

Pedrame Bargassa

List of Publications by Year in descending order

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Version: 2024-02-01

470
papers

23,917
citations

11651

70
h-index

14759

127
g-index

481
all docs

481
docs citations

481
times ranked

10424
citing authors

#	ARTICLE	IF	CITATIONS
1	The ATLAS Experiment at the CERN Large Hadron Collider. Journal of Instrumentation, 2008, 3, S08003-S08003.	1.2	1,752
2	The upgraded D \tilde{A} detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 565, 463-537.	1.6	549
3	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.	3.9	541
4	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	3.9	499
5	Observation and Properties of the $X(3872)$ Decaying to $J/\psi + \eta$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2004, 93, 162002.	7.8	494
6	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
7	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 421.	3.9	355
8	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	3.9	342
9	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
10	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 235.	3.9	320
11	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
12	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.	4.7	230
13	Measurement of the Forward-Backward Charge Asymmetry in Top-Quark Pair Production. Physical Review Letters, 2008, 100, 142002.	7.8	210
14	Suppression of non-prompt J/ψ , prompt J/ψ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	200
15	Observation of Single Top-Quark Production. Physical Review Letters, 2009, 103, 092001.	7.8	199
16	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
17	Measurement of the Inclusive Jet Cross Section in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 062001.	7.8	191
18	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 542.	3.9	191

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19	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. Measurement of $\langle \cos(\phi_1 - \phi_2) \rangle$ vs $\Delta\phi$ and $\Delta\eta$ for B_s^0 and B^0 mesons. $\langle \cos(\phi_1 - \phi_2) \rangle$ vs $\Delta\phi$ and $\Delta\eta$ for B_s^0 and B^0 mesons. Physical Review Letters, 2008, 101, 241801.	3.9	181
20	Parameters from the Flavor-Tagged Decay $B_s^0 \rightarrow D_s^+ D_s^-$ and $B^0 \rightarrow D^+ D^-$. Physical Review Letters, 2008, 101, 241801.	7.8	173
21	Direct Limits on the B_s^0 Oscillation Frequency. Physical Review Letters, 2006, 97, 021802.	7.8	172

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#	ARTICLE	IF	CITATIONS
37	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	103
38	Measurement of the shape of the boson rapidity distribution for $p\bar{p}$ collisions at $\sqrt{s} = 2.76$ TeV. Physical Review D, 2007, 76, .	4.7	101
39	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
40	Evidence for Production of Single Top Quarks and First Direct Measurement of $ V_{tb} $. Physical Review Letters, 2007, 98, 181802.	7.8	100
41	Search for charged Higgs bosons in top quark decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 682, 278-286.	4.1	99
42	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	99
43	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
44	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.	4.7	95
45	Direct Observation of the Strange Baryon Λ_c^+ . Physical Review Letters, 2007, 99, 052001.	7.8	93
46	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
47	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 147.	3.9	88
48	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
49	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	85
50	A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider. Science, 2012, 338, 1569-1575.	12.6	85
51	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	3.9	85
52	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
53	Observation of the B_c Meson in the Exclusive Decay $B_c \rightarrow J/\psi \gamma$. Physical Review Letters, 2008, 101, 012001.	7.8	83
54	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

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55	Measurement of the differential cross section and charge asymmetry for inclusive $\{p\}\mathrm{p}\rightarrow\mathrm{p}\{W\}^{\pm}+X$ production at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 469.	3.9	83
56	Measurement of prompt and nonprompt charmonium suppression in $\sqrt{s}=5.02$ TeV collisions at $\sqrt{s}=5.02$ TeV. European Physical Journal C, 2018, 78, 509.	3.9	83
57	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
58	Measurement of the isolated photon cross section in $\sqrt{s}=7$ TeV collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	81
59	Searches for Quark Compositeness and Extra Spatial Dimensions. Physical Review Letters, 2009, 103, 191803.	7.8	76
60	J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	81
61	Evidence for production of single top quarks. Physical Review D, 2008, 78, .	4.7	79
62	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 75.	3.9	78
63	An EPR experiment testing the non-separability of the wave function. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 422, 339-348.	4.1	76
64	Measurement of Dijet Azimuthal Decorrelations at Central Rapidities in $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 94, 221801.	7.8	76
65	Study of exclusive two-photon production of $W+W^*$ 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
66	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	75
67	Observation of the Doubly Strange Baryon Ξ_{cc} . Physical Review Letters, 2009, 103, 222002.	7.8	74
68	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
69	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
70	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
71	Combination of cross section measurements and constraints on the mass of the top quark and its decays into charged Higgs bosons. Physical Review D, 2009, 80, .	4.7	72
72	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 $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 3.	3.9	70

