

# Selcuk Bilmis

## List of Publications by Year in descending order

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Version: 2024-02-01

293  
papers

15,712  
citations

16411

64  
h-index

24915

109  
g-index

307  
all docs

307  
docs citations

307  
times ranked

9323  
citing authors

#	ARTICLE	IF	CITATIONS
1	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 $\sqrt{s}$ TeV. European Physical Journal C, 2015, 75, 212.	1.4	541
2	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	1.4	499
3	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	1.6	497
4	The Belle II Physics Book. Progress of Theoretical and Experimental Physics, 2019, 2019, .	1.8	384
5	Study of high-p <sub>T</sub> charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{\text{NN}}}=2.76\text{--}4.76\text{ TeV}$ . European Physical Journal C, 2012, 72, 1.	1.4	369
6	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	1.4	342
7	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.	1.6	320
8	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.	1.4	320
9	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at $\sqrt{s}=8\text{ TeV}$ . European Physical Journal C, 2014, 74, 3036.	1.4	241
10	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at $\sqrt{s}=0.9$ and 2.36 TeV. Journal of High Energy Physics, 2010, 2010, 1.	1.6	230
11	Suppression of non-prompt $J/\psi$ , prompt $J/\psi$ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{\text{NN}}}=2.76\text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	200
12	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.	1.4	191
13	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{\text{NN}}}=2.76\text{ TeV}$ . European Physical Journal C, 2012, 72, 1.	1.4	181
14	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.	1.4	179
15			

#	ARTICLE	IF	CITATIONS
19	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.	1.6	158
20	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. <a href="http://www.wiley.org/doi/10.1002/PhysRevD.81.014001">http://www.wiley.org/doi/10.1002/PhysRevD.81.014001</a>	1.4	154
21	Measurement of $\sigma(\text{pp} \rightarrow \text{e}^+ \text{e}^- \text{e}^+ \text{e}^-)$ electron scattering cross section with a CsI(Tl) scintillating crystal array at the Kuo-Sheng nuclear power reactor. Physical Review D, 2010, 81, 014001.	1.6	151
22	Search for supersymmetry in hadronic final states with missing transverse energy using the variables $\hat{L}_T$ and b-quark multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2013, 73, 2568.	1.4	147
23	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	139
24	Prompt and non-prompt $J/\psi$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	1.4	135
25	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	129
26	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	125
27	Evidence for the 125 GeV Higgs boson decaying to a pair of $\tau$ , leptons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	123
28	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	1.4	120
29	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	118
30	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	117
31	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	103
32	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.	1.6	100
33	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.	1.6	99
34	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.	1.6	97
35	Constraints on dark photon from neutrino-electron scattering experiments. Physical Review D, 2015, 92, .	1.6	96
36	Search for supersymmetry in hadronic final states using $M_{T2}$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	95

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37	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8, \text{ and } 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	95
38	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.	1.6	92
39	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.	1.4	88
40	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.	1.6	85
41	Study of double parton scattering using W + 2-jet events in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
42	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
43	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$ . European Physical Journal C, 2014, 74, 2847.	1.4	85
44	Measurement of the single-top-quark t-channel cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	83
45	Measurement of the differential cross section and charge asymmetry for inclusive $\text{p} \rightarrow \text{W}^{\pm} + X$ production at $\sqrt{s} = 8 \text{ TeV}$ . European Physical Journal C, 2016, 76, 469.	1.4	83
46	Suppression and azimuthal anisotropy of prompt and nonprompt $\text{J}/\psi$ production in PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$ . European Physical Journal C, 2017, 77, 252.	1.4	82
47	$\text{J}/\psi$ and $\Upsilon(2S)$ production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	81
48	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	81
49	Search for a charged Higgs boson in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	81
50	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	78
51	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$ . Journal of High Energy Physics, 2014, 2014, 1.	1.6	77
52	Study of exclusive two-photon production of $W+W^{\pm}$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	1.6	75
53	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$ . European Physical Journal C, 2014, 74, 1.	1.4	75
54	Measurement of the $W^{+}W^{-}$ cross section in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	1.4	74

