton-proton collision data. <i>Journal of Instrumentation</i> , 2019 , 14, P06032-P06032	1	5
149	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 13$ TeV using the CMS detector. <i>Journal of Instrumentation</i> , 2019 , 14, P07004-P07004	1	39
148	Measurement of the top quark Yukawa coupling from $t\bar{t}$ kinematic distributions in the lepton+jets final state in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	5

147	Charged-particle angular correlations in XeXe collisions at $\sqrt{s_{NN}}=5.44$ TeV. <i>Physical Review C</i> , 2019 , 100,	2.7	14
146	Crossing integer spin resonance with conservation of beam polarization. <i>Physical Review Accelerators and Beams</i> , 2019 , 22,	1.8	2
145	Search for dark photons in decays of Higgs bosons produced in association with Z bosons in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	7
144	Search for supersymmetry using Higgs boson to diphoton decays at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
143	Measurements of differential Z boson production cross sections in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	11
142	Search for anomalous triple gauge couplings in WW and WZ production in lepton + jet events in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	9
141	Study of the $(\mathbf{B}^+ \rightarrow \mathbf{J}/\psi \overline{\Lambda} \mathbf{p})$ decay in proton-proton collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	1
140	Search for low-mass resonances decaying into bottom quark-antiquark pairs in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	12
139	Search for pair-produced three-jet resonances in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 99,	4.9	2
138	Search for resonances decaying to a pair of Higgs bosons in the $b(\overline{b})q(\overline{q})$ final state in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
137	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in collisions at. <i>European Physical Journal C</i> , 2019 , 79, 969	4.2	1
136	Pseudorapidity distributions of charged hadrons in xenon-xenon collisions at $\sqrt{s_{NN}}=5.44$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 799, 135049	4.2	5
135	Search for vectorlike leptons in multilepton final states in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	14
134	Search for pair production of vectorlike quarks in the fully hadronic final state. <i>Physical Review D</i> , 2019 , 100,	4.9	18
133	Measurement of the top quark polarization and tt spin correlations using dilepton final states in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	13
132	Constraints on anomalous HVV couplings from the production of Higgs bosons decaying to lepton pairs. <i>Physical Review D</i> , 2019 , 100,	4.9	11
131	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	10
130	Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2

129	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 893	4.2	6
128	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	21
127	Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets. <i>Physical Review Letters</i> , 2019 , 123, 241801	7.4	
126	Search for new physics in top quark production in dilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 886	4.2	6
125	Search for long-lived particles using delayed photons in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2019 , 100,	4.9	7
124	Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 123, 231803	7.4	7
123	Precise measurement of R_{uds} and R between 1.84 and 3.72 GeV at the KEDR detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 788, 42-51	4.2	6
122	Technical design report for the $\overline{\text{P}}\text{ANDA}$ Barrel DIRC detector. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019 , 46, 045001	2.9	17
121	Measurement of $\text{Br}(\text{B} \rightarrow \text{D}^* \text{K})$ for D^* meson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 781, 174-181	4.2	0
120	Development of FARICH detector for particle identification system at accelerators. <i>Physics of Particles and Nuclei</i> , 2018 , 49, 30-32	0.7	1
119	Measurement of the $e^+e^- \rightarrow \text{B} \rightarrow \text{K} \ell^+ \ell^-$ cross section with the SND detector at the VEPP-2000 collider. <i>Physical Review D</i> , 2018 , 97,	4.9	8
118	Response of microchannel plates in ionization mode to single particles and electromagnetic showers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018 , 879, 6-12	1.2	7
117	Measurement of the $e^+e^- \rightarrow \text{B} \rightarrow \text{K} \ell^+ \ell^-$ Cross Section by Means of the SND Detector. <i>Physics of Atomic Nuclei</i> , 2018 , 81, 205-213	0.4	8
116	Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 062002	7.4	8
115	Recent Results from the SND Detector. <i>Physics of Particles and Nuclei</i> , 2018 , 49, 730-734	0.7	
114	Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets in proton-proton collisions at ($\sqrt{s}=8$) and 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
113	Collider experiment SND and Precision Physics with hadronic e^+e^- cross sections. <i>Journal of Physics: Conference Series</i> , 2018 , 1138, 012016	0.3	
112	Measurement of the hadronic cross sections with the CMD-3 and SND detectors at the VEPP-2000 collider. <i>EPJ Web of Conferences</i> , 2018 , 182, 02068	0.3	