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73	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.	4.7	69
74	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
75	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
76	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.	4.7	68
77	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
78	Measurement of the $\overline{\text{t}}\text{t}\bar{\Lambda}$ 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
79	Measurement of the W Boson Mass. Physical Review Letters, 2009, 103, 141801.	7.8	66
80	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.	4.7	65
81	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s}=7, \text{TeV}$. European Physical Journal C, 2014, 74, 3129.	3.9	65
82	Search for Doubly Charged Higgs Boson Pair Production in the Decay $t\bar{t} \rightarrow W^+W^+ \rightarrow \text{pp}$ Collisions at $\sqrt{s}=1.96 \text{TeV}$. Physical Review Letters, 2004, 93, 141801.	7.8	64
83	Measurement of the Electron Charge Asymmetry in W Production. Physical Review Letters, 2008, 101, 211801.	7.8	64
84	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.	3.9	64
85	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.	3.9	64
86	Observation and Properties of the Orbitally Excited B . Physical Review Letters, 2008, 100, 082002.	7.8	63
87	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
88	Measurement of the $W+W\bar{\nu}$ cross section in pp collisions at $\sqrt{s} = 7 \text{TeV}$ and limits on anomalous $WW\bar{\nu}$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	3.9	62
89	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.	3.9	62
90	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13 \text{TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	62

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91	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.	3.9	60
92	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.	4.7	59
93	Measurement of the Polarization of the $\Psi(1S)$ and $\Psi(2S)$ States in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96 \text{ TeV}$. Physical Review Letters, 2008, 101, 182004.	7.8	58
94	Search for associated production of charginos and neutralinos in the trilepton final state using 2.3 fb^{-1} of data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 680, 34-43.	4.1	58
95	Search for anomalous $t\bar{t}$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
96	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.	4.7	58
97	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	4.7	58
98	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
99	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in $p\bar{p}$ collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2018, 78, 701.	3.9	58
100	Properties of L	7.8	57
101	B_1 and B_2^*		

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109	A determination of the CPT violation parameter $Re(\hat{\Gamma})$ from the semileptonic decay of strangeness-tagged neutral kaons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 444, 52-60.	4.1	55
110	Search for Next-to-Minimal Supersymmetric Higgs Bosons in the $h \rightarrow a \rightarrow \tau^+ \tau^-$ Channel. Physical Review Letters, 2009, 103, 061801.	7.8	55
111	Measurement of masses in the $\overline{t}t$ system by kinematic endpoints in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2494.	3.9	55
112	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
113	Measurement of differential cross sections in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2015, 75, 288.	4.1	54
114	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 288.	3.9	54
115	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s} = 8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	54
116	Lifetime Difference and CP-Violating Phase in the B_s System. Physical Review Letters, 2007, 98, 121801.	7.8	53
117	Search for scalar top quarks in the $pp \rightarrow t\bar{t} + \text{jet} + \text{missing transverse energy}$ final state in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.1	53
118	Measurement of the Lifetime of the B_c Meson in the Semileptonic Decay Channel. Physical Review Letters, 2009, 102, 092001.	4.7	53
119	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
120	Measurement of prompt and nonprompt J/ψ production in pp and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	3.9	53
121	Search for Long-Lived Charged Massive Particles with the D0 Detector. Physical Review Letters, 2009, 102, 161802.	7.8	52
122	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
123	Measurements of the $pp \rightarrow Z Z$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s}=7$ TeV. European Physical Journal C, 2018, 78, 165.	3.9	52
124	Search for $W \rightarrow \tau^+ \tau^-$ Boson Resonances Decaying to a Top Quark and a Bottom Quark. Physical Review Letters, 2008, 100, 211803.	7.8	51
125	Search for exclusive or semi-exclusive $\tau^+ \tau^-$ production and observation of exclusive and semi-exclusive e^+e^- production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	51
126	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

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127	Measurement of the production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	50
128	Measurement of Inclusive Differential Cross Sections for $t\bar{t}$ Production in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2005, 94, 232001.	7.8	49
129	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
130	Search for leptonic decays of $W^{\pm 2}$ bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	49
131	Measurement of pseudorapidity distributions of charged particles in proton collisions at $\sqrt{s} = 8$ TeV by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.	3.9	49
132	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 364.	3.9	48
133	Measurement of the top quark mass in the lepton+jets final state with the matrix element method. Physical Review D, 2006, 74, .	4.7	47
134	Experimental Discrimination between Charge $2e/3$ Top Quark and Charge $4e/3$ Exotic Quark Production Scenarios. Physical Review Letters, 2007, 98, 041801.	7.8	47
135	Production and Limits on Anomalous $W^{\pm}W^{\pm}$ Couplings in pp Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 121, 011801.	7.8	47
136	Search for Large Extra Dimensions via Single Photon plus Missing Energy Final States at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 011601.	7.8	47
137	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	47
138	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
139	Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	46
140	Search for third-generation scalar leptoquarks decaying to a top quark and a W^{\pm} , lepton at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 707.	3.9	46
141	Search for Production of Single Top Quarks via $t\bar{t}c$ and $t\bar{t}u$ Couplings. Physical Review Letters, 2007, 99, 191802.	7.8	45
142	Search for heavy bottom-like quarks in 4.9 fb^{-1} of pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	45
143	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 1.96$ TeV using secondary vertex tagging. Physical Review D, 2006, 74, .	4.7	44
144	Search for Pair Production of Doubly Charged Higgs Bosons in the $H^{++}H^{-\bar{t}}\bar{t}/4 + H^{\pm}\bar{t}\bar{t}/4 + H^{\pm}\bar{t}\bar{t}/4$ Final State. Physical Review Letters, 2008, 101, 071803.	7.8	44

