

# Jordan Nash

## List of Publications by Citations

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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.

515  
papers

16,611  
citations

61  
h-index

98  
g-index

524  
ext. papers

18,390  
ext. citations

4.6  
avg, IF

1.6  
L-index

| #   | Paper   | IF  | Citations |
|-----|---|-----|-----------|
| 515 | 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> , <b>2015</b> , 75, 212 | 4.2 | 399       |
| 514 | Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. <i>Journal of High Energy Physics</i> , <b>2010</b> , 2010, 1   | 5.4 | 389       |
| 513 | Study of high-p T charged particle suppression in PbPb compared to pp collisions at ( $\sqrt{s_{\text{NN}}}=2.76\text{~TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1  | 4.2 | 316       |
| 512 | Observation of a new boson with mass near 125 GeV in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1   | 5.4 | 261       |
| 511 | A measurement of the inclusive $b \rightarrow s$ branching ratio. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 429, 169-187  | 4.2 | 253       |
| 510 | Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 235   | 4.2 | 250       |
| 509 | Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , <b>2016</b> , 76, 155  | 4.2 | 250       |
| 508 | Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3076   | 4.2 | 239       |
| 507 | 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> , <b>2010</b> , 2010, 1  | 5.4 | 201       |
| 506 | Suppression of non-prompt $J/\psi$ and ( $\Upsilon$ )(1S) in PbPb collisions at ( $\sqrt{s_{\text{NN}}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1  | 5.4 | 184       |
| 505 | 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> , <b>2014</b> , 74, 3036                                       | 4.2 | 183       |
| 504 | 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> , <b>2013</b> , 73, 1  | 4.2 | 162       |
| 503 | Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at ( $\sqrt{s_{\text{NN}}}=2.76$ TeV). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1  | 4.2 | 158       |
| 502 | 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> , <b>2012</b> , 2012, 1   | 5.4 | 155       |
| 501 | 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       |
| 500 | 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> , <b>2014</b> , 74, 3149   | 4.2 | 149       |
| 499 | Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1  | 5.4 | 144       |

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|-----|---|-----|-----|
| 498 | Measurements of Z-boson resonance parameters in e+e- annihilation. <i>Physical Review Letters</i> , <b>1989</b> , 63, 2173-2176   | 7.4 | 139 |
| 497 | A precise measurement of $\bar{D} \rightarrow b\bar{b}/\bar{D} \rightarrow \text{hadrons}$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 313, 535-548 | 4.2 | 138 |
| 496 | Study of the inclusive production of charged pions, kaons, and protons in pp collisions at ( $\sqrt{s} = 0.9, 2.76, \text{ and } 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1       | 4.2 | 133 |
| 495 | Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2980  | 4.2 | 131 |
| 494 | Initial measurements of Z-boson resonance parameters in e+e- annihilation. <i>Physical Review Letters</i> , <b>1989</b> , 63, 724-727   | 7.4 | 127 |
| 493 | 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> , <b>2011</b> , 2011, 1                  | 5.4 | 121 |
| 492 | Prompt and non-prompt J/ $\psi$ production in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>European Physical Journal C</i> , <b>2011</b> , 71, 1   | 4.2 | 118 |
| 491 | A search for a doubly-charged Higgs boson in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1  | 4.2 | 111 |
| 490 | Measurements of inclusive W and Z cross sections in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1  | 5.4 | 104 |
| 489 | Multihadronic events at Ec.m. <i>Physical Review D</i> , <b>1988</b> , 37, 1-27   | 4.9 | 103 |
| 488 | Measurement of differential top-quark-pair production cross sections in pp collisions at ( $\sqrt{s} = 7 \text{ TeV}$ ). <i>European Physical Journal C</i> , <b>2013</b> , 73, 1                                 | 4.2 | 102 |
| 487 | Evidence for the 125 GeV Higgs boson decaying to a pair of $\tau$ leptons. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1  | 5.4 | 101 |
| 486 | 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> , <b>2012</b> , 2012, 1                                      | 5.4 | 101 |
| 485 | CMS tracking performance results from early LHC operation. <i>European Physical Journal C</i> , <b>2010</b> , 70, 1165-1192   | 4.9 | 99  |
| 484 | Measurement of the differential cross section for top quark pair production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 542                                   | 4.2 | 98  |
| 483 | Searches for long-lived charged particles in pp collisions at ( $\sqrt{s} = 7$ and 8 TeV). <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1  | 5.4 | 96  |
| 482 | 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> , <b>2012</b> , 2012, 1  | 5.4 | 92  |
| 481 | Charged particle multiplicities in pp interactions at ( $\sqrt{s} = 0.9$ ), 2.36, and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1  | 5.4 | 89  |

