

Thomas A Ferguson

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1,048
papers

43,084
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89
h-index

155
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1,063
ext. papers

46,563
ext. citations

5
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6.29
L-index

#	Paper	IF	Citations
1048	The CMS experiment at the CERN LHC. <i>Journal of Instrumentation</i> , 2008 , 3, S08004-S08004	1	1276
1047	Search for the Standard Model Higgs boson at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 565, 61-75	4.2	1044
1046	Precision electroweak measurements on the Z resonance. <i>Physics Reports</i> , 2006 , 427, 257-454	27.7	730
1045	CMS Physics Technical Design Report, Volume II: Physics Performance. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007 , 34, 995-1579	2.9	602
1044	Search for neutral MSSM Higgs bosons at LEP. <i>European Physical Journal C</i> , 2006 , 47, 547	4.2	496
1043	The construction of the L3 experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1990 , 289, 35-102	1.2	465
1042	Observation of long-range, near-side angular correlations in pPb collisions at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 795-814	4.2	452
1041	Combined results of searches for the standard model Higgs boson in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 26-48	4.2	437
1040	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[Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 212	4.2	399
1039	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review C</i> , 2011 , 84,	2.7	395
1038	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	389
1037	Identification of b-quark jets with the CMS experiment. <i>Journal of Instrumentation</i> , 2013 , 8, P04013-P04013		376
1036	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at square root of $s = 7$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 022002	7.4	353
1035	Branching fraction and photon energy spectrum for $b \rightarrow s \gamma$. <i>Physical Review Letters</i> , 2001 , 87, 251807	7.4	353
1034	Study of high-p T charged particle suppression in PbPb compared to pp collisions at $(\sqrt{s_{\mathrm{NN}}}=2.76\text{-}\mathrm{TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	316
1033	Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 213-240	4.2	315
1032	A new UAG-encoded residue in the structure of a methanogen methyltransferase. <i>Science</i> , 2002 , 296, 1462-6	33.3	307

1031	Electroweak measurements in electron-positron collisions at W-boson-pair energies at LEP. <i>Physics Reports</i> , 2013 , 532, 119-244	27.7	291
1030	Description and performance of track and primary-vertex reconstruction with the CMS tracker. <i>Journal of Instrumentation</i> , 2014 , 9, P10009-P10009	1	279
1029	Observation of a new boson with mass near 125 GeV in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	261
1028	Measurement of the properties of a Higgs boson in the four-lepton final state. <i>Physical Review D</i> , 2014 , 89,	4.9	260
1027	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 235	4.2	250
1026	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016 , 76, 155	4.2	250
1025	Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , 2014 , 74, 3076	4.2	239
1024	Study of the mass and spin-parity of the Higgs boson candidate via its decays to Z boson pairs. <i>Physical Review Letters</i> , 2013 , 110, 081803	7.4	235
1023	Results from the L3 experiments at LEP. <i>Physics Reports</i> , 1993 , 236, 1-146	27.7	231
1022	Measurement of the $B_s(0) \rightarrow \mu^+ \mu^-$ branching fraction and search for $B(0) \rightarrow \mu^+ \mu^-$ with the CMS experiment. <i>Physical Review Letters</i> , 2013 , 111, 101804	7.4	220
1021	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at ($\sqrt{s} = 0.9$) and 2.36 TeV. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1	5.4	201
1020	A determination of the properties of the neutral intermediate vector boson Z_0 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 231, 509-518	4.2	195
1019	Search for supersymmetry at the LHC in events with jets and missing transverse energy. <i>Physical Review Letters</i> , 2011 , 107, 221804	7.4	188
1018	Suppression of non-prompt J/ψ and $(\Upsilon)(1S)$ in PbPb collisions at ($\sqrt{s_{NN}} = 2.76$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	184
1017	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV. <i>European Physical Journal C</i> , 2014 , 74, 3036	4.2	183
1016	Observation of B-meson semileptonic decays to noncharmed final states. <i>Physical Review Letters</i> , 1990 , 64, 16-20	7.4	179
1015	Charmonium Decays of $\Upsilon(4260)$, $\psi(4160)$, and $\psi(4040)$. <i>Physical Review Letters</i> , 2006 , 96, 162003	7.4	172
1014	Search for supersymmetry in pp collisions at 7 TeV in events with jets and missing transverse energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 196-218	4.2	166