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163	Measurement of the $\sigma(\text{pp} \rightarrow t\bar{t})$ production cross section using events in the e^+e^- final state in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 172.	3.9	40
164	Search for new physics in dijet angular distributions using proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter and other models. European Physical Journal C, 2018, 78, 789.	3.9	40
165	Measurement of the top quark mass in the all-jets final state at $\sqrt{s}=13$ TeV and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.	3.9	40
166	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 378.	3.9	40
167	Search for resonances in the lepton plus jets final state in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 789.	4.1	39
168	Measurement of the t-channel single top quark production cross section. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 682, 363-369.	4.1	39
169	Inclusive b-jet production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
170	Measurement of the $Z \rightarrow b\bar{b}$ cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
171	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
172	Measurement of the ZZ production cross section and search for anomalous couplings in $2\gamma, \gamma\gamma$ final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
173	Measurement of differential cross sections for Z boson production in association with jets in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 965.	3.9	39
174	Measurement of the WW production cross section with dilepton final states in pp collisions at $\sqrt{s}=1.96$ TeV and limits on anomalous trilinear gauge couplings. Physical Review Letters, 2009, 103, 191801.	7.8	38
175	Measurement of the top-quark mass in $t\bar{t}$ 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
176	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
177	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
178	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying l, ν_l leptons at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	38
179	Search for squarks and gluinos in events with jets and missing transverse energy in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 636.	4.1	37
180	Search for squarks and gluinos in events with jets and missing transverse energy in pp collisions at $\sqrt{s}=1.96$ TeV and limits on anomalous trilinear gauge couplings. Physical Review Letters, 2009, 103, 191801.	4.1	37

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181	Search for Stopped Gluinos from pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 131801.	7.8	37
182	Measurement of the τ 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
183	Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 7$ and 8 TeV and search for anomalous triple gauge couplings at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 236.	3.9	37
184	A determination of the CP violation parameter $\hat{\Gamma}_K$ from the decay of strangeness-tagged neutral kaons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 458, 545-552.	4.1	36
185	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
186	Measurement of the $K_L - K_S$ mass difference using semileptonic decays of tagged neutral kaons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 444, 38-42.	4.1	35
187	Tests of the Equivalence Principle with neutral kaons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 452, 425-433.	4.1	35
188	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	7.8	35
189	Search for Charged Higgs Bosons Decaying into Top and Bottom Quarks in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2009, 102, 191802.	7.8	35
190	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
191	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 488.	3.9	35
192	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	4.1	34
193	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	4.1	34
194	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
195	Search for microscopic black holes in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
196	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or 3 b-quark jets in 7 TeV pp collisions using the variable \hat{E}_T . Journal of High Energy Physics, 2013, 2013, 1.	4.7	34
197	Measurement of $t\bar{t}$ 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.	3.9	34
198	Measurements of the $t\bar{t}$ 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

