

Pedrame Bargassa

List of Publications by Year in descending order

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Version: 2024-02-01

470
papers

23,917
citations

11608

70
h-index

14702

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.	0.5	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.	0.7	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.	1.4	541
4	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	1.4	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.	2.9	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.	1.4	369
7	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 421.	1.4	355
8	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	1.4	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.	1.6	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.	1.4	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.	1.4	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.	1.6	230
13	Measurement of the Forward-Backward Charge Asymmetry in Top-Quark Pair Production. Physical Review Letters, 2008, 100, 142002.	2.9	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.	1.6	200
15	Observation of Single Top-Quark Production. Physical Review Letters, 2009, 103, 092001.	2.9	199
16	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	1.4	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.	2.9	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.	1.4	191

#	ARTICLE	IF	CITATIONS
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 $\langle B_s \rangle$ Parameters from the Flavor-Tagged Decay $B_s \rightarrow D^0 \pi^0$. Physical Review Letters, 2008, 101, 241801.	1.4	181
20	Direct Limits on the B_s Oscillation Frequency. Physical Review Letters, 2006, 97, 021802.	2.9	173
21		2.9	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.	1.6	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, .	1.6	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.	1.6	101
40	Evidence for Production of Single Top Quarks and First Direct Measurement of $ V_{tb} $. Physical Review Letters, 2007, 98, 181802.	2.9	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.	1.5	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.	1.6	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.	1.6	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.	1.6	95
45	Direct Observation of the Strange Baryon Λ_c^+ . Physical Review Letters, 2007, 99, 052001.	2.9	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.	1.6	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.	1.4	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.	1.6	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.	1.6	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.	6.0	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.	1.4	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.	0.5	84
53	Observation of the B_c Meson in the Exclusive Decay $B_c \rightarrow B^0 c$. Physical Review Letters, 2008, 101, 012001.	2.9	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.	1.6	83

#	ARTICLE	IF	CITATIONS
55	Measurement of the differential cross section and charge asymmetry for inclusive $\{p\}\mathrm{p}\rightarrow\mathrm{p}\{W\}^{\pm}\{p\}$ production at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 469.	1.4	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.	1.4	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.	1.4	82
58	Measurement of the isolated photon cross section in $\sqrt{s}=1.96$ TeV collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 103, 191803.	1.5	81
59	Searches for Quark Compositeness and Extra Spatial Dimensions. Physical Review Letters, 2009, 103, 191803.	1.5	81
60	J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	81
61	Evidence for production of single top quarks. Physical Review D, 2008, 78, .	1.6	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.	1.4	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.	1.5	76
64	Measurement of Dijet Azimuthal Decorrelations at Central Rapidities in $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 94, 221801.	2.9	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.	1.6	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.	1.4	75
67	Observation of the Doubly Strange Baryon Ξ_{cc} . Physical Review Letters, 2009, 103, 222002.	2.9	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.	1.4	74
69	Measurement of the $X(3872)$ production cross section via decays to $J/\psi\gamma + \bar{\psi}\psi$ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	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.	1.4	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, .	1.6	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.	1.4	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.	1.6	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.	1.6	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.	1.4	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.	1.6	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.	1.4	68
78	Measurement of the $\overline{\text{t}}\text{t}\text{A}$ 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.	1.4	68
79	Measurement of the W Boson Mass. Physical Review Letters, 2009, 103, 141801.	2.9	66
80	Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s_{NN}}$ = 2.76 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	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.	1.4	65
82	Search for Doubly Charged Higgs Boson Pair Production in the Decay $\text{to } \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$ in pp Collisions at $\sqrt{s}=1.96 \text{ TeV}$. Physical Review Letters, 2004, 93, 141801.	2.9	64
83	Measurement of the Electron Charge Asymmetry in W Production. Physical Review Letters, 2008, 101, 211801.	2.9	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.	1.4	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.	1.4	64
86	Observation and Properties of the Orbitally Excited B . Physical Review Letters, 2008, 100, 082002.	2.9	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.	1.6	63
88	Measurement of the $W+W\text{A}$ cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and limits on anomalous $WW\text{A}$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	1.4	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.	1.4	62
90	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	62

#	ARTICLE	IF	CITATIONS
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.	1.4	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.	1.6	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.	2.9	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.	1.5	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.	1.6	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.	1.6	58
97	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	1.6	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.	1.4	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.	1.4	58
100	Properties of L	2.9	57
101	B_1 and B_2^*		