1013	Search for top-squark pair production in the single-lepton final state in pp collisions at ($\sqrt{s}=8$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	162
1012	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at ($\sqrt{s_{NN}}=2.76$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	158
1011	Search for dark matter and large extra dimensions in monojet events in pp collisions at ($\sqrt{s} = 7$) TeV . <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	155
1010	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 421	4.2	153
1009	Search for heavy neutrinos and [Formula: see text] bosons with right-handed couplings in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3149	4.2	149
1008	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $s_{NN}=2.76$ TeV . <i>Physical Review C</i> , 2013 , 87,	2.7	148
1007	Confirmation of the $Y(4260)$ resonance production in initial state radiation. <i>Physical Review D</i> , 2006 , 74,	4.9	148
1006	Search for the standard model Higgs boson produced in association with a W or a Z boson and decaying to bottom quarks. <i>Physical Review D</i> , 2014 , 89,	4.9	145
1005	Jet momentum dependence of jet quenching in PbPb collisions at $s_{NN}=2.76$ TeV . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 176-197	4.2	144
1004	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	144
1003	First measurement of (D^{*+}) and precision measurement of $m_{D^{*+}} \hbar c$. <i>Physical Review D</i> , 2002 , 65,	4.9	138
1002	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at ($\sqrt{s} = 0.9, 2.76, 7$) TeV . <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	133
1001	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. <i>European Physical Journal C</i> , 2014 , 74, 2980	4.2	131
1000	$B^0\bar{B}^0$ mixing at the Upsilon (4S). <i>Physical Review Letters</i> , 1989 , 62, 2233-2236	7.4	128
999	Semileptonic Decays on the D Meson. <i>Physical Review Letters</i> , 1979 , 43, 1073-1076	7.4	126
998	Modification of jet shapes in PbPb collisions at $s_{NN}=2.76$ TeV . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 730, 243-263	4.2	124
997	Measurement of the inclusive W and Z production cross sections in pp collisions at ($\sqrt{s} = 7$) TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	121
996	Search for charged Higgs bosons: combined results using LEP data. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	120

995	Prompt and non-prompt J/ψ production in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	118
994	Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 64-85	4.2	116
993	Limit on the $b \rightarrow u$ Coupling from Semileptonic B Decay. <i>Physical Review Letters</i> , 1984 , 52, 1084-1088	7.4	115
992	Observation of a Fourth Upsilon State in e^+e^- Annihilations. <i>Physical Review Letters</i> , 1980 , 45, 219-221	7.4	112
991	Measurement of isolated photon production in pp and PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 256-277	4.2	111
990	A search for a doubly-charged Higgs boson in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	111
989	Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Instrumentation</i> , 2013 , 8, P09009-P09009	1	111
988	Search for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 704, 123-142	4.2	111
987	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review C</i> , 2014 , 89,	2.7	109
986	Studies of jet quenching using isolated-photon + jet correlations in PbPb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 773-794	4.2	109
985	Nature of the χ Coupling. <i>Physical Review Letters</i> , 1979 , 42, 749-752	7.4	109
984	Improved measurement of $B(D^+ \rightarrow \mu^+ \nu)$ and the pseudoscalar decay constant f_{D^+} . <i>Physical Review Letters</i> , 2005 , 95, 251801	7.4	107
983	Measurement of absolute hadronic branching fractions of D mesons and $e^+e^- \rightarrow DD^*$ cross sections at the $(B770)$. <i>Physical Review D</i> , 2007 , 76,	4.9	106
982	Search for heavy neutral and charged leptons in e^+e^- annihilation at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 517, 75-85	4.2	106
981	Measurements of inclusive W and Z cross sections in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	104
980	Inclusive search for a vector-like T quark with charge . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 729, 149-171	4.2	103
979	Dalitz analysis of the decay $D^0 \rightarrow K^* \pi^0$. <i>Physical Review D</i> , 2001 , 63,	4.9	103
978	The CLEO detector. <i>Nuclear Instruments & Methods in Physics Research</i> , 1983 , 211, 47-71		103

977	Measurement of differential top-quark-pair production cross sections in pp collisions at ($\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	102
976	Observation of Three Upsilon States. <i>Physical Review Letters</i> , 1980 , 44, 1108-1111	7.4	102
975	Evidence for the 125 GeV Higgs boson decaying to a pair of τ leptons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	101
974	Search for a light charged Higgs boson in top quark decays in pp collisions at ($\sqrt{s} = 7$ TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	101
973	Precision measurements of the timelike electromagnetic form factors of pion, kaon, and proton. <i>Physical Review Letters</i> , 2005 , 95, 261803	7.4	101
972	CMS tracking performance results from early LHC operation. <i>European Physical Journal C</i> , 2010 , 70, 1165-1192	4.1	99
971	CMS Physics Technical Design Report: Addendum on High Density QCD with Heavy Ions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007 , 34, 2307-2455	2.9	99
970	Measurement of the differential cross section for top quark pair production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 542	4.2	98
969	Searches for long-lived charged particles in pp collisions at ($\sqrt{s} = 7$ and 8 TeV). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	96
968	Azimuthal anisotropy of charged particles at high transverse momenta in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV . <i>Physical Review Letters</i> , 2012 , 109, 022301	7.4	95
967	Dalitz analysis of $D^0 \rightarrow K^0(S)\pi^+\pi^-$. <i>Physical Review Letters</i> , 2002 , 89, 251802	7.4	95
966	Missing transverse energy performance of the CMS detector. <i>Journal of Instrumentation</i> , 2011 , 6, P09001-P09004	4.1	94
965	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV . <i>Physical Review Letters</i> , 2011 , 107, 132001	7.4	94
964	Search for supersymmetry in hadronic final states using M T2 in pp collisions at ($\sqrt{s} = 7$) TeV . <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	92
963	Evidence for the direct decay of the 125 GeV Higgs boson to fermions. <i>Nature Physics</i> , 2014 , 10, 557-560	6.2	90
962	First measurement of $\text{BR}(D^* \rightarrow \gamma)$. <i>Physical Review Letters</i> , 2001 , 87, 251801	7.4	90
961	Measurement of the D Semileptonic Branching Ratio in e^+e^- Annihilation at the $\Upsilon(3770)$. <i>Physical Review Letters</i> , 1978 , 40, 671-674	7.4	90
960	Measurement of jet fragmentation in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV . <i>Physical Review C</i> , 2014 , 90,	2.7	89