#	ARTICLE	IF	CITATIONS
199	Measurement of the top quark mass with lepton+jets final states using $\mathcal{P} \mathcal{P}$ collisions at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2018, 78, 891.	3.9	34
200	Precise Measurement of the Top-Quark Mass from lepton+jets Events. Physical Review Letters, 2008, 101, 182001.	7.8	33
201	Model-Independent Measurement of the W-Boson Helicity in Top-Quark Decays at D0. Physical Review Letters, 2008, 100, 062004.	7.8	33
202	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	33
203	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s}=8 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	33
204	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 13.	3.9	33
205	Search for top squark pair production using dilepton final states in $\mathcal{P} \mathcal{P}$ collision data collected at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 3.	3.9	33
206	Measurement of t - \bar{t} normalised multi-differential cross sections in $\mathcal{P} \mathcal{P}$ collisions at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$, 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
207	Search for Randall-Sundrum Gravitons in Dilepton and Diphoton Final States. Physical Review Letters, 2005, 95, 091801.	7.8	32
208	Search for Higgs Bosons Decaying to Tau Pairs in $\bar{p} \bar{p}$ Collisions with the D0 Detector. Physical Review Letters, 2008, 101, 071804.	7.8	32
209	Search for Resonant Diphoton Production with the D0 Detector. Physical Review Letters, 2009, 102, 231801.	7.8	32
210	Search for supersymmetry in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ in events with a single lepton, jets, and missing transverse momentum. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
211	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
212	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.	3.9	32
213	Measurements of the $Z Z$ production cross sections in the $2u 2l 2l 1/2$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV . European Physical Journal C, 2015, 75, 511.	3.9	32
214	Searches for pair production of third-generation squarks in $\sqrt{s}=13 \text{ TeV}$ pp collisions. European Physical Journal C, 2017, 77, 327.	3.9	32
215	Measurement of the Forward-Backward Charge Asymmetry and Extraction of $\sin^2 \theta_W$ in $\bar{p} \bar{p}$ Collisions at $\sqrt{s}=1.96 \text{ TeV}$. Physical Review Letters, 2008, 101, 191801.	4.1	31
216	Measurement of the Forward-Backward Charge Asymmetry and Extraction of $\sin^2 \theta_W$ in $\bar{p} \bar{p}$ Collisions at $\sqrt{s}=1.96 \text{ TeV}$. Physical Review Letters, 2008, 101, 191801.	7.8	31

#	ARTICLE	IF	CITATIONS
217	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	31
218	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 66.	3.9	31
219	Search for top squark pair production in pp collisions at $s = 13$ TeV using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31
220	Search for Neutral Higgs Bosons Decaying to Tau Pairs in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 97, 121802.	7.8	30
221	Measurement of the top quark mass in the lepton+jets channel using the ideogram method. Physical Review D, 2007, 75, .	4.7	30
222	Simultaneous Measurement of the Ratio $R = \frac{\sigma(\text{pp} \rightarrow \text{B} + \text{jet})}{\sigma(\text{pp} \rightarrow \text{W} + \text{jet})}$. Physical Review D, 2007, 75, .	7.8	30
223	Measurement of the production cross section and top quark mass extraction using dilepton events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	7.8	30
224	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	30
225	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
226	Measurement of the W-boson helicity in top-quark decays from $\text{t} \rightarrow \text{W} + \text{b}$ production in lepton+jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30
228	Search for massive WH resonances decaying into the $\text{b}\bar{\text{b}}$ final state at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 237.	3.9	30
229	Measurement of the WW Production Cross Section in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 94, 151801.	7.8	29
230	Search for Large Extra Spatial Dimensions in Dimuon Production with the D0 Detector. Physical Review Letters, 2005, 95, 161602.	7.8	29
231	Search for Neutral, Long-Lived Particles Decaying into Two Muons in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 97, 161802.	7.8	29
232	Search for supersymmetry in di-photon final states at $\sqrt{s}=1.96$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 659, 856-863.	4.1	29
233	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
234	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

#	ARTICLE	IF	CITATIONS
235	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s}=13$ Te. European Physical Journal C, 2019, 79, 280.	3.9	29
236	Search for Pair Production of Scalar Bottom Quarks in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 97, 171806.	7.8	28
237	Measurement of B_d mixing using opposite-side flavor tagging. Physical Review D, 2006, 74, .	4.7	28
238	Combined D_0 measurements constraining the CP-violating phase and width difference in the B_s system. Physical Review D, 2007, 76, .	4.7	28
239	Search for Anomalous Wtb Couplings in Single Top Quark Production. Physical Review Letters, 2008, 101, 221801.	7.8	28
240	Search for Z production in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 97, 171806.	7.8	28
241	Search for $\overline{b} \rightarrow \overline{t} \rightarrow b + \overline{t}$ production in the $H \rightarrow b\overline{b}$ decay channel with leptonic $t\overline{t}$ decays in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
242	Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
243	Measurement of the ratio of the W boson production in the \hat{e}^+e^- decay channel. Physical Review Letters, 2006, 97, 171806.	4.1	27
244	Measurement of the inclusive W boson production cross section to the inclusive W boson production cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 97, 171806.	4.1	27
245	Measurement of the W boson production cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 97, 171806.	4.1	27
246	Measurement of the Semileptonic Branching Ratio of B_s to an Orbitally Excited D_s^{**} State: $\text{Br}(B_s \rightarrow D_s^{*1} (2536)^{1/2+} X)$. Physical Review Letters, 2009, 102, 051801.	7.8	27
247	Measurement of the Z boson production cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 97, 171806.	4.1	27
248	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 291.	3.9	27
249	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.	1.2	27
250	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	27
251	Measurement of θ_{13} production cross section in $p\bar{p}$ collisions using dilepton events. Physical Review D, 2007, 76, .	4.7	26
252	Search for CP violation in $B_s \rightarrow D_s^{*1} X$ decays in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2010, 82, .	4.7	26

