

Vladimir Korenkov

List of Publications by Year in descending order

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Version: 2024-02-01

187
papers

13,836
citations

76326

40
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20358

116
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189
docs citations

189
times ranked

9963
citing authors

#	ARTICLE	IF	CITATIONS
1	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
2	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
3	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV} ext {V}. European Physical Journal C, 2022, 82, 153.	3.9	14
4	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	13
5	Search for long-lived particles decaying into muon pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV collected with a dedicated high-rate data stream. Journal of High Energy Physics, 2022, 2022, .	4.7	5
6	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	12
7	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
8	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
9	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
10	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
11	Measurement of the inclusive $\overline{\text{t}}\text{t}$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
12	Search for heavy resonances decaying to a pair of Lorentz-boosted Higgs bosons in final states with leptons and a bottom quark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	4.7	2
13	Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	4.7	4
14	Observation of $B^0 \rightarrow \text{superscript}(2S)K^0_{\text{charm}} \text{uppi}^+ \text{uppi}^-$ and $B^0_{\text{charm}} \rightarrow \text{superscript}(2S)K^0_{\text{charm}} \text{S}$ decays. European Physical Journal C, 2022, 82, .	3.9	1
15	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13$, ext {TeV} ext {V}. European Physical Journal C, 2021, 81, 378.	3.9	40
16	Search for a heavy vector resonance decaying to a Z_{charm} boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV} ext {V}. European Physical Journal C, 2021, 81, 688.	3.9	9
17	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV}. European Physical Journal C, 2021, 81, 723.	3.9	19
18	Measurements of angular distance and momentum ratio distributions in three-jet and $\text{ext}{Z}$ + two-jet final states in $\text{ext}{p}\text{ext}{p}$ collisions. European Physical Journal C, 2021, 81, 852.	3.9	2

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19	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{Te\} \text{ext } \{V\}$ TeV. European Physical Journal C, 2021, 81, 970.	3.9	18
20	Search for electroweak production of a vector-like T quark using fully hadronic final states. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
21	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.	4.7	14
22	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.	4.7	37
23	JINR Network Infrastructure for Megascience Projects. , 2020, , .		0
24	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.	4.7	20
25	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.	4.7	2
26	Search for new neutral Higgs bosons through the $\text{H} \rightarrow \text{Z} \text{A} \text{B} \text{B}$ process in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	27
27	Search for direct pair production of supersymmetric partners to the $\tau_{1,2}$ lepton in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{TeV\}$ TeV. European Physical Journal C, 2020, 80, 189.	3.9	22
28	Evidence for W production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{TeV\}$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	10
29	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.	4.7	14
30	Integration of the JINR Hybrid Computing Resources with the DIRAC Interware for Data Intensive Applications. Communications in Computer and Information Science, 2020, , 31-46.	0.5	1
31	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.	4.7	26
32	Quantum Software Engineering: Quantum Gate-Based Computational Intelligence Supremacy. Communications in Computer and Information Science, 2020, , 110-121.	0.5	1
33	Measurement of exclusive $\rho_{0} \text{ photoproduction}$ in ultraperipheral pPb collisions at $\sqrt{s_{NN}} = 5.02, \text{ext } \{TeV\} \text{ext } \{V\}$ TeV. European Physical Journal C, 2019, 79, 702.	3.9	33
34	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in pp collisions at $\sqrt{s} = 13, \text{ext } \{TeV\} \text{ext } \{V\}$ TeV. European Physical Journal C, 2019, 79, 773.	3.9	8
35	Study of the underlying event in top quark pair production in pp collisions at 13 TeV . European Physical Journal C, 2019, 79, 123.	3.9	11
36	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{TeV\}$ TeV. European Physical Journal C, 2019, 79, 20.	3.9	18

