

# Seon Hee Seo

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

498  
papers

12,509  
citations

55  
h-index

85  
g-index

515  
ext. papers

15,190  
ext. citations

4.9  
avg, IF

4.72  
L-index

#	Paper	IF	Citations
498	Status and perspectives of neutrino physics. <i>Progress in Particle and Nuclear Physics</i> , <b>2022</b> , 103947	10.6	0
497	Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	2
496	Measurements of production cross sections and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 200	4.2	5
495	Dark photon search at Yemilab, Korea. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	0
494	Search for dark matter produced in association with a leptonically decaying boson in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 13	4.2	7
493	Evidence for Higgs boson decay to a pair of muons. <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1	5.4	14
492	Supernova Model Discrimination with Hyper-Kamiokande. <i>Astrophysical Journal</i> , <b>2021</b> , 916, 15	4.7	4
491	Search for decays of the 125 GeV Higgs boson into a Z boson and a $\tau$ meson. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
490	Measurements with silicon photomultipliers of dose-rate effects in the radiation damage of plastic scintillator tiles in the CMS hadron endcap calorimeter. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P06009-P06009	1	2
489	Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	1
488	Multiparticle correlation studies in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review C</i> , <b>2020</b> , 101,	2.7	2
487	Observation of reactor antineutrino disappearance using delayed neutron capture on hydrogen at RENO. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	3
486	Determination of the strong coupling constant $\alpha_S(m_Z)$ from measurements of inclusive $W$ and Z boson production cross sections in proton-proton collisions at $(\sqrt{s}) = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
485	Measurement of electroweak production of a boson in association with two jets in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 43	4.2	6
484	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , <b>2020</b> , 80, 4	4.2	61
483	Study of $J/\psi$ meson production inside jets in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 804, 135409	4.2	3
482	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> , <b>2020</b> , 2020, 1	5.4	7

481	A multi-dimensional search for new heavy resonances decaying to boosted $\chi$ , $\chi$ , or boson pairs in the dijet final state at 13 TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 237	4.2	10
480	Production of $\Xi^+$ baryons in proton-proton and lead-lead collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 803, 135328	4.2	11
479	Measurement of single-diffractive dijet production in proton-proton collisions at with the CMS and TOTEM experiments. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1164	4.2	0
478	Measurement of differential cross sections and charge ratios for $s$ -channel single top quark production in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 370	4.2	4
477	Measurement of $(\bar{t}t)$ normalised multi-differential cross sections in $(pp)$ collisions at $(\sqrt{s}=13, \text{TeV})$ , and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	13
476	Pulse-shape Discrimination of Fast Neutron Background using Convolutional Neural Network for NEOS II. <i>Journal of the Korean Physical Society</i> , <b>2020</b> , 77, 1118-1124	0.6	3
475	Observation of the $B^0 \rightarrow J/\psi \pi^0$ decay in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 802, 135203	4.2	5
474	Observation of electroweak production of $W\pi$ with two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 811, 135988	4.2	3
473	Observation of nuclear modifications in $W\pi$ boson production in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 800, 135048	4.2	9
472	Search for light pseudoscalar boson pairs produced from decays of the 125 GeV Higgs boson in final states with two muons and two nearby tracks in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 800, 135087	4.2	15
471	Measurement of the single top quark and antiquark production cross sections in the $t$ channel and their ratio in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 800, 135042	4.2	8
470	Strange hadron production in pp and pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review C</i> , <b>2020</b> , 101,	2.7	1
469	Theia: an advanced optical neutrino detector. <i>European Physical Journal C</i> , <b>2020</b> , 80, 1	4.2	29
468	Bose-Einstein correlations of charged hadrons in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	2
467	Experimental study of different silicon sensor options for the upgrade of the CMS Outer Tracker. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P04017-P04017	1	2
466	Measurement of the top quark pair production cross section in dilepton final states containing one $\tau$ lepton in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1	5.4	0
465	Combined search for supersymmetry with photons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2020</b> , 801, 135183	4.2	
464	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 773	4.2	0

463	Search for a Light Charged Higgs Boson Decaying to a W Boson and a CP-Odd Higgs Boson in Final States with $e\bar{\nu}$ in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 123, 131802	7.4	6
462	Studies of Beauty Suppression via Nonprompt $D^{\{0\}}$ Mesons in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 123, 022001	7.4	7
461	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 305	4.2	2
460	Measurement of electroweak WZ boson production and search for new physics in WZ + two jets events in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 795, 281-307	4.2	19
459	Evidence for light-by-light scattering in ultraperipheral PbPb collisions at $s_{NN}=5.02$ TeV. <i>Nuclear Physics A</i> , <b>2019</b> , 982, 791-794	1.3	6
458	Search for the chiral magnetic effect at the LHC with the CMS experiment. <i>Nuclear Physics A</i> , <b>2019</b> , 982, 527-530	1.3	1
457	Fragmentation of $J/\psi$ jets in pp collisions at $s=5.02$ TeV. <i>Nuclear Physics A</i> , <b>2019</b> , 982, 186-188	1.3	1
456	Multiparticle correlations and higher order harmonics in pPb collisions at $s_{NN}=8.16$ TeV. <i>Nuclear Physics A</i> , <b>2019</b> , 982, 375-378	1.3	
455	Measurement of anisotropic flow in XeXe collisions at 5.44 TeV with the CMS experiment. <i>Nuclear Physics A</i> , <b>2019</b> , 982, 395-398	1.3	
454	Beyond nPDFs effects: Prompt $J/\psi$ and $\psi(2S)$ production in pPb and pp collisions. <i>Nuclear Physics A</i> , <b>2019</b> , 982, 743-746	1.3	
453	A search for pair production of new light bosons decaying into muons in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 796, 131-154	4.2	16
452	Measurement of $B_s^0$ meson production in pp and PbPb collisions at $s_{NN}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 796, 168-190	4.2	5
451	Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
450	$D^0$ -Meson R in PbPb Collisions at $s_{NN}=5.02$ TeV and Elliptic Flow in pPb Collisions at $s_{NN}=8.16$ TeV with CMS. <i>Nuclear Physics A</i> , <b>2019</b> , 982, 647-650	1.3	1
449	Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 011803	7.4	7
448	Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 021801	7.4	22
447	Search for supersymmetric partners of electrons and muons in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 790, 140-166	4.2	24
446	Non-Gaussian elliptic-flow fluctuations in PbPb collisions at $s_{NN}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 789, 643-665	4.2	17