#	ARTICLE	IF	CITATIONS
253	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at $\sqrt{s} = 7, \text{TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	26
254	Search for resonant $\overline{\text{t}}\text{t}$ production in lepton+jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
255	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	26
256	Search for the standard model Higgs boson in the $H \rightarrow \tau^+\tau^-$ channel in pp collisions at $\sqrt{s} = 7, \text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
257	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s} = 7, \text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
258	Search for $W \rightarrow \tau \nu$ decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	26
259	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $s = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	26
260	Search for Supersymmetry via Associated Production of Charginos and Neutralinos in Final States with Three Leptons. Physical Review Letters, 2005, 95, 151805.	7.8	25
261	Search for $B_s \rightarrow \tau^+\tau^-$ decays at D0. Physical Review D, 2007, 76, .	4.7	25
262	Search for Dark Photons from Supersymmetric Hidden Valleys. Physical Review Letters, 2009, 103, 081802.	7.8	25
263	Measurement of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false" \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mover} \rangle \text{Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342 Td (accent="true} \rangle$		

#	ARTICLE	IF	CITATIONS
271	Measurement of the b Lifetime Using Semileptonic Decays. Physical Review Letters, 2007, 99, 182001.	7.8	24
272	Measurement of the b Lifetime in the Exclusive Decay $b \rightarrow \bar{c} \ell \nu$. Physical Review Letters, 2007, 99, 142001.	7.8	24
273	Measurement of the Charge Asymmetry in Semileptonic B_s Decays. Physical Review Letters, 2007, 98, 151801.	7.8	24
274	Measurement of the $t \rightarrow b \gamma$ production cross section in the $t \rightarrow b \gamma + \text{jets}$ channel in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	24
275	Search for third-generation scalar leptoquarks in the $t \rightarrow b \gamma$ channel in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
276	Measurements of $pp \rightarrow \{Z\} \{Z\}$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 200.	3.9	24
277	Search for CP violation in the decay of tagged and KO to $\bar{c} \ell \nu$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 425, 391-398.	4.1	23
278	Search for right-handed W bosons in top quark decay. Physical Review D, 2005, 72, .	4.7	23
279	$Z\bar{Z}$ production and limits on anomalous $Z\bar{Z}\bar{Z}$ and $Z\bar{Z}\bar{Z}$ couplings in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 2973.	4.1	23
280	Search for the lightest scalar top quark in events with two leptons in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 2973.	4.1	23
281	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
282	Measurement of the jet mass in highly boosted $t \rightarrow b \gamma$ events from pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 467.	3.9	23
283	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
284	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
285	CLEAR results on the CP parameters of neutral kaons decaying to $\bar{c} \ell \nu$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 407, 193-200.	4.1	22
286	Measurement of the $pp \rightarrow \bar{c} \ell \nu + W^3 + X$ cross section at $\sqrt{s} = 1.96$ TeV and WW^3 anomalous coupling limits. Physical Review D, 2005, 71, .	4.7	22
287	Search for the pair production of scalar top quarks in the acoplanar charm jet final state in collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 645, 119-127.	4.1	22
288	Search for Third Generation Scalar Leptoquarks Decaying into $t \rightarrow b \gamma$. Physical Review Letters, 2008, 101, 241802.	7.8	22

#	ARTICLE	IF	CITATIONS
289	Measurement of the cross section and limits on anomalous production of second generation scalar leptoquarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 224-232.	7.8	22
290	Search for pair production of second generation scalar leptoquarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 224-232.	4.1	22
291	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
292	Search for physics beyond the standard model in events with i, j leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2493.	3.9	22
293	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
294	Search for direct pair production of supersymmetric partners to the τ lepton in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 189.	3.9	22
295	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
296	Measurement of the neutral kaon regeneration amplitude in carbon at momenta below 1 GeV/c. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 413, 422-430.	4.1	21
297	Search for first-generation scalar leptoquarks in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2005, 71, 061801.	4.7	21
298	Search for Third-Generation Scalar Leptoquarks in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 99, 061801.	7.8	21
299	Data from the ATLAS experiment. ATLAS Collaboration. ATLAS-CONF-2017-027.	7.8	21
300	Search for pair production of first-generation leptoquarks in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 99, 061801.	4.1	21
301	Measurement of the top quark mass in final states with two leptons. Physical Review D, 2009, 80, 074017.	4.7	21
302	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
303	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
304	Measurement of the Ratio of Inclusive Cross Sections $\sigma(pp \rightarrow \tau^+ Z + b \rightarrow \tau^+ Z + \text{jet}) / \sigma(pp \rightarrow \tau^+ Z + \text{jet})$ at $\sqrt{s}=1.96$ TeV. Physical Letters, 2005, 94, 161801.	7.8	20
305	Search for Long-Lived Particles Decaying into Electron or Photon Pairs with the D0 Detector. Physical Review Letters, 2008, 101, 111802.	7.8	20
306	Search for Anomalous Top-Quark Couplings with the D0 Detector. Physical Review Letters, 2009, 102, 092002.	7.8	20

