

Peter Hobson

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845 papers	30,933 citations	76 h-index	136 g-index
895 ext. papers	34,326 ext. citations	4.7 avg, IF	6.7 L-index

#	Paper	IF	Citations
845	The CMS experiment at the CERN LHC. <i>Journal of Instrumentation</i> , 2008 , 3, S08004-S08004	1	1276
844	Precision electroweak measurements on the Z resonance. <i>Physics Reports</i> , 2006 , 427, 257-454	27.7	730
843	Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS and CMS Experiments. <i>Physical Review Letters</i> , 2015 , 114, 191803	7.4	709
842	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
841	Determination of jet energy calibration and transverse momentum resolution in CMS. <i>Journal of Instrumentation</i> , 2011 , 6, P11002-P11002	1	463
840	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
839	Performance of CMS muon reconstruction in pp collision events at $\sqrt{s} = 7$ TeV. <i>Journal of Instrumentation</i> , 2012 , 7, P10002-P10002	1	398
838	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
837	Identification of b-quark jets with the CMS experiment. <i>Journal of Instrumentation</i> , 2013 , 8, P04013-P04013	1	376
836	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
835	Observation of the rare $B(s)(0) \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015 , 522, 68-72	50.4	326
834	Study of high- p_T charged particle suppression in PbPb compared to pp collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76\text{--}4.76\text{--}5.02\text{--}5.44\text{--}6.3\text{--}7.4\text{--}8.76\text{--}13\text{--}13.6\text{--}14.3\text{--}15.1\text{--}16.9\text{--}20.1\text{--}27.6\text{--}27.9\text{--}39\text{--}50.2\text{--}63\text{--}76.2\text{--}80\text{--}100\text{--}130\text{--}136\text{--}150\text{--}169\text{--}200\text{--}276\text{--}279\text{--}390\text{--}502\text{--}630\text{--}762\text{--}800\text{--}1000\text{--}1300\text{--}1360\text{--}1500\text{--}1690\text{--}2000\text{--}2760\text{--}2790\text{--}3900\text{--}5020\text{--}6300\text{--}7620\text{--}8000\text{--}10000\text{--}13000\text{--}13600\text{--}15000\text{--}16900\text{--}20000\text{--}27600\text{--}27900\text{--}39000\text{--}50200\text{--}63000\text{--}76200\text{--}80000\text{--}100000\text{--}130000\text{--}136000\text{--}150000\text{--}169000\text{--}200000\text{--}276000\text{--}279000\text{--}390000\text{--}502000\text{--}630000\text{--}762000\text{--}800000\text{--}1000000\text{--}1300000\text{--}1360000\text{--}1500000\text{--}1690000\text{--}2000000\text{--}2760000\text{--}2790000\text{--}3900000\text{--}5020000\text{--}6300000\text{--}7620000\text{--}8000000\text{--}10000000\text{--}13000000\text{--}13600000\text{--}15000000\text{--}16900000\text{--}20000000\text{--}27600000\text{--}27900000\text{--}39000000\text{--}50200000\text{--}63000000\text{--}76200000\text{--}80000000\text{--}100000000\text{--}130000000\text{--}136000000\text{--}150000000\text{--}169000000\text{--}200000000\text{--}276000000\text{--}279000000\text{--}390000000\text{--}502000000\text{--}630000000\text{--}762000000\text{--}800000000\text{--}1000000000\text{--}1300000000\text{--}1360000000\text{--}1500000000\text{--}1690000000\text{--}2000000000\text{--}2760000000\text{--}2790000000\text{--}3900000000\text{--}5020000000\text{--}6300000000\text{--}7620000000\text{--}8000000000\text{--}10000000000\text{--}13000000000\text{--}13600000000\text{--}15000000000\text{--}16900000000\text{--}20000000000\text{--}27600000000\text{--}27900000000\text{--}39000000000\text{--}50200000000\text{--}63000000000\text{--}76200000000\text{--}80000000000\text{--}100000000000\text{--}130000000000\text{--}136000000000\text{--}150000000000\text{--}169000000000\text{--}200000000000\text{--}276000000000\text{--}279000000000\text{--}390000000000\text{--}502000000000\text{--}630000000000\text{--}762000000000\text{--}800000000000\text{--}1000000000000\text{--}1300000000000\text{--}1360000000000\text{--}1500000000000\text{--}1690000000000\text{--}2000000000000\text{--}2760000000000\text{--}2790000000000\text{--}3900000000000\text