445	Measurement and interpretation of differential cross sections for Higgs boson production at $s=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 792, 369-396	4.2	18
444	Search for an $L$ gauge boson using $Z \rightarrow 4\ell$ events in proton-proton collisions at $s=13\text{ TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 792, 345-368	4.2	29
443	Search for a low-mass $\chi$ resonance in association with a bottom quark in proton-proton collisions at $(\sqrt{s}) = 13\text{ TeV}$ . <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	4
442	Search for the associated production of the Higgs boson and a vector boson in proton-proton collisions at $(\sqrt{s}) = 13\text{ TeV}$ via Higgs boson decays to $\ell\bar{\ell}$ leptons. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	3
441	Search for the pair production of light top squarks in the $e\bar{e}\chi$ final state in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	4
440	Measurement of associated production of a boson and a charm quark in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 269	4.2	9
439	Combinations of single-top-quark production cross-section measurements and $ f_{LVVtb} $ determinations at $(\sqrt{s}) = 7$ and $8\text{ TeV}$ with the ATLAS and CMS experiments. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
438	Observation of prompt $J/\psi$ meson elliptic flow in high-multiplicity pPb collisions at $s_{NN}=8.16\text{ TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 791, 172-194	4.2	14
437	Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 421	4.2	153
436	Search for supersymmetry in events with a photon, jets, $\cancel{E}_T$ , and missing transverse momentum in proton-proton collisions at $13$ . <i>European Physical Journal C</i> , <b>2019</b> , 79, 444	4.2	1
435	Measurements of the Higgs boson width and anomalous HVV couplings from on-shell and off-shell production in the four-lepton final state. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	42
434	Measurements of the $pp \rightarrow WZ$ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at $(\sqrt{s}) = 13\text{ TeV}$ . <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	10
433	Measurements of properties of the Higgs boson decaying to a W boson pair in pp collisions at $s=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 791, 96-129	4.2	27
432	Search for a $W\gamma$ boson decaying to a $\ell$ lepton and a neutrino in proton-proton collisions at $s=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 792, 107-131	4.2	15
431	Measurement of the production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 368	4.2	27
430	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $(\sqrt{s} = 13, \text{TeV})$ . <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	7
429	. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
428	Constraints on the solar $\theta_{12}$ using Daya Bay and RENO data. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	3

427	Search for nonresonant Higgs boson pair production in the ( $\overline{\mathbf{b}}\overline{\mathbf{b}}$ ) final state at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	4
426	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> , <b>2019</b> , 79, 280	4.2	12
425	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at ( $\sqrt{s}$ )=13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
424	Search for a standard model-like Higgs boson in the mass range between 70 and 110 GeV in the diphoton final state in proton-proton collisions at $\sqrt{s}$ =8 and 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 793, 320-347	4.2	21
423	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> , <b>2019</b> , 79, 364	4.2	18
422	Search for invisible decays of a Higgs boson produced through vector boson fusion in proton-proton collisions at $\sqrt{s}$ =13TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 793, 520-551	4.2	86
421	Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s}$ =13 TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 121803	7.4	35
420	Jet Shapes of Isolated Photon-Tagged Jets in Pb-Pb and pp Collisions at $\sqrt{s_{NN}}$ =5.02 TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 152001	7.4	8
419	Search for W Boson Decays to Three Charged Pions. <i>Physical Review Letters</i> , <b>2019</b> , 122, 151802	7.4	1
418	Measurement of prompt $\Upsilon(2S)$ production cross sections in proton-lead and proton-proton collisions at $\sqrt{s_{NN}}$ =5.02TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 790, 509-532	4.2	6
417	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> , <b>2019</b> , 79, 90	4.2	6
416	Study of the underlying event in top quark pair production in collisions at 13. <i>European Physical Journal C</i> , <b>2019</b> , 79, 123	4.2	4
415	Search for rare decays of and Higgs bosons to and a photon in proton-proton collisions at = 13. <i>European Physical Journal C</i> , <b>2019</b> , 79, 94	4.2	7
414	Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at ( $\sqrt{s}$ )=13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	9
413	Search for long-lived particles decaying into displaced jets in proton-proton collisions at $\sqrt{s}$ =13 TeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	24
412	Measurements of ( $\overline{\mathbf{t}}\mathbf{t}$ ) differential cross sections in proton-proton collisions at ( $\sqrt{s}$ )=13 TeV using events containing two leptons. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	15
411	Search for ( $\overline{\mathbf{t}}\mathbf{t}\mathbf{H}$ ) production in the ( $\mathbf{H}$ )to $\overline{\mathbf{b}}\mathbf{b}$ decay channel with leptonic ( $\overline{\mathbf{t}}\mathbf{t}$ ) decays in proton-proton collisions at ( $\sqrt{s}$ )=13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	17
410	Search for Narrow H Resonances in Proton-Proton Collisions at $\sqrt{s}$ =13 TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 081804	7.4	1



409	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> , <b>2019</b> , 2019, 1	5.4	2
408	Measurement of inclusive and differential Higgs boson production cross sections in the diphoton decay channel in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
407	Search for resonant ( $\overline{\text{t}}\text{t}$ ) production in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	13
406	Observation of Single Top Quark Production in Association with a Z Boson in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 132003	7.4	6
405	Observation of Two Excited $B_{c}^{+}$ States and Measurement of the $B_{c}^{+}(2S)$ Mass in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 122, 132001	7.4	31
404	Search for production of Higgs boson pairs in the four b quark final state using large-area jets in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	7
403	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	7
402	Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	14
401	Measurement of nuclear modification factors of $\rho(1S)$ , $\rho(2S)$ , and $\rho(3S)$ mesons in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 790, 270-293	4.2	40
400	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 20	4.2	4
399	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> , <b>2019</b> , 2019, 1	5.4	18
398	Search for a $W'$ boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	4
397	Search for top quark partners with charge 5/3 in the same-sign dilepton and single-lepton final states in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	9
396	Inclusive search for supersymmetry in pp collisions at ( $\sqrt{s}=13$ ) TeV using razor variables and boosted object identification in zero and one lepton final states. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
395	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	8
394	Search for excited leptons in final states in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
393	Search for new particles decaying to a jet and an emerging jet. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	15
392	Centrality and pseudorapidity dependence of the transverse energy density in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review C</i> , <b>2019</b> , 100,	2.7	2