#	ARTICLE	IF	CITATIONS
307	Search for a scalar or vector particle decaying into $Z\gamma$ in $\sqrt{s}=7$ TeV collisions at the LHC. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.1	20
308	Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	20
309	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	20
310	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in events with a single lepton, jets, and missing transverse momentum. <i>European Physical Journal C</i> , 2013, 73, 2404.	3.9	20
311	Measurements of the τ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	20
312	Search for $\tau\overline{\tau}H$ production in the all-jet final state in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	20
313	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	20
314	Search for rare decays of Z and Higgs bosons to $\tau\psi/\tau\tilde{\nu}$ and a photon in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 94.	3.9	20
315	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	20
316	Measurement of the τ production cross section in $\sqrt{s}=7$ TeV collisions at the LHC. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.1	19
317	Measurement of Semileptonic Branching Fractions of B Mesons to Narrow D^{**} States. <i>Physical Review Letters</i> , 2005, 95, 171803.	7.8	19
318	Search for R-parity violating supersymmetry via the τ couplings. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.1	19
319	Search for the Higgs Boson in $\tau\tau$ Decays in $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2006, 96, 011801.	7.8	19
320	Measurement of the $\tau\tau$ cross section and limits on WWZ trilinear gauge couplings. <i>Physical Review D</i> , 2007, 76, .	4.7	19
321	Measurement of the top quark mass in the dilepton channel. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 655, 7-14.	4.1	19
322	Search for scalar leptoquarks and T-odd quarks in the acoplanar jet topology using of collision data at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 668, 357-363.	4.1	19
323	Search for excited electrons in $\sqrt{s}=1.96$ TeV. <i>Physical Review D</i> , 2008, 77, .	4.7	19
324	Study of Direct CP Violation in $B_{\pm}^0 \rightarrow \tau^{\pm} K_{\pm}^0$ Decays. <i>Physical Review Letters</i> , 2008, 100, 211802.	7.8	19

#	ARTICLE	IF	CITATIONS
325	Search for Flavor-Changing-Neutral-Current DMeson Decays. Physical Review Letters, 2008, 100, 101801.	7.8	19
326	Search for Associated Wand Higgs Boson Production in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 102, 051803.	7.8	19
327	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
328	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.	4.7	19
329	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 723.	3.9	19
330	Measurement of the $b \rightarrow s \gamma$ Lifetime in the Decay $B \rightarrow s \gamma$ with the D0 Detector. Physical Review Letters, 2005, 94, 102001.	7.8	18
331	Search for pair production of second-generation scalar leptoquarks in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 171803.	4.1	18
332	Multivariate searches for single top quark production with the D0 detector. Physical Review D, 2007, 75, .	4.7	18
333	Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	18
334	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.	3.9	18
335	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
336	MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 629.	3.9	18
337	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 970.	3.9	18
338	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
339	Search for Supersymmetry with Gauge-Mediated Breaking in Diphoton Events at D0. Physical Review Letters, 2005, 94, 041801.	7.8	17
340	Measurement of the W boson helicity in top quark decays at D0. Physical Review D, 2007, 75, .	4.7	17
341	Observation of ZZ Production in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 171803.	7.8	17
342	Search for stopped long-lived particles produced in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	17

#	ARTICLE	IF	CITATIONS
343	Measurement of the Λ_{b}^0 lifetime in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	17
344	Probing color coherence effects in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 2901.	3.9	17
345	Search for Z^0 resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
346	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 697.	3.9	17
347	Electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	17
348	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
349	Study of Z^0 Events and Limits on Anomalous ZZ^0 and Z^0Z^0 Couplings in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 95, 051802.	7.8	16
350	Measurement of the B_s^0 Lifetime in the Exclusive Decay Channel $B_s^0 \rightarrow J/\psi K^0$. Physical Review Letters, 2005, 94, 042001.	7.8	16
351	Measurement of the Ratio of B^+ and B^0 Meson Lifetimes. Physical Review Letters, 2005, 94, 182001.	7.8	16
352	Search for the lightest scalar top quark in events with two leptons in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	16
353	A combined search for the standard model Higgs boson at $\sqrt{s}=1.96$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 663, 26-36.	4.1	16
354	Search for Decay of a Fermiophobic Higgs Boson $h \rightarrow Z^0 Z^0$ with the DO Detector at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 101, 051801.	7.8	16
355	Direct Measurement of the Mass Difference between Top and Antitop Quarks. Physical Review Letters, 2009, 103, 132001.	7.8	16
356	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
357	Measurement of the $t\bar{t}$ 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
358	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
359	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $e\mu$ pair in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 317.	3.9	16
360	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 536.	3.9	16