{--}5020000000000\text{--}6300000000000\text{--}7620000000000\text{--}8000000000000\text{--}10000000000000\text{--}13000000000000\text{--}13600000000000\text{--}15000000000000\text{--}16900000000000\text{--}20000000000000\text{--}27600000000000\text{--}27900000000000\text{--}39000000000000\text{--}50200000000000\text{--}63000000000000\text{--}76200000000000\text{--}80000000000000\text{--}100000000000000\text{--}130000000000000\text{--}136000000000000\text{--}150000000000000\text{--}169000000000000\text{--}200000000000000\text{--}276000000000000\text{--}279000000000000\text{--}390000000000000\text{--}502000000000000\text{--}630000000000000\text{--}762000000000000\text{--}800000000000000\text{--}1000000000000000\text{--}1300000000000000\text{--}1360000000000000\text{--}1500000000000000\text{--}1690000000000000\text{--}2000000000000000\text{--}2760000000000000\text{--}2790000000000000\text{--}3900000000000000\text{--}5020000000000000\text{--}6300000000000000\text{--}7620000000000000\text{--}8000000000000000\text{--}10000000000000000\text{--}13000000000000000\text{--}13600000000000000\text{--}15000000000000000\text{--}16900000000000000\text{--}20000000000000000\text{--}27600000000000000\text{--}27900000000000000\text{--}39000000000000000\text{--}50200000000000000\text{--}63000000000000000\text{--}76200000000000000\text{--}80000000000000000\text{--}100000000000000000\text{--}130000000000000000\text{--}136000000000000000\text{--}150000000000000000\text{--}169000000000000000\text{--}200000000000000000\text{--}276000000000000000\text{--}279000000000000000\text{--}390000000000000000\text{--}502000000000000000\text{--}630000000000000000\text{--}762000000000000000\text{--}800000000000000000\text{--}1000000000000000000\text{--}1300000000000000000\text{--}1360000000000000000\text{--}1500000000000000000\text{--}1690000000000000000\text{--}2000000000000000000\text{--}2760000000000000000\text{--}2790000000000000000\text{--}3900000000000000000\text{--}5020000000000000000\text{--}6300000000000000000\text{--}7620000000000000000\text{--}8000000000000000000\text{--}10000000000000000000\text{--}13000000000000000000\text{--}13600000000000000000\text{--}15000000000000000000\text{--}16900000000000000000\text{--}20000000000000000000\text{--}27600000000000000000\text{--}27900000000000000000\text{--}39000000000000000000\text{--}50200000000000000000\text{--}630000000000000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828	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
827	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
826	Measurement of the Z^0 mass and width with the opal detector at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989 , 231, 530-538	4.2	204
825	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
824	GridPP: development of the UK computing Grid for particle physics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006 , 32, N1-N20	2.9	191
823	Suppression of non-prompt J/ψ prompt J/ψ and (Υ) (1S) in PbPb collisions at ($\sqrt{s_{NN}} = 2.76$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	184
822	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
821	Observation of sequential Υ suppression in PbPb collisions. <i>Physical Review Letters</i> , 2012 , 109, 222301	7.4	172
820	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
819	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
818	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
817	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 421	4.2	153
816	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
815	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review C</i> , 2013 , 87,	2.7	148
814	A measurement of global event shape distributions in the hadronic decays of the Z^0 . <i>Zeitschrift für Physik C-Particles and Fields</i> , 1990 , 47, 505-521		146
813	Evidence for Collective Multiparticle Correlations in p-Pb Collisions. <i>Physical Review Letters</i> , 2015 , 115, 012301	7.4	145
812	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
811	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