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55	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.	1.6	73
56	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.	1.4	73
57	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.	1.6	70
58	Measurement of the $\overline{\text{t}}\text{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	69
59	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.	1.6	69
60	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7, \text{TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	68
61	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.	1.4	68
62	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	68
63	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.	1.4	68
64	Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	65
65	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2013, 73, 2283.	1.4	64
66	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$ . European Physical Journal C, 2016, 76, 439.	1.4	64
67	Measurement of the $W+W\gamma$ cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and limits on anomalous $WW\gamma^3$ and $WWZ$ couplings. European Physical Journal C, 2013, 73, 1.	1.4	62
68	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s}=8, \text{TeV}$ . European Physical Journal C, 2016, 76, 13.	1.4	62
69	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $s = 13 \sqrt{s}=13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	62
70	Measurement of prompt $J/\psi$ pair production in pp collisions at $s = 7 \text{ TeV}$ . Journal of High Energy Physics, 2014, 2014, 1.	1.6	61
71	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and first determination of the strong coupling constant in the TeV range. European Physical Journal C, 2013, 73, 1.	1.4	60
72	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7, \text{TeV}$ . Journal of High Energy Physics, 2011, 2011, 1.	1.6	59

#	ARTICLE	IF	CITATIONS
73	Search for anomalous $t\bar{t}$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	1.6	58
74	Jet production rates in association with W and Z bosons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	58
75	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	1.6	58

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109	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	43
110	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8, \text{ext } \{ \text{TeV} \}$ $s = 8 \text{ TeV}$ . European Physical Journal C, 2015, 75, 325.	1.4	43
111	Measurement of the top-quark mass in $\overline{\text{t}} \text{ events with dilepton final states in pp collisions at } \sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 1.	1.4	42
112	Evidence for exclusive $\hat{t}\hat{t}^* W + W \hat{a}^{\prime}$ production and constraints on anomalous quartic gauge couplings in pp collisions at $s = 7 \sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	42
113	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	41
114	Measurement of the $\overline{\text{t}} \text{ production cross section in the } e\hat{t}^{\prime}$ channel in proton-proton collisions at $s = 7 \sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	41
115	Measurement of the $\overline{\text{t}} \text{ production cross section in the all-jets final state in pp collisions at } \sqrt{s} = 8 \text{ TeV, ext } \{ \text{TeV} \}$ TeV. European Physical Journal C, 2016, 76, 128.	1.4	41
116	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	41
117	Search for same-sign top-quark pair production at $\sqrt{s} = 7 \text{ TeV}$ and limits on flavour changing neutral currents in the top sector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	40
118	Measurement of the $\overline{\text{t}} \text{ production cross section using events in the } e\hat{t}^{\prime}$ final state in pp collisions at $\sqrt{s} = 13, \text{ext } \{ \text{TeV} \}$ $s = 13 \text{ TeV}$ . European Physical Journal C, 2017, 77, 172.	1.4	40
119	Search for resonances in the dilepton mass distribution in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2011, 2011, 1.	1.6	39
120	Inclusive b-jet production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	39
121	Measurement of the $Z\hat{t}\hat{t}^* \text{ b-jet cross section in pp collisions at } \sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	39
122	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.	1.6	39
123	Measurement of the ZZ production cross section and search for anomalous couplings in $2\hat{t}, 2\hat{a}, \hat{a}^2$ final states in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	39
124	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $s = 7 \sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
125	Search for heavy stable charged particles in pp collisions at $\sqrt{s} = 7; \{ \text{TeV} \}$ . Journal of High Energy Physics, 2011, 2011, 1.	1.6	38
126	Measurement of the top-quark mass in $\overline{\text{t}} \text{ events with lepton+jets final states in pp collisions at } \sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	38