391	Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	13
390	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at ( $\sqrt{s} = 13, \text{TeV}$ ). <i>European Physical Journal C</i> , <b>2019</b> , 79, 1	4.2	6
389	Search for pair production of second-generation leptoquarks at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	20
388	Search for pair production of first-generation scalar leptoquarks at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	15
387	Measurement of exclusive $\gamma$ photoproduction in ultraperipheral pPb collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 702	4.2	13
386	Search for dark matter in events with a leptoquark and missing transverse momentum in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 795, 76-99	4.2	2
385	Measurement of exclusive photoproduction from protons in Pb collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 277	4.2	19
384	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 564	4.2	20
383	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two muons and two b quarks in pp collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 795, 398-423	4.2	17
382	Fuel-Composition Dependent Reactor Antineutrino Yield at RENO. <i>Physical Review Letters</i> , <b>2019</b> , 122, 232501	7.4	22
381	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> , <b>2019</b> , 2019, 1	5.4	5
380	Neutrino-Based Tools for Nuclear Verification and Diplomacy in North Korea. <i>Science and Global Security</i> , <b>2019</b> , 27, 15-28	0.1	5
379	Measurement of the top quark mass in the all-jets final state at and combination with the lepton+jets channel. <i>European Physical Journal C</i> , <b>2019</b> , 79, 313	4.2	13
378	Combination of CMS searches for heavy resonances decaying to pairs of bosons or leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 798, 134952	4.2	10
377	Search for anomalous electroweak production of vector boson pairs in association with two jets in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 798, 134985	4.2	16
376	Search for MSSM Higgs bosons decaying to $\tau\tau$ in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 798, 134992	4.2	11
375	An embedding technique to determine $\gamma$ backgrounds in proton-proton collision data. <i>Journal of Instrumentation</i> , <b>2019</b> , 14, P06032-P06032	1	5
374	Measurement of the top quark Yukawa coupling from $t\bar{t}$ kinematic distributions in the lepton+jets final state in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	5



373	Charged-particle angular correlations in XeXe collisions at $\sqrt{s_{NN}}=5.44$ TeV. <i>Physical Review C</i> , <b>2019</b> , 100,	2.7	14
372	Search for supersymmetry using Higgs boson to diphoton decays at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
371	Search for low-mass resonances decaying into bottom quark-antiquark pairs in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	12
370	Search for pair-produced three-jet resonances in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	2
369	Search for resonances decaying to a pair of Higgs bosons in the $b(\overline{\text{mathrm{b}}})q(\overline{\text{mathrm{q}}})$ final state in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	5
368	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 969	4.2	1
367	Pseudorapidity distributions of charged hadrons in xenon-xenon collisions at $\sqrt{s_{NN}}=5.44$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 799, 135049	4.2	5
366	Search for vectorlike leptons in multilepton final states in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	14
365	Measurement of the top quark polarization and $tt$ spin correlations using dilepton final states in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	13
364	Constraints on anomalous HVV couplings from the production of Higgs bosons decaying to lepton pairs. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	11
363	Constraint on the solar $\theta_{12}$ using 4000 days of short baseline reactor neutrino data. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	2
362	Probing the chiral magnetic wave in pPb and PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV using charge-dependent azimuthal anisotropies. <i>Physical Review C</i> , <b>2019</b> , 100,	2.7	5
361	Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1	5.4	2
360	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> , <b>2019</b> , 79, 893	4.2	6
359	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> , <b>2019</b> , 2019, 1	5.4	21
358	Search for new physics in top quark production in dilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 886	4.2	6
357	Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2019</b> , 123, 231803	7.4	7
356	Search for Higgs boson pair production in the $Bb\gamma$ final state in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 788, 7-36	4.2	24

355	Measurement of differential cross sections for Z boson pair production in association with jets at $s=8$ and 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2019</b> , 789, 19-44	4.2	3
354	Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair. <i>Physical Review Letters</i> , <b>2018</b> , 120, 071802	7.4	30
353	Observation of Electroweak Production of Same-Sign W Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 120, 081801	7.4	50
352	Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in pp and p+Pb Collisions at the LHC. <i>Physical Review Letters</i> , <b>2018</b> , 120, 092301	7.4	27
351	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 242	4.2	4
350	Measurement of the Splitting Function in pp and Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 120, 142302	7.4	27
349	Measurement of quarkonium production cross sections in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 780, 251-272	4.2	20
348	Pseudorapidity distributions of charged hadrons in proton-lead collisions at ( $\sqrt{s_{\mathrm{NN}}}=5.02$ ) and 8.16 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
347	Observation of the Higgs boson decay to a pair of $\tau$ leptons with the CMS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 779, 283-316	4.2	78
346	Suppression of Excited $\chi$ States Relative to the Ground State in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 120, 142301	7.4	12
345	Search for Higgsino pair production in pp collisions at $s=13$ TeV in final states with large missing transverse momentum and two Higgs bosons decaying via $H \rightarrow b\bar{b}$ . <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	8
344	Search for resonant and nonresonant Higgs boson pair production in the ( $\overline{\mathrm{b}}\mathrm{b}$ ) final state in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	19
343	Search for heavy resonances decaying to a top quark and a bottom quark in the lepton+jets final state in proton-proton collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 777, 39-63	4.2	14
342	Measurements of $t\bar{t}$ cross sections in association with b jets and inclusive jets and their ratio using dilepton final states in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 776, 355-378	4.2	12
341	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s}=13$ . <i>European Physical Journal C</i> , <b>2018</b> , 78, 291	4.2	17
340	Measurements of the production cross section and the branching fraction, and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 165	4.2	29
339	Measurement of associated Z + charm production in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 287	4.2	11
338	Measurement of the inclusive ( $\overline{\mathrm{t}}\mathrm{t}$ ) cross section in pp collisions at ( $\sqrt{s}=5.02$ ) TeV using final states with at least one charged lepton. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	3