810	Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of Instrumentation</i> , 2015 , 10, P08010-P08010	1	141
809	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $(\sqrt{s} = 0.9, 2.76, \sqrt{s} \sim 7 \text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	133
808	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
807	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
806	Performance of the CMS muon detector and muon reconstruction with proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , 2018 , 13, P06015-P06015	1	118
805	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
804	Search for dijet resonances in 7 TeV pp collisions at CMS. <i>Physical Review Letters</i> , 2010 , 105, 211801	7.4	116
803	Search for dark matter and large extra dimensions in pp collisions yielding a photon and missing transverse energy. <i>Physical Review Letters</i> , 2012 , 108, 261803	7.4	116
802	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
801	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
800	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2012 , 109, 171803	7.4	111
799	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
798	A study of coherence of soft gluons in hadron jets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 247, 617-628	4.2	108
797	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
796	Measurement of differential top-quark-pair production cross sections in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	102
795	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
794	Search for a light charged Higgs boson in top quark decays in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	101
793	CMS tracking performance results from early LHC operation. <i>European Physical Journal C</i> , 2010 , 70, 116541-116592	1.92	99

792	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
791	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
790	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2016 , 116, 071801	7.4	96
789	Observation of $t\bar{t}$ Production. <i>Physical Review Letters</i> , 2018 , 120, 231801	7.4	96
788	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
787	Missing transverse energy performance of the CMS detector. <i>Journal of Instrumentation</i> , 2011 , 6, P09001-P09004	1	94
786	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
785	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
784	Search for the minimal standard model Higgs boson in e^+e^- collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 253, 511-523	4.2	92
783	Measurement of Long-Range Near-Side Two-Particle Angular Correlations in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2016 , 116, 172302	7.4	90
782	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
781	A study of jet production rates and a test of QCD on the Z0 resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 235, 389-398	4.2	88
780	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
779	Performance of the CMS missing transverse momentum reconstruction in pp data at $\sqrt{s}=8$ TeV. <i>Journal of Instrumentation</i> , 2015 , 10, P02006-P02006	1	84
778	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
777	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
776	Performance of \bar{b} -lepton reconstruction and identification in CMS. <i>Journal of Instrumentation</i> , 2012 , 7, P01001-P01001	1	81
775	Measurement of the production rates of charged hadrons in e^+e^- annihilation at the Z0. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994 , 63, 181-195		79

774	Observation of Higgs Boson Decay to Bottom Quarks. <i>Physical Review Letters</i> , 2018 , 121, 121801	7.4	79
773	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
772	A study of charged particle multiplicities in hadronic decays of the Z ⁰ . <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 53, 539-554		78
771	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
770	Searches for new physics using the $t\bar{t}$ invariant mass distribution in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2013 , 111, 211804	7.4	76
769	A search for acoplanar pairs of leptons or jets in Z ⁰ decays. Mass limits on supersymmetric particles. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 240, 261-270	4.2	76
768	Reconstruction and identification of τ lepton decays to hadrons and τ at CMS. <i>Journal of Instrumentation</i> , 2016 , 11, P01019-P01019	1	75
767	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
766	Searches for invisible decays of the Higgs boson in pp collisions at (\sqrt{s}) = 7, 8, and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	74
765	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
764	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at ($\sqrt{s_{\mathrm{NN}}}$) = 2.76 TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	73
763	Observations of B^0 charge-flavor correlations and resonant B^0 and B_K production. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 66, 19-29		73
762	QCD studies with e^+e^- annihilation data at 130 and 136 GeV. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 72, 191-206		73
761	Observation of Charge-Dependent Azimuthal Correlations in p-Pb Collisions and Its Implication for the Search for the Chiral Magnetic Effect. <i>Physical Review Letters</i> , 2017 , 118, 122301	7.4	72
760	Mass limits for a standard model Higgs Boson in e^+e^- collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 236, 224-232	4.2	72
759	Study of the production of charged pions, kaons, and protons in pPb collisions at [Formula: see text]5.02[Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 2847	4.2	71
758	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
757	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