959	Charged particle multiplicities in pp interactions at ($\sqrt{s} = 0.9$), 2.36, and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	89
958	Luminosity measurement in the L3 detector at LEP. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1996 , 381, 236-266 ^{1.2}		88
957	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at ($\sqrt{s_{NN}} = 2.76$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	87
956	Observation of new structure in the e+e- cross section above the Upsilon (4S). <i>Physical Review Letters</i> , 1985 , 54, 381-384	7.4	87
955	Measurement of the Threshold Behavior of $\mu\mu$ Production in e+e- Annihilation. <i>Physical Review Letters</i> , 1978 , 41, 13-15	7.4	86
954	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the CMS detector. <i>Physical Review D</i> , 2013 , 87,	4.9	85
953	Single- and multi-photon events with missing energy in e+e- collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 587, 16-32	4.2	84
952	Observation of a peaking structure in the J/ψ mass spectrum from $B \rightarrow J/\psi K$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 734, 261-281	4.2	83
951	Measurement of the prompt $\mu\mu$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 381-402	4.2	83
950	Observation of the $hc(1P1)$ state of charmonium. <i>Physical Review Letters</i> , 2005 , 95, 102003	7.4	83
949	Search for supersymmetry in hadronic final states with missing transverse energy using the variables and b-quark multiplicity in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2568	4.2	82
948	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at ($\sqrt{s} = 8$ TeV). <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	81
947	Search for scalar leptons and scalar quarks at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 580, 37-49	4.2	80
946	Observation of Exclusive Decay Modes of b-Flavored Mesons. <i>Physical Review Letters</i> , 1983 , 50, 881-884	7.4	80
945	Evidence for New-Flavor Production at the $\psi(4S)$. <i>Physical Review Letters</i> , 1981 , 46, 84-87	7.4	80
944	Measurement of the atmospheric muon spectrum from 20 to 3000 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 598, 15-32	4.2	79
943	Studies of hadronic event structure in e+e- annihilation from 30 to 209 GeV with the L3 detector. <i>Physics Reports</i> , 2004 , 399, 71-174	27.7	79
942	Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 720, 63-82	4.2	78

941	Strange particle production in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	78
940	Observation of η_c production in $\gamma\gamma$ fusion at CLEO. <i>Physical Review Letters</i> , 2004 , 92, 142001	4-2	78
939	Charm production in nonresonant e^+e^- annihilations at $\sqrt{s} = 10.55$ GeV. <i>Physical Review D</i> , 1988 , 37, 1719-1743	4-9	78
938	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at ($\sqrt{s} = 13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	77
937	Upsilon production cross section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review D</i> , 2011 , 83,	4-9	77
936	Measurement of charm production cross sections in e^+e^- annihilation at energies between 3.97 and 4.26 GeV. <i>Physical Review D</i> , 2009 , 80,	4-9	77
935	Search for isosinglet neutral heavy leptons in Z^0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 295, 371-382	4-2	76
934	Determination of Ξ_s from jet multiplicities measured on the Z^0 resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 248, 464-472	4-2	76
933	$\Gamma(b \rightarrow u l \nu) / \Gamma(b \rightarrow c l \nu)$ from the end point of the lepton momentum spectrum in semileptonic B decay. <i>Physical Review Letters</i> , 1987 , 59, 407-410	7-4	76
932	Measurements of decays and the semileptonic branching ratio $BR(b \rightarrow \bar{c} X)$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 261, 177-187	4-2	75
931	Evidence for the F Meson at 1970 MeV. <i>Physical Review Letters</i> , 1983 , 51, 634-637	7-4	75
930	Inclusive hadron production in Υ decays and in nonresonant electron-positron annihilation at 10.49 GeV. <i>Physical Review D</i> , 1985 , 31, 2161-2191	4-9	75
929	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	74
928	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 722, 5-27	4-2	74
927	The performance of the CMS muon detector in proton-proton collisions at $\sqrt{s} = 7$ TeV at the LHC. <i>Journal of Instrumentation</i> , 2013 , 8, P11002-P11002	1	74
926	Search for a Higgs boson decaying into a Z and a photon in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 587-609	4-2	73
925	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5-4	73
924	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at ($\sqrt{s_{\mathbb{N}\mathbb{N}}} = 2.76$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	73