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127	Measurement of the $\sigma(\tau^+\tau^-)$ 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.	1.4	37
128	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
129	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.	1.4	37
130	Measurement of the Drell-Yan cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	36
131	Measurement of the top-quark mass in all-jets $\sigma(\tau^+\tau^-)$ events in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 2758.	1.4	35
132	Search for heavy Majorana neutrinos in $e^+e^-$ jets and $e^+e^- \rightarrow \tau^+\tau^-$ jets events in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	35
133	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.	1.6	35
134	Observation of Z decays to four leptons with the CMS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	34
135	Search for microscopic black holes in pp collisions at $\sqrt{s} = \sqrt{7\text{TeV}}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	34
136	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or $\geq 3$ b-quark jets in 7 TeV pp collisions using the variable $\hat{T}$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	34
137	Searches for supersymmetry using the $M_{T2}$ variable in hadronic events produced in pp collisions at 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	34
138	Measurement of $\sigma(\tau^+\tau^-)$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 379.	1.4	34
139	Measurements of the $\sigma(\tau^+\tau^-)$ 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.	1.4	34
140	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	33
141	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.	1.6	33
142	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. European Physical Journal C, 2016, 76, 371.	1.4	33
143	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.	1.6	32
144	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.	1.6	32

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145	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	1.6	32
146	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2013, 73, 2674.	1.4	32
147	Measurements of the $Z Z$ production cross sections in the $2u \rightarrow 2l + \gamma$ channel in proton-proton collisions at $\sqrt{s} = 7$ and $8 \text{ TeV}$ . European Physical Journal C, 2015, 75, 511.	1.4	32
148	Searches for pair production of third-generation squarks in $\sqrt{s} = 13 \text{ TeV}$ pp collisions. European Physical Journal C, 2017, 77, 327.	1.4	32
149	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2014, 2014, 1.	1.6	31
150	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.	1.4	31
151	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	31
152	Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and $7 \text{ TeV}$ . Journal of High Energy Physics, 2011, 2011, 1.	1.6	30
153	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.	1.6	30
154	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^* \rightarrow q\bar{q} + \gamma\gamma$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	30
155	Measurement of the W-boson helicity in top-quark decays from $t \rightarrow Wb$ production in lepton+jets events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	30
156	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
157	Search for massive WH resonances decaying into the $u\bar{b} + \gamma b$ final state at $\sqrt{s} = 8 \text{ TeV}$ . European Physical Journal C, 2016, 76, 237.	1.4	30
158	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ . European Physical Journal C, 2017, 77, 751.	1.4	30
159	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	1.6	29
160	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$ . European Physical Journal C, 2016, 76, 372.	1.4	29
161	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
162	A search for new phenomena in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ in final states with missing transverse momentum and at least one jet using the $\alpha_T$ variable. European Physical Journal C, 2017, 77, 294.	1.4	29

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163	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.	1.6	29
164	Study of Z production in PbPb and pp collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV in the dimuon and dielectron decay channels. Journal of High Energy Physics, 2015, 2015, 1.	1.6	27
165	Search for anomalous single top quark production in association with a photon in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	27
166	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.	1.6	26
167	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.	1.6	26
168	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	26
169	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\ell, 2\ell\gamma$ channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
170	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.	1.6	26
171	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.	1.6	26
172	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	26
173	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2016, 76, 1.	1.4	26
174	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.	1.6	25
175	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 325.	1.4	25
176	Measurement of the $\overline{\mathrm{t}}\mathrm{t}$ production cross section in the $\ell, +\text{jets}$ channel in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	24
177	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
178	Search for third-generation scalar leptoquarks in the $\ell\bar{\nu}$ channel in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
179	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
180	Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	23

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181	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.	1.4	23
182	Observation of top quark pairs produced in association with a vector boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	23
183	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
184	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
185	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.	1.4	23
186	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.	1.4	23
187	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
188	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.	1.6	22
189	Search for physics beyond the standard model in events with $\bar{l}l$ , leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2493.	1.4	22
190	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
191	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying $\bar{l}l$ , leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
192	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	21
193	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.	1.6	20
194	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	20
195	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.	1.4	20
196	Measurements of the $\overline{\text{t}}\text{t}$ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	20
197	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	20
198	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	20