111	Measurement of the $e^+e^- \rightarrow \mu^+\mu^-$ cross section in the energy range 1.075–2 GeV at SND. <i>Physical Review D</i> , 2018 , 98,	4.9	5
110	Search for pair-produced resonances decaying to quark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2018 , 98,	4.9	8
109	Study of e^+e^- annihilation to hadrons with SND at the VEPP-2000 collider. <i>Nuclear and Particle Physics Proceedings</i> , 2018 , 300-302, 81-86	0.4	
108	Charged-particle nuclear modification factors in XeXe collisions at ($\sqrt{s_{\text{NN}}}$) = 5.44 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	11
107	Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at (\sqrt{s})=13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	14
106	Event shape variables measured using multijet final states in proton-proton collisions at (\sqrt{s})=13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
105	Search for physics beyond the standard model in high-mass diphoton events from proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2018 , 98,	4.9	14
104	Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 241802	7.4	20
103	Search for long-lived particles with displaced vertices in multijet events in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2018 , 98,	4.9	12
102	Performance of reconstruction and identification of τ leptons decaying to hadrons and ν_{τ} in pp collisions at $\sqrt{s}=13$ TeV. <i>Journal of Instrumentation</i> , 2018 , 13, P10005-P10005	1	29
101	Evidence for the Associated Production of a Single Top Quark and a Photon in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 221802	7.4	6
100	Studies of ρ and mesons including the observation of the decay in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 939	4.2	12
99	Particle Identification Systems Based on an Aerogel Developed at BINP SB RAS. <i>Physics of Particles and Nuclei</i> , 2018 , 49, 741-745	0.7	
98	Search for the process $e^+e^- \rightarrow \mu^+\mu^-$ <i>Physical Review D</i> , 2018 , 98,	4.9	2
97	Observation of the $\chi_{b1}(3P)$ and $\chi_{b2}(3P)$ and Measurement of their Masses. <i>Physical Review Letters</i> , 2018 , 121, 092002	7.4	16
96	Measurement of $B_c(J/\psi)$ with KEDR detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
95	Observation of Higgs Boson Decay to Bottom Quarks. <i>Physical Review Letters</i> , 2018 , 121, 121801	7.4	79
94	Measurement of the $e^+e^- \rightarrow K_S^0 K_L^0$ cross section in the energy range $\sqrt{s}=1.3\text{--}2.0$ GeV. <i>Physical Review D</i> , 2018 , 97,	4.9	7