#	ARTICLE	IF	CITATIONS
361	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
362	Measurement of associated $Z +$ charm production in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 287.	3.9	16
363	Search for Resonant Second Generation Slepton Production at the Fermilab Tevatron. Physical Review Letters, 2006, 97, 111801.	7.8	15
364	Search for Scalar Neutrino Superpartners in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 97, 111801.	7.8	15
365	Search for Neutral Higgs Bosons in Multi- b -Jet Events in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 221802.	7.8	15
366	Evidence of W and Z Production with lepton+jets Final States in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 102, 161801.	7.8	15
367	Search for admixture of scalar top quarks in the lepton + jets final state at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 102, 161801.	4.1	15
368	Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
369	Measurement of the mass difference between top and antitop quarks. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
370	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
371	Measurement of the $t \bar{t} \rightarrow \ell \bar{\nu}_\ell$ 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
372	Measurement of b hadron lifetimes in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 457.	3.9	15
373	Measurement of the Angular and Lifetime Parameters of the Decays $B \rightarrow D \ell \bar{\nu}_\ell$ and $B \rightarrow D^* \ell \bar{\nu}_\ell$. Physical Review Letters, 2009, 103, 231802.	7.8	14
374	Direct Measurement of the W Boson Width. Physical Review Letters, 2009, 103, 231802.	7.8	14
375	Search for the Standard Model Higgs Boson in Tau Final States. Physical Review Letters, 2009, 102, 251801.	7.8	14
376	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
377	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.	4.7	14
378	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	14

#	ARTICLE	IF	CITATIONS
397	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
398	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
399	K^0 mass and decay-width differences: CPLEAR evaluation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 471, 332-338.	4.1	12
400	Measurement of the energy dependence of the form factor f_+ in K^0_{e3} decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 473, 186-192.	4.1	12
401	Search for excited muons in $pp\bar{A}^-$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2006, 73, .	4.7	12
402	Search for the Standard Model Higgs Boson in the $pp\bar{A}^+Z\bar{A}^-\bar{b}\bar{b}$ Channel. Physical Review Letters, 2006, 97, 161803.	7.8	12
403	Measurement of trilinear gauge boson couplings from $WW+WZ$ events in $pp\bar{A}^-$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2009, 80, .	4.7	12
404	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
405	Search for dark matter produced in association with a Higgs boson decaying to $\tilde{\chi}^0_1$ or $\tilde{\chi}^{\pm}_1$, \tilde{A}^0 at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
406	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
407	Development and validation of HERWIG7 tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	3.9	12
408	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
409	Production of WZ Events in $pp\bar{A}^-$ Collisions at $\sqrt{s}=1.96$ TeV and Limits on Anomalous WWZ Couplings. Physical Review Letters, 2005, 95, 141802.	7.8	11
410	Search for scalar leptoquarks in the acoplanar jet topology in $pp\bar{A}^-$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 95, 091802.	4.1	11
411	Search for a Higgs boson produced in association with a Z boson in $pp\bar{A}^-$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 95, 091802.	4.1	11
412	Search for a Higgs boson produced in association with a Z boson in $pp\bar{A}^-$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 95, 091802.	4.7	11
413	Search for Neutral Higgs Bosons at High $\tan\beta$ in the $h(H/A)\bar{b}\bar{b}, \tilde{A}^0, \tilde{A}^{\pm}$ Channel. Physical Review Letters, 2009, 102, 051804.	7.8	11
414	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

#	ARTICLE	IF	CITATIONS
415	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	11
416	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow \tau^+ \tau^- \tau^+ \tau^-$ decay channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	11
417	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
418	Measurement of electroweak production of a W boson in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 43.	3.9	11
419	Experimental measurement of the ratio in antiproton annihilations at rest in gaseous hydrogen at 15 and 27 bar. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 403, 383-389.	4.1	10
420	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2018, 78, 242.	3.9	10
421	Measurement of the $Z/\gamma \rightarrow \mu^+ \mu^- Z/\gamma \rightarrow \mu^+ \mu^-$ cross section in pp collisions at $\sqrt{s} = 13$ TeV and validation of $Z/\gamma \rightarrow \mu^+ \mu^-$. European Physical Journal C, 2018, 78, 708.	3.9	10
422	Search for a heavy resonance decaying into a Z boson and a vector boson in the $u \bar{u} \rightarrow \text{heavy resonance} \rightarrow Z \gamma$ final state. Journal of High Energy Physics, 2018, 2018, 1.	4.7	10
423	transitions monitored by strong interactions: a new determination of the $K_L - K_S$ mass difference. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 503, 49-57.	4.1	9
424	Search for a heavy resonance decaying into a Z+jet final state in pp collisions at $\sqrt{s} = 1.96$ TeV using the D0 detector. Physical Review D, 2006, 74, .	4.7	9
425	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	9
426	Search for a heavy vector resonance decaying to a Z boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 688.	3.9	9
427	Measurement of the CP-violation parameter θ_{13} using tagged and K0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 420, 191-195.	4.1	8
428	Limits on anomalous trilinear gauge couplings from $W \rightarrow e \nu$, $W \rightarrow \tau \nu$, and $W \rightarrow \mu \nu$ events from pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2006, 74, .	4.7	8
429	Study of the Decay $B_s \rightarrow D_s^* D_s^*$. Physical Review Letters, 2007, 99, 241801.	7.8	8
430	Search for squark production in events with jets, hadronically decaying tau leptons and missing transverse energy at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 368, 1.	4.1	8
431	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2q \rightarrow \text{heavy resonance} \rightarrow Z q$ final states at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8
432	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 773.	3.9	8