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200	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tilde{l}, \tilde{\nu}_\tau$ leptons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
201	Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	18
202	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.	1.6	18
203	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 460.	1.4	18
204	Search for stopped long-lived particles produced in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	17
205	Measurement of the $\Lambda_{\text{b}}^0$ lifetime in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	17
206	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	17
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208	Measurement of the ratio of the production cross sections times branching fractions of $B_c \rightarrow \tau \nu_\tau$ and $B_{\text{c}} \rightarrow \tau \nu_\tau$ and $B_{\text{c}} \rightarrow \tau \nu_\tau$ . Journal of High Energy Physics, 2015, 1.	1.6	17
209	Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
210	Search for new physics with the $M_{T2}$ variable in all-jets final states produced in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
211	Measurement of electroweak-induced production of $W\tilde{W}^3$ 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.	1.6	17
212	Measurements of jet charge with dijet events in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
213	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.	1.6	16
214	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.	1.6	16
215	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.	1.6	16
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218	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 536.	1.4	16
219	Search for excited leptons in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
220	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
221	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.	1.4	16
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224	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.	1.6	15
225	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
226	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.	1.6	15
227	Measurement of the $t\bar{t}\gamma$ 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.	1.6	15
228	Search for new physics with dijet angular distributions in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
229	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.	1.6	14
230	Measurement of the production cross section for $Z\gamma \rightarrow u\bar{u}\gamma$ in pp collisions at $\sqrt{s}=7$ TeV and limits on $ZZ\gamma$ and $Z\gamma\gamma$ triple gauge boson couplings. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
231	Search for s channel single top quark production in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
232	Search for supersymmetry in pp collisions at $\sqrt{s}=13$ TeV in the single-lepton final state using the sum of masses of large-radius jets. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
233	Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or $\tau\tau$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
234	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.	1.6	14



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254	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $s = 13 \sqrt{s} = 13 \sqrt{s}$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
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256	Scalar unparticle signals at the LHC. Physical Review D, 2017, 95, .	1.6	9
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259	Are the new excited $\hat{c}$ baryons negative parity states?. Modern Physics Letters A, 2020, 35, 1950344.	0.5	8
260	Semileptonic $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \hat{z} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle c \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ baryon decays in the light cone QCD sum rules. Physical Review D, 2021, 104, .	1.6	8
261	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $s = 13 \sqrt{s} = 13 \sqrt{s}$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
262	Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at $\sqrt{s} = 7 \sqrt{s}$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	7
263	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $s = 8 \sqrt{s} = 8 \sqrt{s}$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	7
264	Search for high-mass $Z\hat{1}^3$ resonances in $e+e\hat{1}^3$ and $\hat{1}^3/4 + \hat{1}^3/4 \hat{1}^3$ final states in proton-proton collisions at $s = 8 \sqrt{s} = 8 \sqrt{s}$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	7
265	Properties of excited B states in QCD. Nuclear Physics B, 2019, 947, 114726.	0.9	7
266	Measurement of the cross section for production of $\overline{b} X$ decaying to muons in pp collisions at $\sqrt{s} = 7 \sqrt{s}$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	6
267	Comparison of the $Z/\hat{1}^3 \hat{a}^- + \text{jets}$ to $\hat{1}^3 + \text{jets}$ cross sections in pp collisions at $s = 8 \sqrt{s} = 8 \sqrt{s}$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	6
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291	Multipole moments of heavy vector and axial-vector mesons in QCD. Physical Review D, 2020, 101, .	1.6	1
292	Strong and electromagnetic decays of the radially excited $D_s$ and $B_s$ mesons in light cone QCD sum rules. European Physical Journal C, 2021, 81, 1.	1.4	0
293	Light-cone sum rules for radial excitation of decuplet to octet baryons electromagnetic transition form factors. Modern Physics Letters A, 2021, 36, .	0.5	0