93	Calibration procedure in microchannel amplifiers design. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018 , 903, 170-174 ^{1,2}	1.2	1
92	Beam test results on the detection of single particles and electromagnetic showers with microchannel plates. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017 , 845, 471-474	1.2	1
91	Measurement of the photoelectron collection efficiency in MCP PMT. <i>Journal of Instrumentation</i> , 2017 , 12, P03027-P03027	1	4
90	Aerogel mass production for the CLAS12 RICH: Novel characterization methods and optical performance. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017 , 876, 168-172	1.2	6
89	Microchannel plates phototubes in high magnetic field. <i>Journal of Instrumentation</i> , 2017 , 12, C09013-C09013		6
88	Numerical simulation of fast photo detectors based on microchannel plates. <i>Journal of Instrumentation</i> , 2017 , 12, P09024-P09024	1	4
87	Measurement of R between 1.84 and 3.05 GeV at the KEDR detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 770, 174-181	4.2	14
86	Investigation into Cherenkov light scattering and refraction on aerogel surface. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017 , 876, 249-251	1.2	1
85	Recent results from SND detector at VEPP-2000 collider. <i>Nuclear and Particle Physics Proceedings</i> , 2017 , 287-288, 57-60	0.4	1
84	Feasibility study for the measurement of χ transition distribution amplitudes at PANDA in $p\bar{p}$ -ij/D. <i>Physical Review D</i> , 2017 , 95,	4.9	12
83	Conceptual design of MCP based particle detector. <i>Journal of Instrumentation</i> , 2017 , 12, C08024-C08024		1
82	Test of microchannel plates in magnetic fields up to 4.5 T. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017 , 845, 588-590	1.2	15
81	The TAIGA experiment: From cosmic-ray to gamma-ray astronomy in the Tunka valley. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017 , 845, 330-333	1.2	11
80	A fast timing calorimetric layer using micro-channel plates in ionisation mode. <i>Journal of Instrumentation</i> , 2017 , 12, C03019-C03019	1	
79	Micro-channel plates in ionization mode as a fast timing device for future hadron colliders. <i>Journal of Instrumentation</i> , 2017 , 12, C08014-C08014	1	3
78	Simulation of the ASHIPH Cherenkov counters of the KEDR detector. <i>Journal of Instrumentation</i> , 2017 , 12, C07041-C07041	1	1
77	Measurement of the $e^+e^- \rightarrow \mu^+\mu^-$ cross section below $\sqrt{s}=2$ GeV. <i>Physical Review D</i> , 2016 , 94,	4.9	13
76	Updated measurement of the $e^+e^- \rightarrow \mu^+\mu^-$ cross section with the SND detector. <i>Physical Review D</i> , 2016 , 94,	4.9	18

75	Study of the process $e+e \rightarrow \mu\mu$ in the energy range $s = 1.05 \div 1.0$ GeV. <i>Physical Review D</i> , 2016 , 94,	4.9	12
74	Measurement of the $e+e \rightarrow K^+K^-$ cross section in the energy range $s = 1.05 \div 1.0$ GeV. <i>Physical Review D</i> , 2016 , 94,	4.9	22
73	Feasibility studies of time-like proton electromagnetic form factors at (overline{rm P})ANDA at FAIR. <i>European Physical Journal A</i> , 2016 , 52, 1	2.5	22
72	Recent results on $e+e \rightarrow \text{hadrons}$ cross sections from SND and CMD-3 detectors at VEPP-2000 collider. <i>Nuclear and Particle Physics Proceedings</i> , 2016 , 273-275, 1991-1996	0.4	2
71	Measurement of the energy of electrons extracted from the VEPP-4M accelerator. <i>Journal of Instrumentation</i> , 2016 , 11, P03004-P03004	1	14
70	Recent results from SND detector 2016 ,		3
69	Measurement of hadron cross sections with the SND detector. <i>EPJ Web of Conferences</i> , 2016 , 130, 05004	0.3	7
68	Measurement of R_{uds} and R between 3.12 and 3.72 GeV at the KEDR detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 753, 533-541	4.2	19
67	Operation and performance of the ASHIPH counters at the KEDR detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 824, 79-82	1.2	7
66	Impact of polishing on the light scattering at aerogel surface. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016 , 824, 123-124	1.2	2
65	Study of doubly strange systems using stored antiprotons. <i>Nuclear Physics A</i> , 2016 , 954, 323-340	1.3	11
64	New results of measurement of cross sections for electron-positron annihilation to hadrons with the SND detector at VEPP-2000. <i>Physics of Atomic Nuclei</i> , 2015 , 78, 497-508	0.4	
63	Measurement of the $e+e \rightarrow \mu\mu$ cross section in the center-of-mass energy range $1.22 \div 1.00$ GeV with the SND detector at the VEPP-2000 collider. <i>Physical Review D</i> , 2015 , 91,	4.9	27
62	Measurement of R at KEDR. <i>Nuclear and Particle Physics Proceedings</i> , 2015 , 260, 85-86	0.4	
61	Testing aerogel Cherenkov counters with $n = 1.05$ using electrons and muons. <i>Instruments and Experimental Techniques</i> , 2015 , 58, 30-35	0.5	13
60	Experimental access to Transition Distribution Amplitudes with the P ANDA experiment at FAIR. <i>European Physical Journal A</i> , 2015 , 51, 1	2.5	21
59	Final analysis of KEDR data on J/ψ and $\psi(2S)$ masses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 749, 50-56	4.2	16
58	Search for the $\psi \rightarrow e+e$ decay with the SND detector. <i>Physical Review D</i> , 2015 , 91,	4.9	11