337	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	
336	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> , <b>2018</b> , 2018, 1	5-4	4
335	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> , <b>2018</b> , 2018, 1	5-4	45
334	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> , <b>2018</b> , 2018, 1	5-4	40
333	Measurement of differential cross sections in the kinematic angular variable $\theta^*$ for inclusive Z boson production in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	2
332	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at ( $\sqrt{s_{\mathrm{NN}}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	8
331	Measurement of normalized differential ( $\overline{\mathrm{t}}$ ) cross sections in the dilepton channel from pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	12
330	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	13
329	Search for ZZ resonances in the $2\mu\mu$ final state in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	3
328	Search for massive resonances decaying into WW, WZ, ZZ, qW, and qZ with dijet final states at $s=13$ TeV. <i>Physical Review D</i> , <b>2018</b> , 97,	4-9	20
327	Measurement of the $\overline{\mathrm{B}}$ polarization and angular parameters in $\overline{\mathrm{B}} \rightarrow \mathrm{J}/\psi \ell \ell$ decays from pp collisions at $s=7$ and 8 TeV. <i>Physical Review D</i> , <b>2018</b> , 97,	4-9	6
326	Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 780, 118-143	4-2	9
325	Bose-Einstein correlations in pp, pPb, and PbPb collisions at $s_{\mathrm{NN}}=0.9$ TeV. <i>Physical Review C</i> , <b>2018</b> , 97,	2-7	15
324	Measurement of differential cross sections for the production of top quark pairs and of additional jets in lepton+jets events from pp collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2018</b> , 97,	4-9	20
323	Search for new physics in final states with an energetic jet or a hadronically decaying W or Z boson and transverse momentum imbalance at $s=13$ TeV. <i>Physical Review D</i> , <b>2018</b> , 97,	4-9	51
322	Jet properties in PbPb and pp collisions at ( $\sqrt{s_{\mathrm{NN}}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	7
321	Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 779, 166-190	4-2	4
320	Search for pair production of vector-like quarks in the $b\overline{b}W^+W^-$ channel from proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 779, 82-106	4-2	29

319	Measurement of the associated production of a single top quark and a Z boson in pp collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 779, 358-384	4.2	11
318	Search for new long-lived particles at $\sqrt{s}=13\text{ TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 780, 432-454	4.2	20
317	Search for supersymmetry in events with one lepton and multiple jets exploiting the angular correlation between the lepton and the missing transverse momentum in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 780, 384-409	4.2	2
316	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> , <b>2018</b> , 2018, 1	5.4	22
315	Performance of the CMS muon detector and muon reconstruction with proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ . <i>Journal of Instrumentation</i> , <b>2018</b> , 13, P06015-P06015	1	118
314	GAMBIT: the global and modular beyond-the-standard-model inference tool. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1	4.2	12
313	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> , <b>2018</b> , 78, 140	4.2	20
312	Elliptic Flow of Charm and Strange Hadrons in High-Multiplicity p+Pb Collisions at $\sqrt{s_{NN}}=8.16\text{ TeV}$ . <i>Physical Review Letters</i> , <b>2018</b> , 121, 082301	7.4	35
311	Measurement of b hadron lifetimes in pp collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 457	4.2	9
310	Study of jet quenching with isolated-photon+jet correlations in PbPb and pp collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 785, 14-39	4.2	21
309	Search for top squarks and dark matter particles in opposite-charge dilepton final states at $\sqrt{s}=13\text{ TeV}$ . <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	26
308	Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead Collisions at $\sqrt{s_{NN}}=5.02\text{ TeV}$ . <i>Physical Review Letters</i> , <b>2018</b> , 121, 062002	7.4	8
307	Observation of $t\bar{t}H$ Production. <i>Physical Review Letters</i> , <b>2018</b> , 120, 231801	7.4	96
306	Search for Physics Beyond the Standard Model in Events with High-Momentum Higgs Bosons and Missing Transverse Momentum in Proton-Proton Collisions at $13\text{TeV}$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 241801	7.4	9
305	Combination of inclusive and differential ( $\overline{\text{t}}$ ) charge asymmetry measurements using ATLAS and CMS data at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	4
304	Search for Heavy Neutral Leptons in Events with Three Charged Leptons in Proton-Proton Collisions at $\sqrt{s}=13\text{ TeV}$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 221801	7.4	62
303	Search for vectorlike light-flavor quark partners in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ . <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	6
302	Search for single production of a vector-like T quark decaying to a Z boson and a top quark in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 781, 574-600	4.2	24

301	Search for a massive resonance decaying to a pair of Higgs bosons in the four b quark final state in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 781, 244-269	4.2	22
300	Search for the $X(5568)$ State Decaying into $B_{s}^{*0}\pi^{0}$ in Proton-Proton Collisions at $\sqrt{s}=8\text{ TeV}$ . <i>Physical Review Letters</i> , <b>2018</b> , 120, 202005	7.4	36
299	Measurements of the $(\text{pp})\rightarrow\text{ZZ}$ production cross section and the $(\text{Z})\rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $(\sqrt{s}=13,\text{TeV})$ <b>2018</b> , 78, 1		3
298	Azimuthal anisotropy of charged particles with transverse momentum up to $100\text{GeV}/c$ in PbPb collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 776, 195-216	4.2	27
297	Search for $(\overline{\text{t}}\text{t})\text{H}$ production in the all-jet final state in proton-proton collisions at $(\sqrt{s}=13)\text{ TeV}$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	13
296	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 $13\text{ TeV}$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
295	Measurement of the groomed jet mass in PbPb and pp collisions at $(\sqrt{s_{\text{NN}}}=5.02)\text{ TeV}$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	5
294	Search for pair-produced resonances decaying to quark pairs in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ . <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	8
293	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $(\sqrt{s}=13)\text{ TeV}$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
292	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $(\sqrt{s}=13)\text{ TeV}$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	14
291	Search for natural and split supersymmetry in proton-proton collisions at $(\sqrt{s}=13)\text{ TeV}$ in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	39
290	Pseudorapidity and transverse momentum dependence of flow harmonics in pPb and PbPb collisions. <i>Physical Review C</i> , <b>2018</b> , 98,	2.7	6
289	Neutrino physics for Korean diplomacy. <i>Science</i> , <b>2018</b> , 362, 649-650	33.3	1
288	Measurement of Reactor Antineutrino Oscillation Amplitude and Frequency at RENO. <i>Physical Review Letters</i> , <b>2018</b> , 121, 201801	7.4	52
287	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $(\sqrt{s}=13)\text{ TeV}$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
286	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two leptons in proton-proton collisions at $(\sqrt{s}=13)\text{ TeV}$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	14
285	Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at $(\sqrt{s}=8)\text{ TeV}$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	16
284	Search for top squarks decaying via four-body or chargino-mediated modes in single-lepton final states in proton-proton collisions at $(\sqrt{s}=13)\text{ TeV}$ . <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6