923	Measurement of $\chi(958)$ formation in two-photon collisions at LEP1. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 418, 399-410	4.2	73
922	Measurements of charmless hadronic two-body B meson decays and the ratio $B(B \rightarrow DK)/B(B \rightarrow D\pi)$. <i>Physical Review D</i> , 2003 , 68,	4.9	73
921	Measurement of the $W+W$ and ZZ production cross sections in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 190-211	4.2	72
920	Measurement of absolute hadronic branching fractions of D mesons and $e+e^- \rightarrow DD$ cross sections at $E_{c.m.}=3773$ MeV. <i>Physical Review Letters</i> , 2005 , 95, 121801	7.4	72
919	Measurement of the inclusive production of neutral pions and charged particles on the Z0 resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 259, 199-208	4.2	72
918	Studies of hadronic event structure and comparisons with QCD models at the Z0 resonance. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 55, 39-61		72
917	Evidence for Unequal Lifetimes of the D0 and D+. <i>Physical Review Letters</i> , 1980 , 45, 329-332	7.4	72
916	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>European Physical Journal C</i> , 2014 , 74, 2847	4.2	71
915	A new boson with a mass of 125 GeV observed with the CMS experiment at the Large Hadron Collider. <i>Science</i> , 2012 , 338, 1569-75	33.3	71
914	Measurement of the μS , μS , and $B S$ polarizations in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2013 , 110, 081802	7.4	71
913	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	70
912	Measurement of the single-top-quark t-channel cross section in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	70
911	Measurement of the underlying event activity at the LHC with $\sqrt{s} = 7$ TeV and comparison with $\sqrt{s} = 0.9$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	70
910	Measurement of Z0 decays to hadrons, and a precise determination of the number of neutrino species. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 237, 136-146	4.2	70
909	J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	69
908	Hadronic mass moments in inclusive semileptonic B meson decays. <i>Physical Review Letters</i> , 2001 , 87, 251808	7.4	69
907	Mass limits for scalar muons, scalar electrons, and winos from $e+e^-$ collisions near $\sqrt{s} = 91$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 233, 530-537	4.2	69
906	Decay of b-Flavored Hadrons to Single-Muon and Dimuon Final States. <i>Physical Review Letters</i> , 1981 , 46, 88-91	7.4	69

905	Higgs candidates in $e+e$ interactions at \sqrt{s} GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 495, 18-25	4.2	68
904	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $(\sqrt{s_{\mathrm{NN}}} = 5.02)$ (,text {TeV}). <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	67
903	Search for very light CP-odd Higgs Boson in radiative decays of Upsilon(1S). <i>Physical Review Letters</i> , 2008 , 101, 151802	7.4	67
902	Study of Z Boson Production in PbPb Collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 212301	7.4	66
901	Study of the q^2 dependence of $B \rightarrow \pi \pi$ and of $B \rightarrow \rho \pi$ and extraction of $ V_{ub} $. <i>Physical Review D</i> , 2003 , 68,	4.9	66
900	Search for anomalous production of multilepton events in pp collisions at $(\sqrt{s} = 7, \text{TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	65
899	Precision measurement of $B(D \rightarrow \pi \pi)$ and the pseudoscalar decay constant f_{D^+} . <i>Physical Review D</i> , 2008 , 78,	4.9	65
898	Charged-particle nuclear modification factors in PbPb and pPb collisions at $(\sqrt{s_{\mathrm{NN}}; \mathrm{NN}} = 5.02)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	64
897	Search for anomalous production of events with three or more leptons in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2014 , 90,	4.9	64
896	Measurement of the $(\overline{\mathrm{t}} \mathrm{t})$ production cross section in the dilepton channel in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	64
895	Measurement of electroweak parameters from hadronic and leptonic decays of the Z 0. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1991 , 51, 179-203		64
894	Measurement of the muon charge asymmetry in inclusive $pp \rightarrow W+X$ production at $\sqrt{s} = 7$ TeV and an improved determination of light parton distribution functions. <i>Physical Review D</i> , 2014 , 90,	4.9	63
893	Search for narrow resonances using the dijet mass spectrum in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2013 , 87,	4.9	63
892	Search for neutral minimal supersymmetric standard model Higgs bosons decaying to tau pairs in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 231801	7.4	63
891	Measurement of the t-channel single top quark production cross section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 091802	7.4	63
890	Search for high-mass resonances in dilepton final states in proton-proton collisions at $(\sqrt{s} = 13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	63
889	Observation of the associated production of a single top quark and a W boson in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 231802	7.4	62
888	Evidence of b-jet quenching in PbPb collisions at $(\sqrt{s_{\mathrm{NN}}}) = 2.76$ TeV. <i>Physical Review Letters</i> , 2014 , 113, 132301	7.4	62