57	Hadronic cross sections measurement with the SND detector at VEPP-2000 e+e ⁻ collider. <i>Physica Scripta</i> , 2015 , T166, 014018	2.6	
56	On the search for the $\tau \rightarrow e \pi^0$ decay at the VEPP-2000 e + e ⁻ collider. <i>JETP Letters</i> , 2015 , 102, 266-270	1.2	4
55	Study of the e + e ⁻ $\rightarrow \pi^0 \pi^0$ process in the energy range 1.05-1.00 GeV. <i>Journal of Experimental and Theoretical Physics</i> , 2015 , 121, 27-34	1	12
54	Measurement of the hadronic cross sections at Novosibirsk. <i>EPJ Web of Conferences</i> , 2015 , 96, 01022	0.3	4
53	Threshold aerogel Cherenkov counters of the KEDR detector. <i>Journal of Instrumentation</i> , 2014 , 9, C09005-C09005		
52	Test results of the threshold aerogel Cherenkov counter system with n = 1.05 using electrons and muons at p Journal of Instrumentation, 2014 , 9, C08010-C08010	1	1
51	Extracted electron and gamma beams in BINP. <i>Journal of Instrumentation</i> , 2014 , 9, C08022-C08022	1	19
50	Precise measurements of the hadronic cross sections with the CMD-3 and SND detectors at the VEPP-2000e+e ⁻ collider. <i>EPJ Web of Conferences</i> , 2014 , 71, 00121	0.3	4
49	Light Hadron Production in Experiments with the SND Detector at the e+e ⁻ Collider VEPP-2000. <i>EPJ Web of Conferences</i> , 2014 , 81, 02018	0.3	
48	Study of the process e+e ⁻ $\rightarrow \pi^0 \pi^0$ at the VEPP-2000 e+e ⁻ collider with the SND detector. <i>Physical Review D</i> , 2014 , 90,	4.9	39
47	Measurement of J/ ψ decay rate and α parameters at KEDR. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 738, 391-396	4.2	11
46	Study of the process e+e ⁻ $\rightarrow \pi^0 \pi^0$ in the center-of-mass energy range 1.07-1.00 GeV. <i>Physical Review D</i> , 2014 , 90,	4.9	13
45	Particle identification system based on dense aerogel for SND detector at VEPP-2000 collider. <i>Journal of Instrumentation</i> , 2014 , 9, C09023-C09023	1	8
44	Aerogel for FARICH detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 766, 235-236	1.2	9
43	Tests of FARICH prototype with precise photon position detection. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 766, 88-91	1.2	7
42	Measurement of the ratio of the lepton widths . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 731, 227-231	4.2	3
41	The KEDR detector. <i>Physics of Particles and Nuclei</i> , 2013 , 44, 657-702	0.7	50
40	Study of e+e ⁻ $\rightarrow \pi^0 \pi^0$ in the energy range 1.05-1.00 GeV with the SND detector. <i>Physical Review D</i> , 2013 , 88,	4.9	34