283	Charged-particle nuclear modification factors in XeXe collisions at ( $\sqrt{s_{\mathrm{NN}}}$ ) = 5.44 ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	11
282	Precision measurement of the structure of the CMS inner tracking system using nuclear interactions. <i>Journal of Instrumentation</i> , <b>2018</b> , 13, P10034-P10034	1	7
281	Measurement of the top quark mass with lepton+jets final states using collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 891	4-2	13
280	Angular analysis of the decay $B^+ \rightarrow K^+ \mu^+ \mu^-$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , <b>2018</b> , 98,	4-9	8
279	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> , <b>2018</b> , 2018, 1	5-4	14
278	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> , <b>2018</b> , 2018, 1	5-4	37
277	Event shape variables measured using multijet final states in proton-proton collisions at ( $\sqrt{s} = 13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	3
276	Search for physics beyond the standard model in high-mass diphoton events from proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , <b>2018</b> , 98,	4-9	14
275	Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 121, 241802	7-4	20
274	Search for long-lived particles with displaced vertices in multijet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , <b>2018</b> , 98,	4-9	12
273	Measurement of jet substructure observables in $t\bar{t}$ events from proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , <b>2018</b> , 98,	4-9	12
272	Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at ( $\sqrt{s} = 13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	12
271	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> , <b>2018</b> , 2018, 1	5-4	50
270	Search for $Z$ resonances using leptonic and hadronic final states in proton-proton collisions at ( $\sqrt{s} = 13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	11
269	Measurement of the production cross section for single top quarks in association with W bosons in proton-proton collisions at ( $\sqrt{s} = 13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	5
268	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at ( $\sqrt{s} = 13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	9
267	Search for supersymmetry in events with a $\mu$ lepton pair and missing transverse momentum in proton-proton collisions at ( $\sqrt{s} = 13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5-4	14
266	Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV Using Isolated Photon-Tagged Jets. <i>Physical Review Letters</i> , <b>2018</b> , 121, 242301	7-4	15



265	Search for the decay of a Higgs boson in the $\tau\tau$ channel in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	11
264	Performance of reconstruction and identification of $\tau$ leptons decaying to hadrons and $\nu\tau$ in pp collisions at $\sqrt{s}=13$ TeV. <i>Journal of Instrumentation</i> , <b>2018</b> , 13, P10005-P10005	1	29
263	Evidence for the Associated Production of a Single Top Quark and a Photon in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 121, 221802	7.4	6
262	Search for third-generation scalar leptoquarks decaying to a top quark and a lepton at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 707	4.2	23
261	Measurement of differential cross sections for boson production in association with jets in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 965	4.2	19
260	Studies of $\eta$ and mesons including the observation of the decay in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 939	4.2	12
259	Observation of the $Z \rightarrow \tau^+\tau^-$ Decay in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 121, 141801	7.4	1
258	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2\tau q$ final states at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7
257	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at. <i>European Physical Journal C</i> , <b>2018</b> , 78, 697	4.2	9
256	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $e\tau$ final states in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	3
255	Search for new physics in dijet angular distributions using proton-proton collisions at and constraints on dark matter and other models. <i>European Physical Journal C</i> , <b>2018</b> , 78, 789	4.2	19
254	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> , <b>2018</b> , 78, 1	4.2	4
253	Search for high-mass resonances in final states with a lepton and missing transverse momentum at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	15
252	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> , <b>2018</b> , 2018, 1	5.4	8
251	Search for resonant pair production of Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	10
250	Measurement of the cross section in pp collisions at and validation of lepton analysis techniques. <i>European Physical Journal C</i> , <b>2018</b> , 78, 708	4.2	5
249	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> , <b>2018</b> , 2018, 1	5.4	29
248	Search for dark matter produced in association with a Higgs boson decaying to $\tau\tau$ or $\tau\nu\tau$ ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	7

247	Search for additional neutral MSSM Higgs bosons in the final state in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	42
246	Search for Pair-Produced Resonances Each Decaying into at Least Four Quarks in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 121, 141802	7.4	1
245	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> , <b>2018</b> , 2018, 1	5.4	7
244	Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	20
243	Search for a heavy resonance decaying into a Z boson and a vector boson in the ( $\nu$ $\overline{\nu}$ ) final state. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	6
242	Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV. <i>Journal of Instrumentation</i> , <b>2018</b> , 13, P05011-P05011	1	152
241	Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	18
240	Search for beyond the standard model Higgs bosons decaying into a ( $\overline{b}b$ ) pair in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	11
239	Observation of the $\chi_{b1}(3P)$ and $\chi_{b2}(3P)$ and Measurement of their Masses. <i>Physical Review Letters</i> , <b>2018</b> , 121, 092002	7.4	16
238	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in collisions at 8. <i>European Physical Journal C</i> , <b>2018</b> , 78, 701	4.2	25
237	Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , <b>2018</b> , 78, 509	4.2	37
236	Search for lepton flavour violating decays of the Higgs boson to $\tau$ and $e$ in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	19
235	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying $\tau$ leptons at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	23
234	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two b quarks and two $\tau$ leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 785, 462-488	4.2	28
233	Observation of Higgs Boson Decay to Bottom Quarks. <i>Physical Review Letters</i> , <b>2018</b> , 121, 121801	7.4	79
232	Constraints on models of scalar and vector leptoquarks decaying to a quark and a neutrino at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	26
231	Electroweak production of two jets in association with a Z boson in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>European Physical Journal C</i> , <b>2018</b> , 78, 1	4.2	12
230	Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	14

229	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	16
228	Search for single production of vector-like quarks decaying to a b quark and a Higgs boson. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	12
227	Search for the flavor-changing neutral current interactions of the top quark and the Higgs boson which decays into a pair of b quarks at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	20
226	Search for a singly produced third-generation scalar leptoquark decaying to a $\tau$ lepton and a bottom quark in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	9
225	Physics potentials with the second Hyper-Kamiokande detector in Korea. <i>Progress of Theoretical and Experimental Physics</i> , <b>2018</b> , 2018,	5.4	41
224	Spectral measurement of the electron antineutrino oscillation amplitude and frequency using 500 live days of RENO data. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	27
223	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	10
222	Measurement of the inelastic proton-proton cross section at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	41
221	Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1	5.4	24
220	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> , <b>2018</b> , 2018, 1	5.4	63
219	Search for Narrow Resonances in the b-Tagged Dijet Mass Spectrum in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 120, 201801	7.4	13
218	Search for Higgs boson pair production in events with two bottom quarks and two tau leptons in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 778, 101-127	4.2	35
217	Search for the pair production of third-generation squarks with two-body decays to a bottom or charm quark and a neutralino in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 778, 263-291	4.2	12
216	Constraints on the chiral magnetic effect using charge-dependent azimuthal correlations in pPb and PbPb collisions at the CERN Large Hadron Collider. <i>Physical Review C</i> , <b>2018</b> , 97,	2.7	40
215	Measurement of Prompt $D^0$ Meson Azimuthal Anisotropy in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , <b>2018</b> , 120, 202301	7.4	39
214	Search for pair production of excited top quarks in the lepton + jets final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 778, 349-370	4.2	6
213	Search for excited quarks of light and heavy flavor in $l$ -jet final states in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 781, 390-411	4.2	5
212	Search for supersymmetry in proton-proton collisions at 13 TeV using identified top quarks. <i>Physical Review D</i> , <b>2018</b> , 97,	4.9	16