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37	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
38	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at $\sqrt{s}=13$, ext {TeV}. European Physical Journal C, 2019, 79, 893.	3.9	12
39	Search for supersymmetry using Higgs boson to diphoton decays at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	4
40	Search for anomalous triple gauge couplings in WW and WZ production in lepton + jet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	15
41	Measurement of quarkonium production cross sections in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 251-272.	4.7	17
42	Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 287.	3.9	16
43	Measurement of the inclusive $\sigma(\text{lepton})$ cross section in pp collisions at $\sqrt{s}=5.02$ TeV using final states with at least one charged lepton. Journal of High Energy Physics, 2018, 2018, 1.	4.7	5
44	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
45	Measurement of the polarization and angular parameters in $W \rightarrow \ell \bar{\nu}_\ell$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 251-272.	4.7	15
46	Measurement of the top quark mass with lepton+jets final states using p_T collisions at $\sqrt{s}=13$, ext {TeV}. European Physical Journal C, 2018, 78, 891.	3.9	34
47	JINR Tier 1 Center Status and Plans. , 2018, , .		0
48	The JINR Distributed Computing Environment. , 2018, , .		1
49	Measurement of the production cross section for single top quarks in association with W bosons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
50	Search for supersymmetry in events with a \tilde{l} , lepton pair and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	21
51	Measurement of differential cross sections for Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV} $s = 13$ TeV. European Physical Journal C, 2018, 78, 965.	3.9	39
52	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at $\sqrt{s}=13$, ext {TeV} $s = 13$ TeV. European Physical Journal C, 2018, 78, 697.	3.9	17
53	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at $\sqrt{s}=13$ -hbox {TeV} $s = 13$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	9
54	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13

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55	Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV. Journal of Instrumentation, 2018, 13, P05011-P05011.	1.2	241
56	Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	35
57	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in pp collisions at 8 TeV. European Physical Journal C, 2018, 78, 701.	3.9	58
58	Measurement of prompt and nonprompt charmonium suppression in PbPb collisions at 5.02 TeV. European Physical Journal C, 2018, 78, 509.	3.9	83
59	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 140.	3.9	44
60	Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 121, 062002.	7.8	22
61	Measurement of the $\text{t}\bar{\text{t}}$ production cross section using events in the $\mu\bar{\nu}_\tau$ final state in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 172.	7.8	47
62	Measurement of the $\text{t}\bar{\text{t}}$ production cross section using events in the $\mu\bar{\nu}_\tau$ final state in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 172.	3.9	40
63	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s}=8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	54
64	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 92.	3.9	16
65	Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 7$ and 8 TeV and search for anomalous triple gauge couplings at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 236.	3.9	37
66	Measurement of the cross section for electroweak production of $Z\gamma$ in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 380-402.	4.1	34
67	Measurement of the cross section for electroweak production of $Z\gamma$ in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 380-402.	2.9	59
68	Measurement of the mass difference between top quark and antiquark in pp collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 50-71.	4.1	9
69	Measurement of differential cross sections for top quark pair production using the $\mu\bar{\nu}_\tau$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2017, 95, .	4.7	50
70	Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	35
71	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
72	Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2017, 95, .	4.7	12

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73	Measurement of the differential inclusive B+ hadron cross sections in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 435-456.	4.1	24
74	Measurement of electroweak-induced production of $W\ell^3$ with two jets in pp collisions at $\sqrt{s}=8$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
75	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
76	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 751.	3.9	30
77	Hybrid Distributed Computing Service Based on the DIRAC Interware. Communications in Computer and Information Science, 2017, , 105-118.	0.5	4
78	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	18
79	The JINR Tier1 Site Simulation for Research and Development Purposes. EPJ Web of Conferences, 2016, 108, 02033.	0.3	0
80	Search for long-lived charged particles in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2016, 94, .	4.7	73
81	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $e\mu$ pair in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 317.	3.9	16
82	Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2016, 94, .	4.7	47
83	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
84	Studies of inclusive four-jet production with two b-tagged jets in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2016, 94, .	4.7	5
85	Optimization of Distributed Data Processing System for NICA BM@N Experiment by Using Simulation. Procedia Computer Science, 2016, 101, 333-340.	2.0	0
86	Implementing, Evaluating and Extending the Model of LIT Cloud Infrastructure at JINR. Procedia Computer Science, 2016, 101, 351-358.	2.0	0
87	Measurement of the integrated and differential $t\bar{t}$ production cross sections for high-pT top quarks in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2016, 94, .	4.7	24
88	Optimization of over-provisioned clouds. Physics of Particles and Nuclei Letters, 2016, 13, 609-612.	0.4	2
89	NICA project management information system. Physics of Particles and Nuclei Letters, 2016, 13, 618-620.	0.4	2
90	Measurements of charge asymmetry using dilepton final states in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2016, 94, .	4.1	24