756	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
755	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
754	A combined analysis of the hadronic and leptonic decays of the Z0. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 240, 497-512	4.2	70
753	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	69
752	J/ ψ and Υ (S) production in pp collisions at ($\sqrt{s}=7$ TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	69
751	Measurement of branching ratios and polarization from $\tau \rightarrow \mu \nu \nu$ decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 266, 201-217	4.2	69
750	A study of differences between quark and gluon jets using vertex tagging of quark jets. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993 , 58, 387-403		68
749	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at ($\sqrt{s_{\mathrm{NN}}}=5.02$) (TeV). <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	67
748	Search for vectorlike charge 2/3 T quarks in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	66
747	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
746	Search for anomalous production of multilepton events in pp collisions at ($\sqrt{s}=7$, TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	65
745	A study of the recombination scheme dependence of jet production rates and of π^0 (M_{Z^0}) in hadronic Z0 decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1991 , 49, 375-384		65
744	Charged-particle nuclear modification factors in PbPb and pPb collisions at ($\sqrt{s_{\mathrm{NN}}}=5.02$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	64
743	Measurement of the ($\overline{t}t$) 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
742	A search for lepton flavour violating Z0 decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 67, 555-563		64
741	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
740	QCD studies using a cone-based jet finding algorithm for e^+e^- collisions at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994 , 63, 197-211		63
739	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

738	Search for Heavy Neutral Leptons in Events with Three Charged Leptons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 221801	7.4	62
737	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
736	Evidence of b-jet quenching in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review Letters</i> , 2014 , 113, 132301	7.4	62
735	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
734	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
733	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
732	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
731	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
730	A determination of $\sigma(M_{Z^0})$ at LEP using resummed QCD calculations. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993 , 59, 1-19		59
729	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
728	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
727	Measurement of the cross sections of the reactions $e+e \rightarrow \mu+\mu$ and $e+e \rightarrow \tau+\tau$ at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 257, 531-540	4.2	58
726	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
725	Observation of a new Λ baryon. <i>Physical Review Letters</i> , 2012 , 108, 252002	7.4	57
724	A global determination of $\alpha_s(M_{Z^0})$ at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 55, 1-24		57
723	Measurements of $(B^0 - \bar{B}^0)$ mixing, $\frac{\Gamma(Z^0 \rightarrow b\bar{b})}{\Gamma(Z^0 \rightarrow \text{hadrons})}$ and semileptonic branching ratios for b-flavoured hadrons in hadronic Z^0 decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993 , 60, 199-216		57
722	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
721	Measurement of the $W+W$ cross section in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ and limits on anomalous WW and WWZ couplings. <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	56

720	Long-range and short-range dihadron angular correlations in central PbPb collisions at ($\sqrt{s_{\text{NN}}}$) = 2.76 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	56
719	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
718	Measurement of the pseudorapidity and centrality dependence of the transverse energy density in Pb-Pb collisions at ($\sqrt{s_{\text{NN}}}$)=2.76 TeV. <i>Physical Review Letters</i> , 2012 , 109, 152303	7-4	55
717	Search for new phenomena with the variable in the all-hadronic final state produced in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 710	4-2	54
716	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
715	A study of Bose-Einstein correlations in e+e- annihilations at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 267, 143-153	4-2	54
714	Search for signatures of extra dimensions in the diphoton mass spectrum at the large hadron collider. <i>Physical Review Letters</i> , 2012 , 108, 111801	7-4	53
713	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
712	An application of the GEANT3 geometry package to the description of the opal detector. <i>Computer Physics Communications</i> , 1987 , 47, 55-74	4-2	53
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710	A search for pair production of new light bosons decaying into muons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 752, 146-168	4-2	51
709	Search for a light pseudoscalar Higgs boson in the dimuon decay channel in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2012 , 109, 121801	7-4	51
708	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 147	4-2	50
707	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. <i>European Physical Journal C</i> , 2013 , 73, 1	4-2	50
706	A study of heavy flavour production using muons in hadronic Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 263, 311-324	4-2	50
705	Search for narrow and broad dijet resonances in proton-proton collisions at ($\sqrt{s}=13$) TeV and constraints on dark matter mediators and other new particles. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	50
704	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
703	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