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109	A determination of the CPT violation parameter $\text{Re}(\hat{\Gamma})$ from the semileptonic decay of strangeness-tagged neutral kaons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 444, 52-60.	1.5	55
110	Search for Next-to-Minimal Supersymmetric Higgs Bosons in the $h \rightarrow \hat{a}^+ \hat{a}^-$ Channels Using \tilde{l}_R Production. Physical Review Letters, 2009, 103, 061801.	2.9	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.	1.4	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.	1.4	55
113	Measurement of differential Z boson production cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.5	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.	1.4	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.	1.6	54
116	Lifetime Difference and CP-Violating Phase in the B_s System. Physical Review Letters, 2007, 98, 121801.	2.9	53
117	Search for scalar top quarks in the $pp \rightarrow \text{charm jets} + \text{missing transverse energy}$ final state in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.5	53
118	Measurement of the Lifetime of the B_c Meson in the Semileptonic Decay Channel. Physical Review Letters, 2009, 102, 092001.	1.96	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.	1.6	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.	1.4	53
121	Search for Long-Lived Charged Massive Particles with the D0 Detector. Physical Review Letters, 2009, 102, 161802.	2.9	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.	1.4	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.	1.4	52
124	Search for $W \rightarrow \hat{c} \hat{s}$ Boson Resonances Decaying to a Top Quark and a Bottom Quark. Physical Review Letters, 2008, 100, 211803.	2.9	51
125	Search for exclusive or semi-exclusive $\hat{t}\hat{t}$ 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.	1.6	51
126	Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	1.6	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.	1.6	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.	2.9	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.	1.6	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.	1.6	49
131	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.	1.4	49
132	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 364.	1.4	48
133	Measurement of the top quark mass in the lepton+jets final state with the matrix element method. Physical Review D, 2006, 74, .	1.6	47
134	Experimental Discrimination between Charge $2e/3$ Top Quark and Charge $4e/3$ Exotic Quark Production Scenarios. Physical Review Letters, 2007, 98, 041801.	2.9	47
135	Production and Limits on Anomalous $W^{\pm 3}$ Couplings in pp Collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 707.	2.9	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.	2.9	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.	1.6	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.	1.6	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.	1.6	46
140	Search for third-generation scalar leptoquarks decaying to a top quark and a u or \bar{d} lepton at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 707.	1.4	46
141	Search for Production of Single Top Quarks via $t\bar{c}$ and $t\bar{g}$ and Flavor-Changing-Neutral-Current Couplings. Physical Review Letters, 2007, 99, 191802.	2.9	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.	1.6	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, .	1.6	44
144	Search for Pair Production of Doubly Charged Higgs Bosons in the $H^{++}H^{-\bar{}} \rightarrow \tau^+ \tau^- \tau^+ \tau^-$ Final State. Physical Review Letters, 2008, 101, 071803.	2.9	44

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145	Search for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle W \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{e}^2 \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ Bosons Decaying to an Electron and a Neutrino with the D0 Detector. Physical Review Letters, 2008, 100, 031804.	2.9	44
146	Search for microscopic black holes in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	44
147	Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 151.	1.4	44
148	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3060.	1.4	43
149	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	43
150	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 325.	1.4	43
151	Determination of the T- and CPT-violation parameters in the neutral-kaon system using the Bell-Steinberger relation and data from CPLEAR. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 456, 297-303.	1.5	42
152	Search for Neutral Supersymmetric Higgs Bosons in Multijet Events at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2005, 95, 151801.	2.9	42
153	Measurement of the CP-violation parameter of B ₀ mixing and decay with pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2006, 74, .	1.6	42
154	Search for Resonant Pair Production of Neutral Long-Lived Particles Decaying to b \bar{b} Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 103, 071801.	2.9	42
155	Measurement of the top-quark mass in $\overline{\text{tt}}$ events with dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	42
156	Measurements of differential cross sections of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} \rangle \langle \text{mml:mi} \rangle Z \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{t}^3 \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{e}^- \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mo} \rangle \hat{t}^2 \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mo} \rangle \hat{e}^+$ events in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2012, 85, 034008.	1.5	42
157	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	41
158	Measurement of the $\overline{\text{tt}} \hat{e}^-$ production cross section in the $e \hat{e}^+$ channel in proton-proton collisions at $s = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	41
159	Measurement of the $\overline{\text{tt}} \hat{e}^-$ production cross section in the all-jets final state in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 128.	1.4	41
160	Physics at CPLEAR. Physics Reports, 2003, 374, 165-270.	10.3	40
161	Measurement of $\hat{t}^3 + b + X$ and $\hat{t}^3 + c + X$ Production Cross Sections in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 102, 192002.	2.9	40
162	Search for same-sign top-quark pair production at $\sqrt{s} = 7$ TeV and limits on flavour changing neutral currents in the top sector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	40

#	ARTICLE	IF	CITATIONS
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.	1.4	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.	1.4	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.	1.4	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.	1.4	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, 965.	1.5	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.	1.5	39
169	Inclusive b-jet production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	39
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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.	1.6	18
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341	Observation of ZZ Production in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 171803.	2.9	17
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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. Journal of High Energy Physics, 2022, 2022, 1.	1.6	1

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