

Jordan Nash

List of Publications by Year in descending order

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Version: 2024-02-01

519
papers

22,281
citations

11651

70
h-index

20358

116
g-index

524
all docs

524
docs citations

524
times ranked

9867
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 $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 153.	3.9	14
4	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	1
5	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 290.	3.9	18
6	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
7	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, 1.	4.7	5
8	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
9	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
10	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
11	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
12	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
13	Measurement of the inclusive $\overline{t}t$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
14	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, 1.	4.7	2
15	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, 1.	4.7	4
16	Observation of $B^0 \rightarrow \mu^+ \mu^- (2S) K^0_{\text{S}}$ and $B^0_{\text{S}} \rightarrow \mu^+ \mu^- (2S) K^0_{\text{S}}$ decays. European Physical Journal C, 2022, 82, 1.	3.9	1
17	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 13.	3.9	33
18	Search for top squark pair production using dilepton final states in pp collision data collected at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 3.	3.9	33

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19	Measurements of $\sigma(\mathrm{p}\mathrm{p} \rightarrow \mathrm{Z}\mathrm{Z})$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 200.	3.9	24
20	Development and validation of HERWIG ⁷ tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	3.9	12
21	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 378.	3.9	40
22	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton–proton collisions at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 488.	3.9	35
23	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1.	4.7	27
24	MUSIC: a model-unspecific search for new physics in proton–proton collisions at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 629.	3.9	18
25	Radiation Tolerance of Online Trigger System for COMET Phase-I. IEEE Transactions on Nuclear Science, 2021, 68, 2020-2027.	2.0	0
26	Search for a heavy vector resonance decaying to a $\mathrm{Z}\mathrm{Z} \rightarrow \mathrm{Z}\mathrm{Z} \rightarrow \mathrm{Z}\mathrm{Z}$ boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 688.	3.9	9
27	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton–proton collisions at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 723.	3.9	19
28	Measurements of angular distance and momentum ratio distributions in three-jet and $\mathrm{Z} + \text{two-jet}$ final states in $\mathrm{p}\mathrm{p}$ collisions. European Physical Journal C, 2021, 81, 852.	3.9	2
29	Precision luminosity measurement in proton–proton collisions at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$ in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	3.9	123
30	Combined searches for the production of supersymmetric top quark partners in proton–proton collisions at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 970.	3.9	18
31	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. Computing and Software for Big Science, 2020, 4, 10.	2.9	21
32	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of Instrumentation, 2020, 15, P02027-P02027.	1.2	27
33	COMET Phase-I technical design report. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	66
34	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13 \text{ TeV}$. Journal of Instrumentation, 2020, 15, P05002-P05002.	1.2	3
35	Study of central exclusive "Equation missing" \rightarrow production in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV . European Physical Journal C, 2020, 80, 718.	3.9	7
36	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 $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2020, 80, 752.	3.9	23

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37	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	1.2	84
38	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.	4.7	21
39	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
40	Search for direct pair production of supersymmetric partners to the τ lepton in proton-proton collisions at $\sqrt{s}=13$, ext {TeV}. European Physical Journal C, 2020, 80, 189.	3.9	22
41	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.	3.9	11
42	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.	3.9	10
43	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 75.	3.9	78
44	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.	3.9	70
45	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	3.9	198
46	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
47	A multi-dimensional search for new heavy resonances decaying to boosted W , WZ , or ZZ boson pairs in the dijet final state at 13 TeV. European Physical Journal C, 2020, 80, 237.	3.9	31
48	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8$, ext {TeV} with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.	3.9	5
49	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.	3.9	22
50	Measurement of $t\bar{t}$ normalised multi-differential cross sections in pp collisions at $\sqrt{s}=13$, ext {TeV}, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. European Physical Journal C, 2020, 80, 1.	3.9	33
51	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.	4.7	17
52	Measurement of exclusive ρ^0 photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{NN}} = 5.02$, ext {TeV}. European Physical Journal C, 2019, 79, 702.	3.9	33
53	Measurement of exclusive Υ photoproduction from protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$, ext {TeV}. European Physical Journal C, 2019, 79, 277.	3.9	35
54	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s}=13$, ext {TeV}. European Physical Journal C, 2019, 79, 564.	3.9	50