702	A search for the top and b? quarks in hadronic Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 236, 364-374	4.2	49
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700	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 237	4.2	48
699	Search for resonant tt production in proton-proton collisions at s=8 TeV. <i>Physical Review D</i> , 2016 , 93,	4.9	48
698	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
697	Measurement of the ((t t-bar)) 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
696	Measurement of the B0 production cross section in pp collisions at sqrt{s} = 7 TeV. <i>Physical Review Letters</i> , 2011 , 106, 252001	7.4	48
695	Dijet azimuthal decorrelations in pp collisions at s=7 TeV. <i>Physical Review Letters</i> , 2011 , 106, 122003	7.4	48
694	Simultaneous in-line and off-axis subsea holographic recording of plankton and other marine particles. <i>Measurement Science and Technology</i> , 2001 , 12, L9-L15	2	47
693	Test of CP-invariance in e+e- to Z0 h and a limit on the weak dipole moment of the lepton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 281, 405-415	4.2	47
692	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	46
691	Measurement of the relative prompt production rate of and in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2251	4.2	46
690	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
689	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
688	Measurement of the time dependence of mixing using a jet charge technique. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 327, 411-424	4.2	46
687	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at (sqrt{s}=13) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	45
686	Exclusive tt production in proton-proton collisions at (sqrt{s} = {7}) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	45
685	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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683	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
682	Measurement of dijet angular distributions and search for quark compositeness in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 201804	7.4	45
681	Search for supersymmetry in pp collisions at \sqrt{s} TeV in events with two photons and missing transverse energy. <i>Physical Review Letters</i> , 2011 , 106, 211802	7.4	45
680	A measurement of the production of $D^*\pi$ mesons on the Z0 resonance. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 67, 27-44		45
679	A search for scalar leptoquarks in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 263, 123-134	4.2	45
678	A measurement of strange baryon production in hadronic Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 291, 503-518	4.2	45
677	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
676	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
675	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
674	Measurement of the ($\overline{t}t$) 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
673	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
672	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
671	A study of Ks0 production in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 264, 467-475	4.2	43
670	Event activity dependence of (Υ)(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
669	Search for heavy neutrinos and W(R) bosons with right-handed couplings in a left-right symmetric model in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2012 , 109, 261802	7.4	42
668	Evidence for b-flavoured baryon production in Z0 decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 281, 394-404	4.2	42
667	Search for additional neutral MSSM Higgs bosons in the $\tau\tau$ final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	42

666	Measurement of J/ψ and $\psi(2S)$ Prompt Double-Differential Cross Sections in pp Collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2015 , 114, 191802	7.4	4 ¹
665	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
664	Measurement of prompt J/ψ pair production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	4 ¹
663	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	4 ¹
662	Search for pair-produced dijet resonances in four-jet final states in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2013 , 110, 141802	7.4	4 ¹
661	A model independent observation of the string effect using quark tagging at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991 , 261, 334-346	4.2	4 ¹
660	Limits on neutral heavy lepton production from Z^0 decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 247, 448-457	4.2	4 ¹
659	Measurement of the inelastic proton-proton cross section at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4 ¹
658	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	4 ⁰
657	Search for scalar top and scalar bottom quarks at $\sqrt{s} = 189$ GeV at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 456, 95-106	4.2	4 ⁰
656	Evidence for final state photons in multihadronic decays of the Z^0 . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 246, 285-296	4.2	4 ⁰
655	Studies of jet mass in dijet and $W/Z + \text{jet}$ events. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	39
654	Study of the underlying event at forward rapidity in pp collisions at $(\sqrt{s}=0.9, 2.76, 7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	39
653	Measurement of the ZZ production cross section and search for anomalous couplings in $2\ell\ell$ final states in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	39
652	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
651	An upper limit on the anomalous magnetic moment of the τ lepton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 431, 188-198	4.2	39
650	Search for natural and split supersymmetry in proton-proton collisions at $(\sqrt{s}=13)$ TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	39
649	Measurement of Prompt D^0 Meson Azimuthal Anisotropy in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 202301	7.4	39

648	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
647	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
646	Measurement of prompt $\Upsilon(2S)$ to J/ψ yield ratios in Pb-Pb and p-p collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review Letters</i> , 2014 , 113, 262301	7-4	38
645	Search for top squark and Higgsino production using diphoton Higgs boson decays. <i>Physical Review Letters</i> , 2014 , 112, 161802	7-4	38
644	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
643	Evidence for chain-like production of strange baryon pairs in jets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 305, 415-427	4-2	38
642	A measurement of energy correlations and a determination of $\Upsilon(2S)$ e+e- annihilations at $\sqrt{s}=91$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 252, 159-169	4-2	38
641	Measurements of the decay of the Z^0 into lepton pairs. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 235, 379-388	4-2	38
640	Measurement of the [Formula: see text] cross section in pp collisions at [Formula: see text] TeV and limits on anomalous gauge couplings. <i>European Physical Journal C</i> , 2016 , 76, 401	4-2	38
639	Measurement of the B^0 Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2017 , 119, 152301	7-4	37
638	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
637	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
636	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
635	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
634	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
633	Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	37
632	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $(\sqrt{s} = 8)$ TeV by the CMS and TOTEM experiments. <i>European Physical Journal C</i> , 2014 , 74, 1	4-2	37
631	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