211	Evidence for the Higgs boson decay to a bottom quark-antiquark pair. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 780, 501-532	4.2	47
210	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> , <b>2018</b> , 2018, 1	5.4	28
209	Measurement of angular parameters from the decay $B^0 \rightarrow K^* \mu^+ \mu^-$ in proton-proton collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 781, 517-541	4.2	44
208	Nuclear modification factor of $D^0$ mesons in PbPb collisions at $s_{NN}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 782, 474-496	4.2	61
207	Search for R-parity violating supersymmetry in pp collisions at $s=13$ TeV using b jets in a final state with a single lepton, many jets, and high sum of large-radius jet masses. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 783, 114-139	4.2	8
206	Search for new physics in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 782, 440-467	4.2	34
205	Search for Dark Matter and Supersymmetry with a Compressed Mass Spectrum in the Vector Boson Fusion Topology in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , <b>2017</b> , 118, 021802	7.4	23
204	Search for high-mass diphoton resonances in proton-proton collisions at 13 TeV and combination with 8 TeV search. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 767, 147-170	4.2	55
203	Observation of the decay $B^+ \rightarrow \psi(1020)K^+$ in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 764, 66-86	4.2	2
202	Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	7
201	Search for R-parity violating supersymmetry with displaced vertices in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	11
200	Inclusive search for supersymmetry using razor variables in pp collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	9
199	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> , <b>2017</b> , 77, 172	4.2	22
198	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> , <b>2017</b> , 2017, 1	5.4	34
197	Search for electroweak production of charginos in final states with two leptons in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
196	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> , <b>2017</b> , 77, 92	4.2	7
195	Measurement of the WZ production cross section in pp collisions at [Formula: see text] and 8[Formula: see text] and search for anomalous triple gauge couplings at [Formula: see text]. <i>European Physical Journal C</i> , <b>2017</b> , 77, 236	4.2	21
194	Measurement of prompt and nonprompt [Formula: see text] production in [Formula: see text] and [Formula: see text] collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2017</b> , 77, 269	4.2	26

193	Suppression of $\Upsilon(1S)$ , $\Upsilon(2S)$ , and $\Upsilon(3S)$ quarkonium states in PbPb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 770, 357-379	4.2	57
192	A search for new phenomena in pp collisions at [Formula: see text] in final states with missing transverse momentum and at least one jet using the [Formula: see text] variable. <i>European Physical Journal C</i> , <b>2017</b> , 77, 294	4.2	21
191	Search for single production of a heavy vector-like T quark decaying to a Higgs boson and a top quark with a lepton and jets in the final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 771, 80-105	4.2	11
190	Measurement of the cross section for electroweak production of $Z\eta$ association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s}=8\text{TeV}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 770, 380-402	4.2	22
189	Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ and combination with 8 TeV data. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 768, 57-80	4.2	50
188	Search for dijet resonances in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ and constraints on dark matter and other models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 769, 520-542	4.2	74
187	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos, and b quarks. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 768, 137-162	4.2	13
186	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> , <b>2017</b> , 118, 122301	7.4	72
185	Evidence for collectivity in pp collisions at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 765, 193-220	4.2	171
184	Search for Supersymmetry in pp Collisions at $\sqrt{s}=13\text{TeV}$ in the Single-Lepton Final State Using the Sum of Masses of Large-Radius Jets. <i>Physical Review Letters</i> , <b>2017</b> , 119, 151802	7.4	7
183	Measurement of the $B^0$ Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$ . <i>Physical Review Letters</i> , <b>2017</b> , 119, 152301	7.4	37
182	Measurement of the differential cross sections for the associated production of a W boson and jets in proton-proton collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	15
181	Search for new physics in the monophoton final state in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11
180	Measurement of inclusive jet cross sections in pp and PbPb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$ . <i>Physical Review C</i> , <b>2017</b> , 96,	2.7	39
179	Measurement of double-differential cross sections for top quark pair production in pp collisions at [Formula: see text][Formula: see text] and impact on parton distribution functions. <i>European Physical Journal C</i> , <b>2017</b> , 77, 459	4.2	16
178	Measurement of the jet mass in highly boosted [Formula: see text] events from pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2017</b> , 77, 467	4.2	14
177	Search for supersymmetry in the all-hadronic final state using top quark tagging in pp collisions at $\sqrt{s}=13\text{TeV}$ . <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	7
176	Measurement of the top quark mass in the dileptonic $t\bar{t}$ decay channel using the mass observables $M_{b\bar{b}}$ , $M_{b\bar{c}}$ , and $M_{b\bar{c}}$ in pp collisions at $\sqrt{s}=8\text{TeV}$ . <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	8



175	Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at 13 TeV. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	50
174	Search for Charged Higgs Bosons Produced via Vector Boson Fusion and Decaying into a Pair of W and Z Bosons Using pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2017</b> , 119, 141802	7.4	28
173	Neutrino Masses and Oscillations 2015. <i>Advances in High Energy Physics</i> , <b>2017</b> , 2017, 1-3	1	
172	Study of Jet Quenching with Z+jet Correlations in Pb-Pb and pp Collisions at $\sqrt{s}_{NN}=5.02$ TeV. <i>Physical Review Letters</i> , <b>2017</b> , 119, 082301	7.4	22
171	Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2017</b> , 119, 111802	7.4	21
170	Search for standard model production of four top quarks in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 772, 336-358	4.2	10
169	Charged-particle nuclear modification factors in PbPb and pPb collisions at ( $\sqrt{s}_{NN}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	64
168	Search for supersymmetry in events with photons and missing transverse energy in pp collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 769, 391-412	4.2	3
167	Search for heavy gauge W bosons in events with an energetic lepton and large missing transverse momentum at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 770, 278-301	4.2	24
166	Measurements of the charm jet cross section and nuclear modification factor in pPb collisions at $s_{NN}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 772, 306-329	4.2	14
165	Search for high-mass Z resonances in proton-proton collisions at $s=8$ and 13 TeV using jet substructure techniques. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 772, 363-387	4.2	10
164	Search for ( $\overline{\text{t}}$ ) resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	17
163	Search for single production of vector-like quarks decaying into a b quark and a W boson in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 772, 634-656	4.2	11
162	Cross section measurement of t-channel single top quark production in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 772, 752-776	4.2	32
161	Measurement of differential cross sections for top quark pair production using the lepton+jets final state in proton-proton collisions at 13 TeV. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	41
160	Search for associated production of dark matter with a Higgs boson decaying to ( $\overline{\text{b}}$ ) or $\text{b}\bar{\text{t}}$ ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
159	Observation of Top Quark Production in Proton-Nucleus Collisions. <i>Physical Review Letters</i> , <b>2017</b> , 119, 242001	7.4	11
158	Observation of Y(1S) pair production in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	29