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|-----|--|-----|----|
| 480 | Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at ( $\sqrt{s_{\text{NN}}}$ ) = 2.76 ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1                           | 5-4 | 87 |
| 479 | 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> , <b>2013</b> , 73, 2568 | 4-2 | 82 |
| 478 | 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> , <b>2014</b> , 2014, 1                            | 5-4 | 81 |
| 477 | Strange particle production in pp collisions at ( $\sqrt{s}$ ) = 0.9 ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1  | 5-4 | 78 |
| 476 | 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> , <b>2017</b> , 2017, 1                                 | 5-4 | 77 |
| 475 | 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> , <b>2014</b> , 2014, 1                             | 5-4 | 74 |
| 474 | Search for a non-minimal Higgs boson produced in the reaction $\rightarrow$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 313, 312-325                                 | 4-2 | 74 |
| 473 | 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> , <b>2015</b> , 2015, 1   | 5-4 | 73 |
| 472 | Measurement of jet fragmentation into charged particles in pp and PbPb collisions at ( $\sqrt{s_{\text{NN}}}$ ) = 2.76 ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1  | 5-4 | 73 |
| 471 | An upper limit for the $\nu$ neutrino mass from $\nu \rightarrow 5(\nu)$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 349, 585-596                              | 4-2 | 72 |
| 470 | Searches for the standard Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 246, 306-314  | 4-2 | 72 |
| 469 | 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> , <b>2014</b> , 74, 2847  | 4-2 | 71 |
| 468 | Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1   | 5-4 | 70 |
| 467 | 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> , <b>2012</b> , 2012, 1  | 5-4 | 70 |
| 466 | 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> , <b>2011</b> , 2011, 1                                | 5-4 | 70 |
| 465 | Measurement of the polarization of $\nu$ leptons produced in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 265, 430-444  | 4-2 | 70 |
| 464 | J/ $\psi$ and $\psi(2S)$ production in pp collisions at ( $\sqrt{s}$ ) = 7{text{TeV}} ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1   | 5-4 | 69 |
| 463 | Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at ( $\sqrt{s_{\text{NN}}}$ ) = 5.02 ) (,text {TeV}). <i>European Physical Journal C</i> , <b>2014</b> , 74, 1                     | 4-2 | 67 |