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55	Measurement of the top quark mass in the all-jets final state at $\sqrt{s}=13,\text{ext}\{\text{TeV}\}$ $s = 13\text{ TeV}$ and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.	3.9	40
56	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in $\sqrt{s}=13,\text{ext}\{\text{TeV}\}$ collisions at $\sqrt{s}=13,\text{ext}\{\text{TeV}\}$. European Physical Journal C, 2019, 79, 773.	3.9	8
57	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s}=13,\text{ext}\{\text{TeV}\}$ $s = 13\text{ TeV}$. European Physical Journal C, 2019, 79, 305.	3.9	4
58	Search for the pair production of light top squarks in the e^+e^- final state in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
59	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s}=13,\text{ext}\{\text{TeV}\}$. European Physical Journal C, 2019, 79, 421.	3.9	355
60	Search for supersymmetry in events with a photon, jets, \mathcal{B} -jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13,\text{ext}\{\text{TeV}\}$. European Physical Journal C, 2019, 79, 444.	3.9	11
61	Measurements of the $pp \rightarrow WZ$ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at $\sqrt{s}=13\text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
62	Measurement of the $t\bar{t}$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. European Physical Journal C, 2019, 79, 368.	3.9	68
63	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s}=13,\text{ext}\{\text{TeV}\}$. European Physical Journal C, 2019, 79, 1.	3.9	12
64	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s}=13,\text{ext}\{\text{TeV}\}$ $s = 13\text{ TeV}$. European Physical Journal C, 2019, 79, 280.	3.9	29
65	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s}=13,\text{ext}\{\text{TeV}\}$ $s = 13\text{ TeV}$. European Physical Journal C, 2019, 79, 364.	3.9	48
66	Study of the underlying event in top quark pair production in pp collisions at $\sqrt{s}=13,\text{ext}\{\text{TeV}\}$ $s = 13\text{ TeV}$. European Physical Journal C, 2019, 79, 123.	3.9	11
67	Search for rare decays of Z and Higgs bosons to J/ψ and a photon in proton-proton collisions at $\sqrt{s}=13,\text{ext}\{\text{TeV}\}$ $s = 13\text{ TeV}$. European Physical Journal C, 2019, 79, 94.	3.9	20
68	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV . Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
69	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $\sqrt{s}=13,\text{ext}\{\text{TeV}\}$ $s = 13\text{ TeV}$. European Physical Journal C, 2019, 79, 20.	3.9	18
70	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in pp collisions at $\sqrt{s}=8,\text{ext}\{\text{TeV}\}$. European Physical Journal C, 2019, 79, 969.	3.9	6
71	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
72	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at $\sqrt{s}=13,\text{ext}\{\text{TeV}\}$. European Physical Journal C, 2019, 79, 893.	3.9	12

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73	Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2019, 79, 886.	3.9	16
74	Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
75	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s}=7 \text{ TeV}$. European Physical Journal C, 2018, 78, 242.	3.9	10
76	Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b}\ell\ell$ final state in proton-proton collisions at $s = 13 \sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	36
77	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2018, 78, 291.	3.9	27
78	Measurements of the $\sigma(\text{pp} \rightarrow \text{Z} \text{Z})$ production cross section and the $\sigma(\text{Z} \rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at. European Physical Journal C, 2018, 78, 165.	3.9	52
79	Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2018, 78, 287.	3.9	16
80	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s}=8 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	0
81	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at $s = 13 \sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6
82	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	63
83	Measurement of differential cross sections in the kinematic angular variable $\tilde{\chi}^*$ for inclusive Z boson production in pp collisions at $\sqrt{s}=8 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
84	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
85	Search for ZZ resonances in the $2\ell, 2\ell\ell$ final state in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
86	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. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9
87	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $\sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
88	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
89	Measurement of the top quark mass with lepton+jets final states using $\text{pp} \rightarrow \text{t} \bar{\text{t}} \text{Z} \rightarrow \text{b} \bar{\text{b}} \ell \ell$ collisions at $\sqrt{s}=13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2018, 78, 891.	3.9	34
90	Search for $Z\ell^3$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17