887	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , 2020 , 80, 4	4.2	61
886	Study of double parton scattering using W + 2-jet events in proton-proton collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	61
885	Search for a charged Higgs boson in pp collisions at (\sqrt{s})=8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	61
884	Search for microscopic black hole signatures at the Large Hadron Collider. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 697, 434-453	4.2	61
883	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at ($\sqrt{s_{NN}}$) =2.76 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	60
882	Search for doubly-charged Higgs bosons at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 576, 18-28	4.2	60
881	Improved measurement of V_{ub} with inclusive semileptonic B decays. <i>Physical Review Letters</i> , 2002 , 88, 231803	7.4	60
880	Limits on $B^0\bar{B}^0$ mixing and ϵ . <i>Physical Review Letters</i> , 1987 , 58, 183-186	7.4	60
879	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	59
878	J/ψ and $\psi(2S)$ Radiative Transitions to η_c . <i>Physical Review Letters</i> , 2009 , 102, 011801	7.4	59
877	Suppression and azimuthal anisotropy of prompt and nonprompt [Formula: see text] production in PbPb collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 252	4.2	58
876	Search for top-quark partners with charge 5/3 in the same-sign dilepton final state. <i>Physical Review Letters</i> , 2014 , 112, 171801	7.4	58
875	First observation of a $\chi(1D)$ state. <i>Physical Review D</i> , 2004 , 70,	4.9	58
874	Determination of Γ_s from hadronic event shapes measured on the Z0 resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 284, 471-481	4.2	58
873	Search for top-squark pairs decaying into Higgs or Z bosons in pp collisions at \sqrt{s} =8TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 371-397	4.2	57
872	Search for anomalous ($\overline{t}t$) production in the highly-boosted all-hadronic final state. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	57
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870	Measurement of the isolated prompt photon production cross section in pp collisions at \sqrt{s} =7 TeV. <i>Physical Review Letters</i> , 2011 , 106, 082001	7.4	57

869	Study of exclusive two-photon production of $W+W$ in pp collisions at $(\sqrt{s}=7)$ TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	56
868	Measurement of the $W+W$ cross section in pp collisions at $(\sqrt{s} = 7)$ TeV and limits on anomalous WW and WWZ couplings. <i>European Physical Journal C</i> , 2013 , 73, 1	4-2	56
867	Search for pair production of third-generation scalar leptoquarks and top squarks in proton-proton collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 739, 229-249	4-2	56
866	Long-range and short-range dihadron angular correlations in central PbPb collisions at $(\sqrt{s_{NN}}) = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	56
865	Measurement of α_s and a new limit for α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 396, 327-337	4-2	56
864	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. <i>European Physical Journal C</i> , 2015 , 75, 251	4-2	55
863	Search for single top production at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 549, 290-300	4-2	55
862	On the Origin of Exponential Disks at High Redshift. <i>Astrophysical Journal</i> , 2005 , 634, 101-108	4-7	55
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860	Measurement of inclusive W and Z boson production cross sections in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 191802	7-4	54
859	Evidence for associated production of a single top quark and W boson in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2013 , 110, 022003	7-4	54
858	Precision measurement of the mass of the $hc(1P1)$ state of charmonium. <i>Physical Review Letters</i> , 2008 , 101, 182003	7-4	54
857	Observation of $\psi(3770) \rightarrow \pi\pi J/\psi$ and measurement of $\Gamma_{ee}[\psi(2S)]$. <i>Physical Review Letters</i> , 2006 , 96, 082004	7-4	54
856	Reactivity and chemical synthesis of L-pyrrolysine- the 22(nd) genetically encoded amino acid. <i>Chemistry and Biology</i> , 2004 , 11, 1317-24		54
855	Search for a vectorlike quark with charge $2/3$ in $t+Z$ events from pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 271802	7-4	53
854	Search for $D^0\bar{D}^0$ mixing in the Dalitz plot analysis of $D^0 \rightarrow KS^0\pi^0$. <i>Physical Review D</i> , 2005 , 72,	4-9	53
853	Search for $(B_{s,d}^0 \rightarrow \tau^+\tau^-)$ and $B^0 \rightarrow \tau^+\tau^-$ decays. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	52
852	Interpretation of searches for supersymmetry with simplified models. <i>Physical Review D</i> , 2013 , 88,	4-9	52