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109	Measurements of the $Z Z$ production cross sections in the $2u$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. European Physical Journal C, 2015, 75, 511.	3.9	32
110	The development of distributed computing technologies and BigData in LIT-JINR. , 2015, .		1
111	Measurement of the $Z Z$ production cross section and constraints on anomalous triple gauge couplings in four-lepton final states at proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 343, 383-402.	4.1	52
112	Measurement of the production cross section ratio $\sigma(\text{pp} \rightarrow Z Z) / \sigma(\text{pp} \rightarrow Z W)$ in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 343, 383-402.	4.1	57
113	Measurements of jet multiplicity and differential production cross sections of $Z Z$ events in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.1	16
114	Study of Z production in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV in the dimuon and dielectron decay channels. Journal of High Energy Physics, 2015, 2015, 1.	4.7	46
115	Synthesis of the simulation and monitoring processes for the development of big data storage and processing facilities in physical experiments. Computer Research and Modeling, 2015, 7, 691-698.	7.8	60
116	Measurement of Prompt J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	7.8	47
117	Measurement of $Z Z$ production in Pb-Pb and pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review D, 2014, 90, .	4.7	15
118	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3060.	3.9	43
119	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3129.	3.9	65
120	Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	61
121	Search for anomalous production of events with three or more leptons in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2014, 90, .	2.9	113
122	Measurement of $Z Z$ production in Pb-Pb and pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review D, 2014, 90, .	4.7	70
123	Search for anomalous quartic gauge couplings in $Z Z$ production and constraints on anomalous quartic gauge couplings in $Z Z$ production and constraints on anomalous quartic gauge couplings in $Z Z$ production.	7.8	94
124	Search for anomalous quartic gauge couplings in $Z Z$ production and constraints on anomalous quartic gauge couplings in $Z Z$ production.	4.7	41
125	Search for anomalous quartic gauge couplings in $Z Z$ production and constraints on anomalous quartic gauge couplings in $Z Z$ production.		41
126	Search for anomalous quartic gauge couplings in $Z Z$ production and constraints on anomalous quartic gauge couplings in $Z Z$ production.		41

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127	Measurement of the ratio of inclusive jet cross sections using the anti- k algorithm with radius parameters $R < 0.5$ and	4.7	56
128	CMS Collaboration. Nuclear Physics A, 2014, 932, 595-620.	1.5	7
129	CMS Collaboration. Nuclear Physics A, 2014, 931, 1241-1265.	1.5	1
130	Study of hadronic event-shape variables in multijet final states in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	3
131	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.	4.1	20
132	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s} = 8$ TeV in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.	3.9	23
133	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. European Physical Journal C, 2014, 74, 2980.	3.9	171
134	Measurement of jet multiplicity distributions in $t\bar{t}$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3014.	3.9	16
135	Measurements of the $t\bar{t}$ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	20
136	Search for $W\hat{e}^2 \hat{e}^+ t\bar{b}$ decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	26
137	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	39
138	LHC Grid Computing in Russia: present and future. Journal of Physics: Conference Series, 2014, 513, 062041.	0.4	2
139	Search for microscopic black holes in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	44
140	JINR (Dubna) and Prague Tier2 sites: Common experience in the WLCG grid infrastructure. Physics of Particles and Nuclei Letters, 2013, 10, 288-294.	0.4	1
141	CMS remote center at JINR. Physics of Particles and Nuclei Letters, 2013, 10, 81-84.	0.4	2
142	Search for the Standard Model Higgs Boson in the Decay Channel $H \rightarrow Z\gamma$ at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	7.8	97
143	VM-based infrastructure for simulating different cluster and storage solutions used on ATLAS Tier-3 sites. Journal of Physics: Conference Series, 2012, 396, 042036.	0.4	2
144	Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 30-61.	4.1	6,177