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109	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
110	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	62
111	Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	86
112	Measurements of the $(p \rightarrow p) \rightarrow Z \rightarrow Z$ production cross section and the $(Z \rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at $(\sqrt{s} = 13, \text{ext } \{\text{TeV}\})$. , 2018, 78, 1.		3
113	Measurements of the $\mathcal{L}(\overline{t}t) \rightarrow \ell^+\ell^-$ production cross section in lepton+jets final states in pp collisions at 8 TeV and ratio of 8 to 7 TeV cross sections. European Physical Journal C, 2017, 77, 15.	3.9	34
114	Measurement of the $\mathcal{L}(\overline{t}t) \rightarrow \ell^+\ell^-$ production cross section using events in the $e^+e^- \rightarrow \ell^+\ell^-$ final state in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 172.	3.9	40
115	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $s = 8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	54
116	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
117	Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 7$ TeV and search for anomalous triple gauge couplings at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 236.	3.9	37
118	Measurement of prompt and nonprompt J/ψ production in $p \rightarrow p$ and $p \rightarrow Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	3.9	53
119	A search for new phenomena in pp collisions at $\sqrt{s} = 13$ TeV in final states with missing transverse momentum and at least one jet using the α_{T} variable. European Physical Journal C, 2017, 77, 294.	3.9	29
120	Search for new physics in the monophoton final state in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
121	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.	3.9	52
122	Measurement of the jet mass in highly boosted $\overline{t}t$ events from pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 467.	3.9	23
123	Charged-particle nuclear modification factors in PbPb and pPb collisions at $s_{NN} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	103
124	Search for associated production of dark matter with a Higgs boson decaying to $b \overline{b}$ or $\tau^+\tau^-$ at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
125	Measurement of the semileptonic $\overline{t}t \rightarrow \ell^+\ell^- + \tau^+\tau^-$ production cross section in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
126	Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	3.9	82

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127	Searches for pair production of third-generation squarks in $\sqrt{s}=13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	3.9	32
128	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 354.	3.9	23
129	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 845.	3.9	38
130	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
131	Search for top squark pair production in pp collisions at $\sqrt{s}=13$ TeV using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31
132	Measurement of the $t\bar{t}$ production cross section using events with one lepton and at least one jet in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
133	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 578.	3.9	57
134	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	29
135	Search for new phenomena with multiple charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	2
136	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 636.	3.9	38
137	Search for high-mass $Z\bar{\chi}^0$ resonances in $e^+e^- \rightarrow \bar{\chi}^0\chi^0$ and $\bar{\chi}^0\chi^0$ final states in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	7
138	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s}=8$ TeV and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.	3.9	23
139	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	101
140	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
141	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $\sqrt{s}=8$ TeV using $H \rightarrow WW$ decays. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
142	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
143	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2016, 76, 451.	3.9	55
144	Measurement of the W^+W^- cross section in pp collisions at $\sqrt{s}=8$ TeV and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	3.9	74

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145	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $e\mu e^{1/4}$ pair in proton-proton collisions at $\sqrt{s}=8\text{--}13\text{ TeV}$. $s = 8\text{ TeV}$. European Physical Journal C, 2016, 76, 317.	3.9	16
146	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $s = 8\sqrt{s}=8\text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	7
147	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 8\text{ TeV}$. $s = 8\text{ TeV}$. European Physical Journal C, 2016, 76, 325.	3.9	25
148	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$. $s = 13\text{ TeV}$. European Physical Journal C, 2016, 76, 439.	3.9	64
149	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s}=8\text{ TeV}$. $s = 8\text{ TeV}$. European Physical Journal C, 2016, 76, 536.	3.9	16
150	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s_{NN}}=5.02\text{ TeV}$. s_{NN} . European Physical Journal C, 2016, 76, 372.	3.9	29
151	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $s = 7\sqrt{s}=7\text{ TeV}$ and 8 TeV . Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
152	Measurement of the $t\bar{t}\gamma$ production cross section in the $e\bar{e}\gamma$ channel in proton-proton collisions at $s = 7\sqrt{s}=7\text{ TeV}$ and 8 TeV . Journal of High Energy Physics, 2016, 2016, 1.	4.7	41
153	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 8\text{ TeV}$. $s = 8\text{ TeV}$. European Physical Journal C, 2016, 76, 460.	3.9	18
154	Measurement of the mass of the top quark in decays with a J/ψ meson in pp collisions at 8 TeV . Journal of High Energy Physics, 2016, 2016, 1.	4.7	6
155	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76\text{ TeV}$. $s = 2.76\text{ TeV}$. European Physical Journal C, 2016, 76, 1.	3.9	26
156	Measurement of $t\bar{t}\gamma$ production with additional jet activity, including $b\bar{b}$ quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8\text{ TeV}$. $s = 8\text{ TeV}$. European Physical Journal C, 2016, 76, 379.	3.9	34
157	Measurement of the differential cross section and charge asymmetry for inclusive $p\bar{p} \rightarrow W^{\pm} + X$ production at $\sqrt{s} = 8\text{ TeV}$. $s = 8\text{ TeV}$. European Physical Journal C, 2016, 76, 469.	3.9	83
158	Measurement of the $t\bar{t}\gamma$ production cross section in the all-jets final state in pp collisions at $\sqrt{s}=8\text{ TeV}$. $s = 8\text{ TeV}$. European Physical Journal C, 2016, 76, 128.	3.9	41
159	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	3.9	499
160	Search for massive WH resonances decaying into the $u\bar{b}$ final state at $\sqrt{s}=8\text{ TeV}$. $s = 8\text{ TeV}$. European Physical Journal C, 2016, 76, 237.	3.9	30
161	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tilde{l}, \tilde{\nu}$, leptons in pp collisions at $s = 8\sqrt{s}=8\text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
162	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s}=8\text{ TeV}$. $s = 8\text{ TeV}$. European Physical Journal C, 2016, 76, 13.	3.9	62