630	Measurement of $ V_{cb} $ using decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 482, 15-30	4.2	37
629	A measurement of the Γ mass and the first CPT test with Π leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000 , 492, 23-31	4.2	37
628	A study of charm hadron production in $(Z^0 \rightarrow c\bar{c})$ and $(Z^0 \rightarrow b\bar{b})$ decays at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 72, 1-16		37
627	Inclusive neutral vector meson production in hadronic Z^0 decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992 , 56, 521-535		37
626	Evidence for the existence of the strange b-flavoured meson B_s^0 in Z^0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1992 , 295, 357-370	4.2	37
625	Measurement of $(\Gamma(Z^0 \rightarrow b\bar{b})/\Gamma(Z^0 \rightarrow \text{hadrons}))$ using leptons. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993 , 58, 523-539		37
624	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	37
623	Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , 2018 , 78, 509	4.2	37
622	Search for the $X(5568)$ State Decaying into $B_s^0 \pi^0$ in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 202005	7.4	36
621	Measurement of the top-quark mass in $(\overline{\text{t}}\text{t})$ events with dilepton final states in pp collisions at $(\sqrt{s}=7 \text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1	4.2	36
620	First measurement of the underlying event activity at the LHC with $(\sqrt{s} = 0.9)$ TeV. <i>European Physical Journal C</i> , 2010 , 70, 555-572	4.2	36
619	Improved measurements of the neutral current from hadron and lepton production at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994 , 61, 19-34		36
618	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
617	Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 121803	7.4	35
616	Search for disappearing tracks in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	35
615	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
614	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
613	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	35

612	Search for top squarks in R-parity-violating supersymmetry using three or more leptons and b-tagged jets. <i>Physical Review Letters</i> , 2013 , 111, 221801	7.4	35
611	Measurement of the ($\mathbf{\bar{t}}$) production cross section in pp collisions at (\sqrt{s} =7) TeV using the kinematic properties of events with leptons and jets. <i>European Physical Journal C</i> , 2011 , 71, 1	4.2	35
610	Alignment of the CMS silicon tracker during commissioning with cosmic rays. <i>Journal of Instrumentation</i> , 2010 , 5, T03009-T03009	1	35
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608	A study of b quark fragmentation into B0 and B+ mesons at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 364, 93-106	4.2	35
607	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. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	34
606	Pseudorapidity distribution of charged hadrons in proton-proton collisions at \sqrt{s} =13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 751, 143-163	4.2	34
605	Search for new physics in same-sign dilepton events in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 439	4.2	34
604	Search for microscopic black holes in pp collisions at ($\sqrt{s} = \text{7 TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	34
603	Measurement of associated production of vector bosons and top quark-antiquark pairs in pp collisions at \sqrt{s} =7 TeV. <i>Physical Review Letters</i> , 2013 , 110, 172002	7.4	34
602	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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597	Search for decays of stopped long-lived particles produced in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 151	4.2	33
596	Search for new physics in events with same-sign dileptons and b jets in pp collisions at (\sqrt{s} =8) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	33
595	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at (\sqrt{s} =8) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	33