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| 462 | Improved measurements of electroweak parameters from Z decays into fermion pairs. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1992</b> , 53, 1-20  |     | 67 |
| 461 | Search for anomalous production of multilepton events in pp collisions at ( $\sqrt{s} = 7, \text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1  | 5-4 | 65 |
| 460 | Charged-particle nuclear modification factors in PbPb and pPb collisions at ( $\sqrt{s_{\text{N};\text{N}}}=5.02$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1                               | 5-4 | 64 |
| 459 | Measurement of the ( $\overline{t}$ ) production cross section in the dilepton channel in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1                       | 5-4 | 64 |
| 458 | Measurements of $ V_{cb} $ , form factors and branching fractions in the decays and. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 395, 373-387            | 4-2 | 63 |
| 457 | 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 |
| 456 | Measurement of the charged particle multiplicity distribution in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 273, 181-192             | 4-2 | 62 |
| 455 | 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 |
| 454 | 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> , <b>2014</b> , 2014, 1  | 5-4 | 61 |
| 453 | Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at ( $\sqrt{s_{\text{NN}}}$ ) = 2.76 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1                                  | 5-4 | 60 |
| 452 | Measurement of the strong coupling constant using $\chi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 307, 209-220                                | 4-2 | 60 |
| 451 | 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> , <b>2014</b> , 2014, 1                           | 5-4 | 59 |
| 450 | 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 |
| 449 | Measurement of the branching ratio and an upper limit on. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 343, 444-452                                       | 4-2 | 58 |
| 448 | Search for anomalous ( $\overline{t}$ ) production in the highly-boosted all-hadronic final state. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1   | 5-4 | 57 |
| 447 | Properties of hadronic Z decays and test of QCD generators. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1992</b> , 55, 209-234   |     | 57 |
| 446 | Determination of $\alpha_s$ from a differential-jet-multiplicity distribution in e+e- collisions at $\sqrt{s} = 29$ and 91 GeV. <i>Physical Review Letters</i> , <b>1990</b> , 64, 987-990                           | 7-4 | 57 |
| 445 | 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> , <b>2013</b> , 2013, 1         | 5-4 | 56 |

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| 444 | 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> , <b>2013</b> , 73, 1   | 4.2 | 56 |
| 443 | Long-range and short-range dihadron angular correlations in central PbPb collisions at ( $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1   | 5.4 | 56 |
| 442 | B meson decays to $(P)K^*$ , $(P)\rho(P)\rho$ , $\rho$ , and $\rho$ . <i>Physical Review D</i> , <b>2004</b> , 70,   | 4.9 | 56 |
| 441 | 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> , <b>2015</b> , 75, 251  | 4.2 | 55 |
| 440 | Search for supersymmetric particles in $e+e$ collisions at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 373, 246-260  | 4.2 | 54 |
| 439 | Measurement of $\beta_s$ in hadronic Z decays using all-orders resummed predictions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 284, 163-176  | 4.2 | 53 |
| 438 | Search for ( $B_{(s)}^0 \rightarrow \bar{c} \mu$ ) and $B^0 \rightarrow \bar{c} \mu$ decays. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1   | 5.4 | 52 |
| 437 | Measurement of the strong coupling constant $\beta_s$ from global event-shape variables of hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 255, 623-633   | 4.2 | 52 |
| 436 | 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> , <b>2015</b> , 75, 147  | 4.2 | 50 |
| 435 | 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> , <b>2013</b> , 73, 1 | 4.2 | 50 |
| 434 | Search for the standard model Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 313, 299-311  | 4.2 | 50 |
| 433 | 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> , <b>2013</b> , 73, 2469  | 4.2 | 49 |
| 432 | 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> , <b>2015</b> , 75, 237  | 4.2 | 48 |
| 431 | 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> , <b>2014</b> , 2014, 1  | 5.4 | 48 |
| 430 | Measurement of the ( $t\bar{t}$ ) production cross section and the top quark mass in the dilepton channel in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1  | 5.4 | 48 |
| 429 | Measurement of $\beta_s$ from scaling violations in fragmentation functions in $e+e$ annihilation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 357, 487-499  | 4.2 | 48 |
| 428 | Measurement of the relative prompt production rate of and in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2012</b> , 72, 2251   | 4.2 | 46 |
| 427 | 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> , <b>2011</b> , 2011, 1   | 5.4 | 46 |