#	ARTICLE	IF	CITATIONS
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164	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	12
165	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. Journal of High Energy Physics, 2015, 2015, 1.	4.7	92
166	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 212.	3.9	541
167	Measurement of the $Z\bar{\nu}\nu$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. Journal of High Energy Physics, 2015, 2015, 1.	4.7	11
168	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. European Physical Journal C, 2015, 75, 186.	3.9	68
169	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 542.	3.9	191
170	Measurements of the $Z\bar{\nu}\nu$ production cross sections in the $2\ell 2\bar{\nu}\nu$ channel in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ and 8 TeV . European Physical Journal C, 2015, 75, 511.	3.9	32
171	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251.	3.9	73
172	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 66.	3.9	31
173	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 147.	3.9	88
174	Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 151.	3.9	44
175	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $s = 2.76 \sqrt{s} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	10
176	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 235.	3.9	320
177	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2015, 75, 288.	3.9	54
178	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$. European Physical Journal C, 2015, 75, 237.	3.9	58
179	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 325.	3.9	43
180	Search for heavy neutrinos and W bosons with right-handed couplings in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2014, 74, 3149.	3.9	179

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182	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
183	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	81
184	Measurement of pseudorapidity distributions of charged particles in proton–proton collisions at $\sqrt{s} = 8$ TeV by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.	3.9	49
185	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV. European Physical Journal C, 2014, 74, 3036.	3.9	241
186	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
187	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	3.9	342
188	Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	4.7	51
189	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	43
190	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. Journal of High Energy Physics, 2014, 2014, 1.	4.7	169
191	Measurement of the $\sigma_{\text{production}}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	52
192	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	77
193	Measurement of associated W + charm production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	55
194	Search for new physics in events with same-sign dileptons and jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	48
195	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	75
196	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
197	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
198	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

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200	Event activity dependence of Υ (nS) production in $\sqrt{s_{NN}} = 5.02$ TeV pPb and $\sqrt{s} = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	56
201	Measurements of the $\overline{\mathcal{M}}^{\text{ch}}$ 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
202	Evidence for the 125 GeV Higgs boson decaying to a pair of \tilde{l} , leptons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	123
203	Search for $W \rightarrow tb$ 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
204	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	31
205	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	100
206	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	70
207	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
208	Search for pair production of excited top quarks in the lepton + jets final state. Journal of High Energy Physics, 2014, 2014, 1.	4.7	4
209	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85
210	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	69
211	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	3.9	35
212	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	3.9	85
213	Probing color coherence effects in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2901.	3.9	17
214	Search for the associated production of the Higgs boson with a top-quark pair. , 2014, 2014, 1.		6
215	Search for microscopic black holes in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	44
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218	Study of exclusive two-photon production of $W+W\hat{a}$ in pp collisions at $\sqrt{s}=7$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	75
219	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	320
220	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
221	Studies of jet mass in dijet and $W/Z + \text{jet}$ events. Journal of High Energy Physics, 2013, 2013, 1.	4.7	58
222	Measurement of the $\overline{\text{t}}\text{t}$ production cross section in the all-jet final state in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	16
223	Measurement of the $X(3872)$ production cross section via decays to $J/\psi + \bar{\psi}\psi$ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
224	Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s}=0.9, 2.76, \text{and } 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	50
225	Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	15
226	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	33
227	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
228	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	20
229	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in events with a single lepton, jets, and missing transverse momentum. European Physical Journal C, 2013, 73, 2404.	3.9	20
230	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. European Physical Journal C, 2013, 73, 2469.	3.9	68
231	Measurement of the production cross section for $Z\gamma \rightarrow \overline{u}u$ in pp collisions at $\sqrt{s}=7$ TeV and limits on $ZZ\hat{a}$ and $Z\hat{a}^3$ triple gauge boson couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	14
232	Measurement of the W-boson helicity in top-quark decays from $\overline{\text{t}}\text{t}$ production in lepton+jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30
233	Search for supersymmetry in hadronic final states with missing transverse energy using the variables \hat{L}_{\pm} and b-quark multiplicity in pp collisions at $\sqrt{s}=8 \text{ TeV}$. European Physical Journal C, 2013, 73, 2568.	3.9	147
234	Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	16