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593	Measurement of single photon production in e^+e^- collisions near the Z0 resonance. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 65, 47-65		33
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591	Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5-4	32
590	Search for resonances in the dilepton mass distribution in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	32
589	Search for supersymmetry in pp collisions at $(\sqrt{s}=7)$ TeV in events with a single lepton, jets, and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	32
588	Measurement of the Drell-Yan cross section in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5-4	32
587	Search for heavy charged particles and for particles with anomalous charge in e^+e^- collisions at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 67, 203-211		32
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582	Measurement of the Z0 line shape parameters and the electroweak couplings of charged leptons. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1991 , 52, 175-207		31
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580	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5-4	30
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578	Observation of Z decays to four leptons with the CMS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5-4	30
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569	Observation of $Y(1S)$ pair production in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	29
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565	Improved measurement of the lifetime of the τ lepton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 374, 341-350	4.2	29
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563	Search for vector-like T and B quark pairs in final states with leptons at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	29
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561	Search for heavy Majorana neutrinos in $e^+e^- \rightarrow \mu^+\mu^-$ jets and $e^+e^- \rightarrow \tau^+\tau^-$ jets events in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	28
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553	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	28
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549	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at ($\sqrt{s}=7$;TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	27
548	Measurement of ($\overline{B}B$) angular correlations based on secondary vertex reconstruction at ($\sqrt{s} = 7, \text{TeV}$). <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	27
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535	Measurement of the photon structure function F_2^{γ} at low x. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997 , 412, 225-234	4.2	26
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533	A measurement of charged particle multiplicity in $Z^0 \rightarrow c\bar{c}$ and $Z^0 \rightarrow b\bar{b}$ events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995 , 352, 176-186	4.2	26
532	Searches for neutral Higgs bosons in e^+e^- collisions at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1991 , 49, 1-15		26
531	Measurement of the W-boson helicity in top-quark decays from ($\overline{\text{t}}\text{t}$) production in lepton+jets events in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1	5.4	25
530	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
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526	A first measurement of the Λ and $\bar{\Lambda}$ spin compositions in hadronic Z^0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 384, 377-387	4.2	25
525	Studies of charged particle multiplicity in b quark events. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1994 , 61, 209-221		25
524	A measurement of $(892)^{\pm}$ production in hadronic Z^0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 305, 407-414	4.2	25
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522	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. <i>European Physical Journal C</i> , 2016 , 76, 371	4.2	25
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518	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 75	4.2	24
517	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
516	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2674	4.2	24
515	Alignment of the CMS tracker with LHC and cosmic ray data. <i>Journal of Instrumentation</i> , 2014 , 9, P06009-P06009	4.2	24
514	Measurement of the $Z/\gamma + b$ -jet cross section in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	24
513	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	24
512	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 4\ell$ channel in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	24
511	The production of neutral kaons in Z^0 decays and their Bose-Einstein correlations. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 67, 389-401		24
510	Multiplicity dependence of Bose-Einstein correlations in hadronic Z^0 decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 72, 389-398		24
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507	Search for excited leptons at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990 , 244, 135-142	4.2	24
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497	Measurement of the B^0 and B^+ lifetimes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993 , 307, 247-261	4.2	23
496	Search for third-generation scalar leptoquarks decaying to a top quark and a lepton at. <i>European Physical Journal C</i> , 2018 , 78, 707	4.2	23
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494	Measurement of the [Formula: see text] production cross section using events in the [Formula: see text] final state in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2017 , 77, 172	4.2	22
493	Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	22
492	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 845	4.2	22
491	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	22
490	Measurement of Bose-Einstein correlations in pp collisions at $(\sqrt{s} = 0.9)$ and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1	5.4	22
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481	Measurement of the top-quark mass in all-jets [Formula: see text] events in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2014 , 74, 2758	4.2	21
480	Measurement of the ($\mathrm{t}\bar{\mathrm{t}}$) production cross section in the $\ell\bar{\ell}$ jets channel in pp collisions at ($\sqrt{s}=7$ mbox{TeV}). <i>European Physical Journal C</i> , 2013 , 73, 1	4.2	21
479	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 578	4.2	21
478	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5.4	21
477	Search for a Higgs boson in the decay channel $H \rightarrow ZZ(*) \rightarrow q(\overline{q}) \ell\bar{\ell}$ in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1	5.4	21
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468	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	21
467	Measurement of [Formula: see text] production with additional jet activity, including [Formula: see text] quark jets, in the dilepton decay channel using pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 379	4.2	20
466	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 140	4.2	20
465	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at. <i>European Physical Journal C</i> , 2019 , 79, 564	4.2	20
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433	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two leptons and two jets in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	18