157	Search for anomalous $Wtb$ couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	26
156	Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	8
155	Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 775, 1-24	4.2	32
154	Measurement of the semileptonic ( $\overline{\text{t}} + \text{t}$ ) production cross section in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
153	Measurements of the pp $\rightarrow W$ and pp $\rightarrow Z$ cross sections and limits on anomalous quartic gauge couplings at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	2
152	Mechanical stability of the CMS strip tracker measured with a laser alignment system. <i>Journal of Instrumentation</i> , <b>2017</b> , 12, P04023-P04023	1	
151	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> , <b>2017</b> , 77, 710	4.2	54
150	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11
149	Search for leptophobic Z' bosons decaying into four-lepton final states in proton-proton collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 773, 563-584	4.2	6
148	Search for black holes and other new phenomena in high-multiplicity final states in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 774, 279-307	4.2	10
147	Combination of searches for heavy resonances decaying to WW, WZ, ZZ, WH, and ZH boson pairs in proton-proton collisions at $s=8$ and 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 774, 533-558	4.2	25
146	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	19
145	Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
144	Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	10
143	Measurement of the differential inclusive B+ hadron cross sections in pp collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 771, 435-456	4.2	15
142	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> , <b>2017</b> , 77, 252	4.2	58
141	Searches for pair production of third-generation squarks in [Formula: see text][Formula: see text] pp collisions. <i>European Physical Journal C</i> , <b>2017</b> , 77, 327	4.2	17
140	Measurement of the top quark mass using single top quark events in proton-proton collisions at [Formula: see text]TeV. <i>European Physical Journal C</i> , <b>2017</b> , 77, 354	4.2	8

139	Relative Modification of Prompt $(2S)$ and $J/\psi$ Yields from pp to PbPb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , <b>2017</b> , 118, 162301	7.4	18
138	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> , <b>2017</b> , 2017, 1	5.4	74
137	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	19
136	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2017</b> , 77, 845	4.2	22
135	Search for Evidence of the Type-III Seesaw Mechanism in Multilepton Final States in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , <b>2017</b> , 119, 221802	7.4	23
134	Measurement of electroweak-induced production of $W\gamma$ with two jets in pp collisions at $(\sqrt{s}=8)$ TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	9
133	Searches for $W\gamma$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	7
132	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	5
131	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	18
130	Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11
129	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	20
128	Principal-component analysis of two-particle azimuthal correlations in PbPb and pPb collisions at CMS. <i>Physical Review C</i> , <b>2017</b> , 96,	2.7	12
127	Search for Higgs boson pair production in the $bb\gamma\gamma$ final state in proton-proton collisions at $(s)=8$ TeV. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	14
126	Measurement of charged pion, kaon, and proton production in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	33
125	Measurement of vector boson scattering and constraints on anomalous quartic couplings from events with four leptons and two jets in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 774, 682-705	4.2	29
124	Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 775, 315-337	4.2	6
123	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> , <b>2017</b> , 2017, 1	5.4	25
122	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	12

121	Measurement of the $(\overline{t}t)$ production cross section using events with one lepton and at least one jet in pp collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	14
120	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> , <b>2017</b> , 2017, 1	5.4	4
119	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> , <b>2017</b> , 77, 578	4.2	21
118	Search for top quark partners with charge $5/3$ in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	3
117	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> , <b>2017</b> , 2017, 1	5.4	21
116	Measurements of jet charge with dijet events in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	10
115	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	10
114	Search for new physics with dijet angular distributions in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	11
113	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> , <b>2017</b> , 2017, 1	5.4	46
112	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> , <b>2017</b> , 2017, 1	5.4	35
111	Search for new phenomena with multiple charged leptons in proton-proton collisions at $(\sqrt{s}=13)$ (TeV). <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	2
110	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at. <i>European Physical Journal C</i> , <b>2017</b> , 77, 636	4.2	20
109	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> , <b>2017</b> , 2017, 1	5.4	4
108	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying leptons and two jets in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	18
107	Search for CP violation in $(\overline{t}t)$ production and decay in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	4
106	Measurement of the triple-differential dijet cross section in proton-proton collisions at and constraints on parton distribution functions. <i>European Physical Journal C</i> , <b>2017</b> , 77, 746	4.2	8
105	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> , <b>2017</b> , 2017, 1	5.4	7
104	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	10

103	GAMBIT: the global and modular beyond-the-standard-model inference tool. <i>European Physical Journal C</i> , <b>2017</b> , 77, 1	4.2	22
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100	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1	5.4	16
99	Search for Narrow Resonances in Dijet Final States at $\sqrt{s}=8$ TeV with the Novel CMS Technique of Data Scouting. <i>Physical Review Letters</i> , <b>2016</b> , 117, 031802	7.4	57
98	Search for new physics in same-sign dilepton events in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 439	4.2	34
97	Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s}=8$ and 13 TeV. <i>Physical Review Letters</i> , <b>2016</b> , 117, 051802	7.4	61
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95	Measurements of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	364
94	Search for new physics with the $M_{T2}$ variable in all-jets final states produced in pp collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	16
93	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	9
92	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> , <b>2016</b> , 2016, 1	5.4	7
91	Measurement of the mass of the top quark in decays with a $J/\psi$ meson in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	5
90	Slow control systems of the Reactor Experiment for Neutrino Oscillation. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2016</b> , 810, 100-106	1.2	6
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88	Search for heavy Majorana neutrinos in $e^+e^- \rightarrow \mu^+\mu^- + \text{jets}$ and $e^+e^- \rightarrow \tau^+\tau^- + \text{jets}$ events in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	28
87	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> , <b>2016</b> , 2016, 1	5.4	7
86	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at ( $\sqrt{s_{\text{NN}}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1	5.4	13