39	Beam test of FARICH prototype with digital photon counter. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 732, 352-356	1.2	18
38	Particle identification system based on dense aerogel. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 732, 330-332 ^{1.2}		8
37	Study of H-8500 MaPMT for the FDIRC detector at SuperB. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 718, 563-565	1.2	
36	A particle identification detector for the forward region of the SuperB experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 718, 557-559	1.2	2
35	Front-end electronics for the SuperB charged particle identification detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 718, 186-188	1.2	2
34	Progress on development of the new FDIRC PID detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 718, 541-545	1.2	9
33	Measurement of main parameters of the . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 711, 280-291	4.2	21
32	Measurement of $(B770)$ parameters. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 711, 292-300	4.2	23
31	First results of spherical neutral detector (SND) experiments at VEPP-2000. <i>Progress in Particle and Nuclear Physics</i> , 2012 , 67, 594-598	10.6	5
30	First results of SND experiments at VEPP-2000. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2012 , 225-227, 48-51		
29	Spherical Neutral Detector for experiments at VEPP-2000 $e+e$ collider. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2012 , 225-227, 66-68		7
28	First results on the nucleon form factors from SND. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2012 , 225-227, 201-204		2
27	Measurement of the cross section for the $e + e \rightarrow \mu + \mu + \gamma$ process in the energy range of 1.1-1.9 GeV. <i>JETP Letters</i> , 2012 , 94, 734-737	1.2	8
26	Lepton mass determination at KEDR. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2011 , 218, 155-159		2
25	Search for narrow resonances in $e+e$ annihilation between 1.85 and 3.1 GeV with the KEDR detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 703, 543-546 ^{4.2}		5
24	Focusing Aerogel RICH for particle identification and momentum measurement. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 639, 290-293	1.2	8
23	Status of aerogel production in Novosibirsk. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011 , 639, 225-226	1.2	12
22	Particle identification aerogel counter with $n=1.13$ for . <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010 , 623, 336-338 ^{1.2}		8

21	Measurement of μ onium and μ onium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 685, 134-140	4.2	14
20	Measurement of μ onium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 686, 84-90	4.2	12
19	High density aerogel for ASHIPH SND best results. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 598, 163-165 ^{1,2}	1.2	32
18	FARICH optimization for precise velocity measurement. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 598, 169-172 ^{1,2}	1.2	6
17	Tau mass measurement at KEDR. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2009 , 189, 21-23		10
16	Photomultiplier tubes with three MCPs. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 598, 160-162	1.2	10
15	Influence of water on optical parameters of aerogel. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009 , 598, 166-168 ^{1,2}	1.2	11
14	Focusing aerogel RICH optimization. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008 , 595, 100-103	1.2	15
13	Tau mass measurement at KEDR. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2008 , 181-182, 311-313		2
12	Results on μ onium, μ onium from KEDR. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2008 , 181-182, 353-357		4
11	Measurement of the μ onium mass at the KEDR detector. <i>JETP Letters</i> , 2007 , 85, 347-352	1.2	38
10	New precise determination of the μ onium mass at KEDR detector. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2007 , 169, 125-131		10
9	Investigation and development of microchannel plate phototubes. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 572, 404-407	1.2	22
8	Results from R&D of Cherenkov detectors at Novosibirsk. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2007 , 581, 410-414	1.2	6
7	Development of aerogel Cherenkov counters at Novosibirsk. <i>Radiation Physics and Chemistry</i> , 2006 , 75, 862-867	2.5	1
6	R&D of microchannel plate phototubes. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006 , 567, 17-20	1.2	28
5	Development of aerogel Cherenkov detectors at Novosibirsk. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 553, 125-129	1.2	15
4	Focusing aerogel RICH (FARICH). <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005 , 553, 70-75	1.2	28

3	The status of the KEDR ASHIPH system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2004 , 518, 597-601	1.2	12
2	Test of aerogel counters for the KEDR detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 478, 353-356 ^{1,2}	1.2	12
1	ASHIPH counters for the KEDR detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002 , 494, 424-429	1.2	27