432	. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1	5.4	18
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340	Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	14
339	Search for supersymmetry in events with a τ lepton pair and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	14
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336	Measurement of the ratio of the production cross sections times branching fractions of $B \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^-$ and ($\text{mathcal{B}}\{\text{B}\}\text{left}\{\{\text{mathrm{B}}\}_{\text{mathrm{c}}}\wedge\{\text{pm}\}\text{to}\text{mathrm{J}}/\text{psi}\{\text{pi}\}\wedge\{\text{pm}\}\{\text{pi}\}\wedge\{\text{pm}\}\{\text{pi}\}\wedge\{\text{mp}\}\text{right}\}/\text{mathrm{mathcal{B}}}\{\text{B}\}\text{left}\{\{\text{mathrm{B}}\}_{\text{mathrm{c}}}\wedge\{\text{pm}\}\text{to}\text{mathrm{J}}/\text{psi}\{\text{pi}\}\wedge\{\text{pm}\}\{\text{pi}\}\wedge\{\text{mp}\}\text{right}\}$) in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	13
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197	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5-4	7
196	Search for supersymmetry in pp collisions at $(\sqrt{s}=13)$ TeV in the single-lepton final state using the sum of masses of large-radius jets. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
195	Measurement of top quark polarisation in t-channel single top quark production. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
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193	Measurement of the semileptonic $(\overline{\mathrm{t}}) + \bar{\nu}$ production cross section in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7
192	Searches for W' bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7
191	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	7
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188	A precise measurement of the tau polarization and its forward-backward asymmetry at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996 , 72, 365-375		7
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186	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5-4	7
185	Search for dark matter produced in association with a leptonically decaying boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 13	4-2	7
184	Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets in proton-proton collisions at $(\sqrt{s}=8)$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
183	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. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
182	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2\ell q$ final states at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7
181	Search for dark matter produced in association with a Higgs boson decaying to $\ell\bar{\nu} \ell\bar{\nu}$ ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	7

180	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
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178	Search for single production of vector-like quarks decaying to a top quark and a boson in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 90	4.2	6
177	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at ($\sqrt{s}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1	5.4	6
176	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in collisions at and 5.02. <i>European Physical Journal C</i> , 2020 , 80, 534	4.2	6
175	Measurement of electroweak production of a boson in association with two jets in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 43	4.2	6
174	Measurement of dijet azimuthal decorrelation in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 536	4.2	6
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164	Determination of event shape distributions and $\sigma b s$ from(Z^0 to $b\bar{b}$) events at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 65, 31-45		6
163	Measurement of the branching fraction of the radiative decay $B \rightarrow \gamma$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 388, 437-449	4.2	6

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160	QCD coherence studies using two particle azimuthal correlations. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993 , 58, 207-217		6
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155	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 893	4.2	6
154	Search for new physics in top quark production in dilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 886	4.2	6
153	Performance of four CVD diamond radiation sensors at high temperature. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020 , 958, 162486	1.2	6
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147	Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
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134	Comparisons of the properties of final state photons in hadronic Z^0 decays with predictions from matrix element calculations. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995 , 67, 15-26		5
133	A study of four-fermion final states with high multiplicity at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996 , 376, 315-328	4.2	5
132	Observation of exclusive decays of B mesons at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 337, 196-206	4.2	5
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129	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at. <i>European Physical Journal C</i> , 2021 , 81, 378	4.2	5
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116	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at. <i>European Physical Journal C</i> , 2018 , 78, 242	4-2	4
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114	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5-4	4
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111	Search for a heavy resonance decaying to a top quark and a vector-like top quark at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
110	Search for high-mass Z resonances in e^+e^- and $\mu^+\mu^-$ final states in proton-proton collisions at ($\sqrt{s}=8$) and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1	5-4	4
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95	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1	5.4	4
94	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at $(\sqrt{s}=13)$ TeV. <i>European Physical Journal C</i> , 2018 , 78, 1	4.2	4
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92	Search for the associated production of the Higgs boson and a vector boson in proton-proton collisions at $(\sqrt{s}) = 13$ TeV via Higgs boson decays to Ξ leptons. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	3
91	Search for direct pair production of supersymmetric partners to the lepton in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 189	4.2	3

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73	Measurement of the ($\overline{\mathrm{t}}\mathrm{t}$) production cross section in the dilepton channel in pp collisions at ($\sqrt{s} = 8$ TeV 2014 , 2014, 1		3

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70	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to e $\bar{\nu}$ final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	3
69	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 305	4.2	2
68	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	2
67	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	2
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