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254	Measurement of the cross section for production of $\overline{b} X$ decaying to muons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	6
255	Measurement of the $Z/\gamma^* \rightarrow b\text{-jet}$ cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
256	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $\sqrt{s}=7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	31
257	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	68
258	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	117
259	Search for leptonic decays of $W\rightarrow e\mu$ bosons in pp collisions at $\sqrt{s} = \{7\} \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	49
260	Search for stopped long-lived particles produced in pp collisions at $\sqrt{s} = \{\text{ext}\{7\text{TeV}\}\}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	17
261	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	30
262	Measurement of the underlying event activity in pp collisions at $\sqrt{s} = 0.9 \text{ TeV}$ and 7 TeV with the novel jet-area/median approach. Journal of High Energy Physics, 2012, 2012, 1.	4.7	13
263	Search for anomalous $\overline{t} t$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
264	Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s} = \{7\} \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	168
265	Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
266	Search for supersymmetry in hadronic final states using M_{T2} in pp collisions at $\sqrt{s}=7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	95
267	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{\text{NN}}}} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	85
268	Measurement of the $\overline{t} t$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	69
269	Search for exclusive or semi-exclusive γ^3 production and observation of exclusive and semi-exclusive e^+e^- production in pp collisions at $\sqrt{s}=7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	51
270	Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at $\sqrt{s}=7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	7

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271	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	41
272	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	11
273	Search for resonant $\overline{\mathrm{t}}\mathrm{t}$ production in lepton+jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
274	Observation of Z decays to four leptons with the CMS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
275	Measurement of the single-top-quark t-channel cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	83
276	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	14
277	Measurement of the top-quark mass in $\overline{\mathrm{t}}\mathrm{t}$ events with lepton+jets final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	38
278	Measurement of the underlying event in the Drellâ€“Yan process in protonâ€“proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	33
279	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $\sqrt{s} = 0.9, 2.76, \text{ and } 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	154
280	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	129
281	Measurement of the top-quark mass in $\overline{\mathrm{t}}\mathrm{t}$ events with dilepton final states in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	42
282	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in protonâ€“proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	26
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289	Search for a Higgs boson in the decay channel $H \rightarrow ZZ(*) \rightarrow q\bar{q}$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	30
290	Search for microscopic black holes in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
291	Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	16
292	Measurement of the mass difference between top and antitop quarks. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
293	Study of high-p _T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	369
294	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	181
295	Jet production rates in association with W and Z bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
296	Exclusive $\bar{t}t + \bar{t}t$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	56
297	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
298	Prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	135
299	Measurement of the $\tau^+\tau^-$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV using the kinematic properties of events with leptons and jets. European Physical Journal C, 2011, 71, 1.	3.9	37
300	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9$, 2.36, and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	106
301	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	122
302	Search for heavy stable charged particles in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	38
303	Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	23
304	Measurement of $\overline{B}B$ angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
305	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	59
306	Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	30

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307	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	139
308	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.	4.7	22
309	Search for resonances in the dilepton mass distribution in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	39
310	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	26
311	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	4.7	46
312	Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	10
313	Measurement of the $t\bar{t}$ production cross section and the top quark mass in the dilepton channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	53
314	Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	65
315	Search for light resonances decaying into pairs of muons as a signal of new physics. Journal of High Energy Physics, 2011, 2011, 1.	4.7	13
316	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	4.7	29
317	Search for same-sign top-quark pair production at $\sqrt{s} = 7$ TeV and limits on flavour changing neutral currents in the top sector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	40
318	Charged particle transverse momentum spectra in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	56
319	Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	20
320	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	99
321	Search for new physics with jets and missing transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	49
322	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with a single lepton, jets, and missing transverse momentum. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
323	Measurement of the underlying event activity at the LHC with $\sqrt{s} = 7$ TeV and comparison with $\sqrt{s} = 0.9$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	97
324	Measurement of the Drell-Yan cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	36

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325	Measurement of the inclusive W and Z production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. Journal of High Energy Physics, 2011, 2011, 1.	4.7	158
326	Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	25
327	Measurement of energy flow at large pseudorapidities in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. , 2011, 2011, 1.		5
328	First measurement of the underlying event activity at the LHC with $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2010, 70, 555-572.	3.9	50
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511	Studies of jet production rates in e^+e^- annihilation at $E_{cm}=29$ GeV. Zeitschrift für Physik C-Particles and Fields, 1989, 43, 325-330.	1.5	26
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