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145	A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider. <i>Science</i> , 2012, 338, 1569-1575. Search for large extra dimensions in dimuon and dielectron events in pp collisions at $\sqrt{s}=7$ and $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 017. Search for large extra dimensions in dimuon and dielectron events in pp collisions at $\sqrt{s}=7$ and $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 017.	12.6	85
146	Performance and operation of the CMS electromagnetic calorimeter. <i>Journal of Instrumentation</i> , 2010, 5, T03010-T03010.	4.1	17
147	Performance and operation of the CMS electromagnetic calorimeter. <i>Journal of Instrumentation</i> , 2010, 5, T03010-T03010.	1.2	59
148	Time reconstruction and performance of the CMS electromagnetic calorimeter. <i>Journal of Instrumentation</i> , 2010, 5, T03011-T03011.	1.2	34
149	Performance of CMS hadron calorimeter timing and synchronization using test beam, cosmic ray, and LHC beam data. <i>Journal of Instrumentation</i> , 2010, 5, T03013-T03013.	1.2	20
150	Performance of the CMS drift tube chambers with cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03015-T03015.	1.2	24
151	Calibration of the CMS drift tube chambers and measurement of the drift velocity with cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03016-T03016.	1.2	17
152	Performance study of the CMS barrel resistive plate chambers with cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03017-T03017.	1.2	25
153	Performance of the CMS cathode strip chambers with cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03018-T03018.	1.2	20
154	Aligning the CMS muon chambers with the muon alignment system during an extended cosmic ray run. <i>Journal of Instrumentation</i> , 2010, 5, T03019-T03019.	1.2	19
155	Measurement of the muon stopping power in lead tungstate. <i>Journal of Instrumentation</i> , 2010, 5, P03007-P03007.	1.2	25
156	Performance of the CMS Level-1 trigger during commissioning with cosmic ray muons and LHC beams. <i>Journal of Instrumentation</i> , 2010, 5, T03002-T03002.	1.2	24
157	Performance of the CMS drift-tube chamber local trigger with cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03003-T03003.	1.2	19
158	Commissioning and performance of the CMS silicon strip tracker with cosmic ray muons. <i>Journal of Instrumentation</i> , 2010, 5, T03008-T03008.	1.2	25
159	Alignment of the CMS silicon tracker during commissioning with cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03009-T03009.	1.2	59
160	Commissioning of the CMS experiment and the cosmic run at four tesla. <i>Journal of Instrumentation</i> , 2010, 5, T03001-T03001.	1.2	37
161	Fine synchronization of the CMS muon drift-tube local trigger using cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03004-T03004.	1.2	18
162	Commissioning of the CMS High-Level Trigger with cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03005-T03005.	1.2	5

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163	Performance of the CMS hadron calorimeter with cosmic ray muons and LHC beam data. Journal of Instrumentation, 2010, 5, T03012-T03012.	1.2	36
164	Alignment of the CMS muon system with cosmic-ray and beam-halo muons. Journal of Instrumentation, 2010, 5, T03020-T03020.	1.2	23
165	Precise mapping of the magnetic field in the CMS barrel yoke using cosmic rays. Journal of Instrumentation, 2010, 5, T03021-T03021.	1.2	36
166	Performance of CMS muon reconstruction in cosmic-ray events. Journal of Instrumentation, 2010, 5, T03022-T03022.	1.2	52
167	CMS data processing workflows during an extended cosmic ray run. Journal of Instrumentation, 2010, 5, T03006-T03006.	1.2	19
168	Commissioning and performance of the CMS pixel tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03007-T03007.	1.2	35
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