851	Measurement of $\sigma(e^+e^- \rightarrow \psi(3770) \rightarrow \text{hadrons})$ at $\sqrt{s}=3773$ MeV. <i>Physical Review Letters</i> , 2006 , 96, 092002	7.4	52
850	Search for heavy isosinglet neutrino in e^+e^- annihilation at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001 , 517, 67-74	4.2	52
849	Observation of $B \rightarrow \phi K$ and $B \rightarrow \phi K^*$. <i>Physical Review Letters</i> , 2001 , 86, 3718-21	7.4	52
848	A test of QCD based on 4-jet events from Z^0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 248, 227-234	4.2	52
847	Measurement of inclusive production of neutral hadrons from Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 328, 223-233	4.2	51
846	Measurement of $Z^0 \rightarrow b$ decay properties. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 241, 416-424	4.2	51
845	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2015 , 75, 147	4.2	50
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843	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s}=7$ TeV and first determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	50
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840	Charm meson spectra in e^+e^- annihilation at 10.5 GeV center of mass energy. <i>Physical Review D</i> , 2004 , 70,	4.9	50
839	Observation of the P11 state of charmonium. <i>Physical Review D</i> , 2005 , 72,	4.9	50
838	Measurement of cross sections and leptonic forward-backward asymmetries at the Z pole and determination of electroweak parameters. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994 , 62, 551-573		50
837	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2469	4.2	49
836	Measurements of $t\bar{t}$ spin correlations and top-quark polarization using dilepton final states in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 182001	7.4	49
835	Search for new physics with a monojet and missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 201804	7.4	49
834	Measurement of the anomalous magnetic and electric dipole moments of the tau lepton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 434, 169-179	4.2	49

833	Precision determination of the D_0 mass. <i>Physical Review Letters</i> , 2007 , 98, 092002	7.4	49
832	Search for charginos and neutralinos in e^+e^- collisions at $\sqrt{s} = 189$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 472, 420-433	4.2	49
831	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>European Physical Journal C</i> , 2015 , 75, 237	4.2	48
830	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	48
829	Measurement of the $(\bar{t}t)$ production cross section and the top quark mass in the dilepton channel in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	48
828	Radiative decays of the $\Upsilon(1S)$ to a pair of charged hadrons. <i>Physical Review D</i> , 2006 , 73,	4.9	48
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826	Search for manifestations of new physics in fermion-pair production at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 489, 81-92	4.2	48
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824	Study of the decay $B^0 \rightarrow D^0 \pi^0$. <i>Physical Review Letters</i> , 1989 , 63, 1667-1670	7.4	47
823	Study of $\pi^+ \pi^-$ transitions from the Upsilon (3S). <i>Physical Review Letters</i> , 1987 , 58, 307-310	7.4	47
822	Search for flavor-changing neutral currents in top-quark decays $t \rightarrow Zq$ in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 171802	7.4	46
821	Measurement of the relative prompt production rate of t and \bar{t} in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2012 , 72, 2251	4.2	46
820	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	46
819	Search for new physics with jets and missing transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	46
818	Search for new physics in energetic single photon production in e^+e^- annihilation at the Z resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 412, 201-209	4.2	46
817	Photon transitions in Upsilon(2S) and Upsilon(3S) decays. <i>Physical Review Letters</i> , 2005 , 94, 032001	7.4	46
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814	Charged-Particle Multiplicities in B-Meson Decay. <i>Physical Review Letters</i> , 1982 , 49, 357-360	7.4	46
813	Exclusive $B \rightarrow B^* \mu \mu$ production in proton-proton collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	45
812	Search for the associated production of the Higgs boson with a top-quark pair. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	45
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810	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2283	4.2	45
809	Measurement of the differential cross section for isolated prompt photon production in pp collisions at 7 TeV. <i>Physical Review D</i> , 2011 , 84,	4.9	45
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807	Measurements of cross sections and forward-backward asymmetries at the Z resonance and determination of electroweak parameters. <i>European Physical Journal C</i> , 2000 , 16, 1-40	4.2	45
806	Search for low scale gravity effects in e^+e^- collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 464, 135-144	4.2	45
805	Measurement of the X(3872) production cross section via decays to $J/\psi \pi \pi$ in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	44
804	Measurement of the σ_{had} . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 101-125	4.2	44
803	Search for heavy bottom-like quarks in 4.9 fb $^{-1}$ of pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	44
802	Charged particle transverse momentum spectra in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	44
801	First measurement of Bose-Einstein correlations in proton-proton collisions at $\sqrt{s}=0.9$ and 2.36 TeV at the LHC. <i>Physical Review Letters</i> , 2010 , 105, 032001	7.4	44
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795	Search for the neutral Higgs bosons of the minimal supersymmetric standard model from Z_0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 251, 311-320	4.2	44
794	High-statistics study of $\psi(2S) \rightarrow \mu\mu(1S)$. <i>Physical Review D</i> , 1984 , 30, 1433-1439	4.9	44
793	Measurement of the (\overline{t}) production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	43
792	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	43
791	Search for leptonic decays of W^\pm bosons in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	43
790	Study of the hadronic photon structure function F_2 at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 436, 403-416	4.2	43
789	Observation of $\psi(770) \rightarrow \mu\mu$. <i>Physical Review D</i> , 2006 , 74,	4.9	43
788	$f_1(1285)$ formation in two-photon collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 526, 269-277	4.2	43
787	Search for neutralinos in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 350, 109-119	4.2	43
786	Event activity dependence of $(Y)(nS)$ production in $(\sqrt{s_{NN}}) = 5.02$ TeV pPb and $(\sqrt{s}) = 2.76$ TeV pp collisions. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	42
785	Measurement of the α_s . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 720, 83-104	4.2	42
784	Measurement of the weak mixing angle with the Drell-Yan process in proton-proton collisions at the LHC. <i>Physical Review D</i> , 2011 , 84,	4.9	42
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778	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. <i>European Physical Journal C</i> , 2015 , 75, 186	4.2	4 ¹
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775	Inclusive search for supersymmetry using razor variables in pp collisions at $\sqrt{s}=7\text{TeV}$. <i>Physical Review Letters</i> , 2013 , 111, 081802	7.4	4 ¹
774	Search for pair-produced dijet resonances in four-jet final states in pp collisions at $\sqrt{s} = 7\text{TeV}$. <i>Physical Review Letters</i> , 2013 , 110, 141802	7.4	4 ¹
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771	Search for extra dimensions in boson and fermion pair production in e^+e^- interactions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 470, 281-288	4.2	4 ¹
770	Search for the neutral Higgs boson in Z_0 decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 248, 203-210	4.2	4 ¹
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768	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $(\sqrt{s}=13)\text{TeV}$. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4 ⁰
767	Search for pair production of third-generation leptoquarks and top squarks in pp collisions at $\sqrt{s} = 7\text{TeV}$. <i>Physical Review Letters</i> , 2013 , 110, 081801	7.4	4 ⁰
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759	Two-body decays of B mesons. <i>Physical Review D</i> , 1984 , 30, 2279-2294	4.9	40
758	Studies of jet mass in dijet and W/Z + jet events. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	39
757	Study of the underlying event at forward rapidity in pp collisions at ($\sqrt{s}=0.9, 2.76, \text{and } 7 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	39
756	Measurement of the ZZ production cross section and search for anomalous couplings in $2\gamma\gamma$ final states in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	39
755	Search for a Higgs boson decaying into a b-quark pair and produced in association with b quarks in proton-proton collisions at 7 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 722, 207-232	4.2	39
754	Search for same-sign top-quark pair production at ($\sqrt{s} = 7$) TeV and limits on flavour changing neutral currents in the top sector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	39
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751	Search for new physics in events with same-sign dileptons and jets in pp collisions at ($\sqrt{s} = 8$) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	38
750	Search for microscopic black holes in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	38
749	Search for top squark and Higgsino production using diphoton Higgs boson decays. <i>Physical Review Letters</i> , 2014 , 112, 161802	7.4	38
748	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	38
747	Search for stopped Gluinos in pp collisions at square root $s=7$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 011801	7.4	38
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744	Decay $D^0 \rightarrow \phi K^0$. <i>Physical Review Letters</i> , 1986 , 56, 1893-1896	7.4	38