85	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 451	4.2	36
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83	Measurement of the W boson helicity fractions in the decays of top quark pairs to lepton + jets final states produced in pp collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2016</b> , 762, 512-534	4.2	17
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79	New results from RENO and the 5 MeV excess <b>2015</b> ,		38
78	IceCube sensitivity for low-energy neutrinos from nearby supernovae (Corrigendum). <i>Astronomy and Astrophysics</i> , <b>2014</b> , 563, C1	5.1	84
77	Neutrino Masses and Oscillations. <i>Advances in High Energy Physics</i> , <b>2014</b> , 2014, 1-4	1	
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75	Measurement of South Pole ice transparency with the IceCube LED calibration system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 711, 73-89	1.2	101
74	Search for dark matter annihilations in the sun with the 79-string IceCube detector. <i>Physical Review Letters</i> , <b>2013</b> , 110, 131302	7.4	197
73	Cosmic ray composition and energy spectrum from $10$ PeV using the 40-string configuration of IceTop and IceCube. <i>Astroparticle Physics</i> , <b>2013</b> , 42, 15-32	2.4	28
72	All-particle cosmic ray energy spectrum measured with 26 IceTop stations. <i>Astroparticle Physics</i> , <b>2013</b> , 44, 40-58	2.4	13
71	Search for Galactic PeV gamma rays with the IceCube Neutrino Observatory. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	26
70	Measurement of the atmospheric $\mu$ flux in IceCube. <i>Physical Review Letters</i> , <b>2013</b> , 110, 151105	7.4	58
69	IceTop: The surface component of IceCube. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 700, 188-220	1.2	103
68	Lateral distribution of muons in IceCube cosmic ray events. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	17



67	Search for relativistic magnetic monopoles with IceCube. <i>Physical Review D</i> , <b>2013</b> , 87,	4.9	14
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64	SEARCHES FOR PERIODIC NEUTRINO EMISSION FROM BINARY SYSTEMS WITH 22 AND 40 STRINGS OF ICECUBE. <i>Astrophysical Journal</i> , <b>2012</b> , 748, 118	4.7	8
63	TIME-DEPENDENT SEARCHES FOR POINT SOURCES OF NEUTRINOS WITH THE 40-STRING AND 22-STRING CONFIGURATIONS OF ICECUBE. <i>Astrophysical Journal</i> , <b>2012</b> , 744, 1	4.7	35
62	An absence of neutrinos associated with cosmic-ray acceleration in $\Gamma$ ray bursts. <i>Nature</i> , <b>2012</b> , 484, 351-4	50.4	230
61	Multiyear search for dark matter annihilations in the Sun with the AMANDA-II and IceCube detectors. <i>Physical Review D</i> , <b>2012</b> , 85,	4.9	65
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59	Background studies for acoustic neutrino detection at the South Pole. <i>Astroparticle Physics</i> , <b>2012</b> , 35, 312-324	2.4	10
58	The design and performance of IceCube DeepCore. <i>Astroparticle Physics</i> , <b>2012</b> , 35, 615-624	2.4	158
57	Search for ultrahigh-energy tau neutrinos with IceCube. <i>Physical Review D</i> , <b>2012</b> , 86,	4.9	18
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54	NEUTRINO ANALYSIS OF THE 2010 SEPTEMBER CRAB NEBULA FLARE AND TIME-INTEGRATED CONSTRAINTS ON NEUTRINO EMISSION FROM THE CRAB USING ICECUBE. <i>Astrophysical Journal</i> , <b>2012</b> , 745, 45	4.7	13
53	OBSERVATION OF ANISOTROPY IN THE ARRIVAL DIRECTIONS OF GALACTIC COSMIC RAYS AT MULTIPLE ANGULAR SCALES WITH IceCube. <i>Astrophysical Journal</i> , <b>2011</b> , 740, 16	4.7	91
52	TIME-INTEGRATED SEARCHES FOR POINT-LIKE SOURCES OF NEUTRINOS WITH THE 40-STRING IceCube DETECTOR. <i>Astrophysical Journal</i> , <b>2011</b> , 732, 18	4.7	106
51	Constraints on high-energy neutrino emission from SN 2008D. <i>Astronomy and Astrophysics</i> , <b>2011</b> , 527, A28	5.1	7
50	IceCube sensitivity for low-energy neutrinos from nearby supernovae. <i>Astronomy and Astrophysics</i> , <b>2011</b> , 535, A109	5.1	92



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45	Search for a diffuse flux of astrophysical muon neutrinos with the IceCube 40-string detector. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	85
44	Measurement of acoustic attenuation in South Pole ice. <i>Astroparticle Physics</i> , <b>2011</b> , 34, 382-393	2.4	24
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40	Limits on a muon flux from Kaluza-Klein dark matter annihilations in the Sun from the IceCube 22-string detector. <i>Physical Review D</i> , <b>2010</b> , 81,	4.9	16
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28	Search for point sources of high energy neutrinos with final data from AMANDA-II. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	40
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24	Solar Energetic Particle Spectrum on 2006 December 13 Determined by IceTop. <i>Astrophysical Journal</i> , <b>2008</b> , 689, L65-L68	4.7	29
23	Search for Ultra-High-Energy Neutrinos with AMANDA-II. <i>Astrophysical Journal</i> , <b>2008</b> , 675, 1014-1024	4.7	69
22	The Search for Muon Neutrinos from Northern Hemisphere Gamma-Ray Bursts with AMANDA. <i>Astrophysical Journal</i> , <b>2008</b> , 674, 357-370	4.7	36
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11	Results of a search for the $hc(P11)$ state of charmonium in the $\psi$ and $J/\psi$ decay modes. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	58
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5	NEUTRINO ASTRONOMY AND COSMIC RAYS AT THE SOUTH POLE: LATEST RESULTS FROM AMANDA AND PERSPECTIVES FOR ICECUBE. <i>International Journal of Modern Physics A</i> , <b>2005</b> , 20, 6919-6923	1.2	1
4	Experiment E835 at Fermilab. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2004</b> , 519, 558-609	1.2	23
3	Measurement of the two photon decay of the $\psi(13P0)$ state of charmonium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2004</b> , 584, 16-21	4.2	7
2	Interference study of the $\chi_{c0}(13P0)$ in the reaction $pp \rightarrow \pi^0 p \pi^0$ . <i>Physical Review Letters</i> , <b>2003</b> , 91, 091801	4.1	11
1	New measurements of the resonance parameters of the $\psi(13P0)$ state of charmonium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2002</b> , 533, 237-242	4.2	28