#	ARTICLE	IF	CITATIONS
433	An upper limit for the branching ratio of the decay $K_s \rightarrow e^+e^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 413, 232-238.	4.1	7
434	Search for single production of scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	7
435	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	7
436	Search for anomalous heavy-flavor quark production in association with W bosons. Physical Review Letters, 2005, 94, 152002.	4.7	7
437	Study of central exclusive "Equation missing" production in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV. European Physical Journal C, 2020, 80, 718.	3.9	7
438	Measurement of the cross section for production of $b\bar{b}$ decaying to muons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	7.8	6
439	Search for the associated production of the Higgs boson with a top-quark pair. , 2014, 2014, 1.	4.7	6
440	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
441	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
442	Search for particles decaying into a Z boson and a photon in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.1	5
443	A novel method for modeling the recoil in W boson events at hadron colliders. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 609, 250-262.	1.6	5
444	Relative rates of B meson decays into $\tilde{\chi}^0(2S)$ and $\tilde{\chi}^{\pm}$ mesons. Physical Review D, 2009, 79, .	4.7	5
445	Search for the pair production of light top squarks in the $e^+e^- \rightarrow t\bar{t}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
446	Measurement of energy flow at large pseudorapidities in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. , 2011, 2011, 1.	4.7	5
447	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8$, 13, and 14 TeV with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.	3.9	5
448	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
449	Search for long-lived particles decaying into muon pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV collected with a dedicated high-rate data stream. Journal of High Energy Physics, 2022, 2022, .	4.7	5

#	ARTICLE	IF	CITATIONS
451	Quantum speedup for track reconstruction in particle accelerators. <i>Physical Review D</i> , 2022, 105, .	4.7	5
452	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	5
453	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	5
454	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 305.	3.9	4
455	Quantum algorithm for the classification of supersymmetric top quark events. <i>Physical Review D</i> , 2021, 104, .	4.7	4
456	Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, .	4.7	4
457	Measurements of the $(p) \rightarrow Z$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $(\sqrt{s} = 13 \text{ TeV})$. 2018, 78, 1.		3
458	Search for the Standard Model Higgs Boson in the Missing Energy and Acoplanar Jet Topology at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2008, 101, 251802.	7.8	2
459	Search for new phenomena with multiple charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	2
460	Measurements of angular distance and momentum ratio distributions in three-jet and Z + two-jet final states in pp collisions. <i>European Physical Journal C</i> , 2021, 81, 852.	3.9	2
461	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. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	2
462	Measurement of the inclusive $t\bar{t}$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	2
463	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. <i>Journal of High Energy Physics</i> , 2022, 2022, .	4.7	2
464	Direct determination of two-pion correlations for $pp \rightarrow \pi^+ \pi^-$ annihilation at rest. <i>European Physical Journal C</i> , 1998, 1, 139-148.	3.9	1
465	Pion correlations and resonance effects in $pp \rightarrow \pi^+ \pi^-$ annihilation at rest to $2\pi^0$. <i>European Physical Journal C</i> , 1999, 6, 437.	3.9	1
466	Publisher's Note: Search for CP violation in $B_s \rightarrow D_s X$ decays in pp collisions at $\sqrt{s} = 1.96$ TeV [Phys. Rev. D 82, 012003 (2010)]. <i>Physical Review D</i> , 2011, 83, .	4.7	1
467	Measurement of b hadron lifetimes in pp collisions at $(\sqrt{s} = 8) \text{ TeV}$. 2018, 78, 1.		1
468	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	1

#	ARTICLE	IF	CITATIONS
469	Observation of $B^0 \rightarrow \psi(2S)K^0_{\text{S}} \text{uppi}^+ \text{uppi}^-$ and $B^0_{\text{S}} \rightarrow \psi(2S)K^0_{\text{S}}$ decays. European Physical Journal C, 2022, 82, .	3.9	1
470	The CMS Collaboration. Nuclear Physics A, 2009, 830, 946c-956c.	1.5	0