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742	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 288	4.2	37
741	Measurement of the differential cross section and charge asymmetry for inclusive [Formula: see text] production at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2016 , 76, 469	4.2	37
740	Measurement of associated W + charm production in pp collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	37
739	Jet production rates in association with W and Z bosons in pp collisions at (\sqrt{s}) = 7 {text{TeV}}). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	37
738	Measurement of masses in the [Formula: see text] system by kinematic endpoints in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2494	4.2	37
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735	Measurement of the polarization of W bosons with large transverse momenta in W + jets events at the LHC. <i>Physical Review Letters</i> , 2011 , 107, 021802	7.4	37
734	Search for charged Higgs bosons at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 575, 208-220	4.2	37
733	Determination of β_s from energy-energy correlations measured on the Z0 resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 257, 469-478	4.2	37
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730	Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , 2018 , 78, 509	4.2	37
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725	Absolute branching fraction measurements of exclusive D^0 semileptonic decays. <i>Physical Review Letters</i> , 2005 , 95, 181802	7.4	36
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723	High mass photon pairs in ZZ events at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 295, 337-346	4.2	36
722	Measurement of σ_{had} from hadronic decays of the Z. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 307, 237-246	4.2	36
721	A measurement of the Z^0 leptonic partial widths and the vector and axial vector coupling constants. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 238, 122-130	4.2	36
720	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 451	4.2	36
719	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 13	4.2	35
718	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	35
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716	Searches for light- and heavy-flavour three-jet resonances in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 730, 193-214	4.2	35
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702	Search for heavy stable charged particles in pp collisions at ($\sqrt{s} = 7;\text{TeV}$). <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	34
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652	Decay of B Mesons into Charged and Neutral Kaons. <i>Physical Review Letters</i> , 1982 , 48, 1070-1074	7.4	31
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634	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3129	4.2	29
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592	Observation of Radiative Decays of the $\psi(2S)$. <i>Physical Review Letters</i> , 1984 , 52, 799-803	7.4	26
591	Measurement of the W-boson helicity in top-quark decays from $(\overline{\text{t}})$ production in lepton+jets events in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	25
590	Search for top squark pair production in pp collisions at $(\sqrt{s}=13)$ TeV using single lepton events. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	25
589	Measurements of the $[\text{Formula: see text}][\text{Formula: see text}]$ production cross sections in the $[\text{Formula: see text}]$ channel in proton-proton collisions at $[\text{Formula: see text}]$ and $[\text{Formula: see text}]$ and combined constraints on triple gauge couplings. <i>European Physical Journal C</i> , 2015 , 75, 511	4.2	25
588	Search for resonant $(\overline{\text{t}})$ production in lepton+jets events in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	25
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572	Measurement of inclusive jet production and nuclear modifications in pPb collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 372	4.2	24
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456	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 364	4.2	18

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418	Measurement of the branching fractions for $J/\psi \rightarrow \mu\mu$ <i>Physical Review D</i> , 2005 , 71,	4.9	17
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403	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	5.4	16
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398	Study of resonance formation in the mass region 1400–1500 MeV through the reaction $\bar{D}^* K^0 K^0 \bar{D}^*$. <i>Journal of High Energy Physics</i> , 2007 , 2007, 018-018	5.4	16
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374	Search for the standard model Higgs boson in $e+e\bar{e}$ interactions at GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 431, 437-450	4.2	15
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368	Z boson pair-production at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003 , 572, 133-144	4.2	15
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356	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 460	4.2	14
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339	Measurement of the top quark mass in the all-jets final state at $\sqrt{s} = 1.6$ TeV and combination with the lepton+jets channel. <i>European Physical Journal C</i> , 2019 , 79, 313	4.2	13
338	Probing color coherence effects in pp collisions at $\sqrt{s} = 1.6$ TeV. <i>European Physical Journal C</i> , 2014 , 74, 2901	4.2	13
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318	Search for a neutral Higgs boson in B-meson decay. <i>Physical Review D</i> , 1989 , 40, 712-720	4.9	13
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314	Measurement of the top quark mass with lepton+jets final states using collisions at. <i>European Physical Journal C</i> , 2018 , 78, 891	4.2	13
313	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 280	4.2	12
312	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	12

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309	Search for quark compositeness in dijet angular distributions from pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	12
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302	Measurement of exclusive baryon-antibaryon decays of Ξ mesons. <i>Physical Review D</i> , 2008 , 78,	4.9	12
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299	Ξ decays to $h+h\bar{0}$. <i>Physical Review D</i> , 2007 , 75,	4.9	12
298	Λ and Σ pair production in two-photon collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002 , 536, 24-33	4.2	12
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282	Measurement of jet multiplicity distributions in [Formula: see text] production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3014	4.2	11
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265	Measurement of the $e^+e^- \rightarrow Z \rightarrow b\bar{b}$ forward-backward asymmetry and the $B^0 \bar{B}^0$ mixing parameter using prompt leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 448, 152-162	4.2	11
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262	Search for new particles in hadronic events with isolated photons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 388, 409-418	4.2	11
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247	Search for excited leptons in $e+e^-$ annihilation at $\sqrt{s}=161$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 401, 139-149	4.2	10
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243	Search for new physics phenomena in fermion-pair production at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 433, 163-175	4.2	10
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241	Suppressed decays of $D(s)(+)$ mesons to two pseudoscalar mesons. <i>Physical Review Letters</i> , 2007 , 99, 191805	7.4	10
240	Measurement of hadron and lepton-pair production in $e+e^-$ collisions at ($\sqrt{s}=192-208$ GeV) at LEP. <i>European Physical Journal C</i> , 2006 , 47, 1-19	4.2	10

239	Muon-pair and tau-pair production in two-photon collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 585, 53-62	4.2	10
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229	Measurement of π production in two and three-jet events from hadronic Z decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 371, 126-136	4.2	10
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218	Search for R-parity breaking sneutrino exchange at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 414, 373-381	4.2	9
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189	Swelling phenomena in anode wires aging under a high accumulated dose. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003 , 515, 266-277	1.2	8
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183	A study of four-fermion processes at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 321, 283-294	4.2	8
182	Search for lepton flavour violation in Z^0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 271, 453-460	4.2	8
181	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	8
180	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 92	4.2	7
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174	Search for colour singlet and colour reconnection effects in hadronic Z decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004 , 581, 19-30	4.2	7
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15	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at .. <i>European Physical Journal C</i> , 2022 , 82, 153	4.2	0
14	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at .. <i>European Physical Journal C</i> , 2022 , 82, 290	4.2	0
13	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. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
12	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
11	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	5.4	0
10	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	0
9	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	5.4	0
8	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	5.4	0
7	Study of the weak charged hadronic current in b decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 393, 477-486	4.2	
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- 4 Production of $n\bar{K}$ and $\bar{n}K$ in e^+e^- annihilations. *Physical Review D*, **1979**, 19, 1935-1949 4-9
- 3 The Decay of Heavy Flavor States in e^+e^- Annihilations **1983**, 387-403
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