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| 426 | 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> , <b>2011</b> , 2011, 1  | 5-4 | 46 |
| 425 | Exclusive $\bar{b} \rightarrow \bar{c} \mu \mu$ production in proton-proton collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1   | 5-4 | 45 |
| 424 | Search for the associated production of the Higgs boson with a top-quark pair. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1  | 5-4 | 45 |
| 423 | Search for exclusive or semi-exclusive $\bar{b} \rightarrow \bar{c} \mu \mu$ production and observation of exclusive and semi-exclusive $e^+e^- \mu \mu$ production in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1 | 5-4 | 45 |
| 422 | 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> , <b>2013</b> , 73, 2283   | 4-2 | 45 |
| 421 | A study of $\bar{b} \rightarrow \bar{c} \mu \mu$ decays involving $\mu$ and $\mu$ mesons. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1997</b> , 74, 263-273  |     | 45 |
| 420 | Measurement of the X(3872) production cross section via decays to $J/\psi \mu \mu$ in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1  | 5-4 | 44 |
| 419 | 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> , <b>2012</b> , 2012, 1   | 5-4 | 44 |
| 418 | Charged particle transverse momentum spectra in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1  | 5-4 | 44 |
| 417 | Production of $K^0$ and $\pi^0$ in hadronic Z decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1994</b> , 64, 361-373  |     | 44 |
| 416 | Measurement of the ( $\tau^+ \tau^-$ ) production cross section in the dilepton channel in pp collisions at ( $\sqrt{s} = 8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1   | 5-4 | 43 |
| 415 | 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> , <b>2013</b> , 2013, 1   | 5-4 | 43 |
| 414 | Search for leptonic decays of $W^\pm$ bosons in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1  | 5-4 | 43 |
| 413 | Measurement of $\bar{b} \rightarrow \bar{c} \mu \mu$ from the structure of particle clusters produced in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 257, 479-491                            | 4-2 | 43 |
| 412 | Measurements of charged-particle inclusive distributions in hadronic decays of the Z boson. <i>Physical Review Letters</i> , <b>1990</b> , 64, 1334-1337  | 7-4 | 43 |
| 411 | Event activity dependence of ( $\Upsilon$ )(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> , <b>2014</b> , 2014, 1   | 5-4 | 42 |
| 410 | Production and decay of charmed mesons at the Z resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 266, 218-230   | 4-2 | 42 |
| 409 | 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> , <b>2015</b> , 75, 186                                | 4-2 | 41 |

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|-----|---|-----|----|
| 408 | Measurement of prompt $J/\psi$ pair production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1  | 5.4 | 41 |
| 407 | 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> , <b>2012</b> , 2012, 1  | 5.4 | 41 |
| 406 | An investigation of $B_d^0$ and $B_s^0$ oscillation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 322, 441-458   | 4.2 | 41 |
| 405 | 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 |
| 404 | 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 |
| 403 | A measurement of $ V_{cb} $ from. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 359, 236-248  | 4.2 | 40 |
| 402 | Studies of jet mass in dijet and $W/Z + \text{jet}$ events. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1   | 5.4 | 39 |
| 401 | Study of the underlying event at forward rapidity in pp collisions at $(\sqrt{s}=0.9, 2.76, \text{and } 7 \text{ TeV})$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1   | 5.4 | 39 |
| 400 | Measurement of the ZZ production cross section and search for anomalous couplings in $2\mu\mu$ final states in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1   | 5.4 | 39 |
| 399 | 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> , <b>2011</b> , 2011, 1   | 5.4 | 39 |
| 398 | 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> , <b>2014</b> , 2014, 1  | 5.4 | 38 |
| 397 | Search for microscopic black holes in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1  | 5.4 | 38 |
| 396 | 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> , <b>2011</b> , 2011, 1   | 5.4 | 38 |
| 395 | Measurement of the effective b quark fragmentation function at the Z resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 357, 699-714  | 4.2 | 38 |
| 394 | Search for CP violation in $Z \rightarrow \mu\mu$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 297, 459-468  | 4.2 | 38 |
| 393 | Searches for new quarks and leptons produced in Z-boson decay. <i>Physical Review Letters</i> , <b>1989</b> , 63, 2447-2451   | 4.2 | 38 |
| 392 | Measurement of the $[ \text{Formula: see text} ]$ cross section in pp collisions at $[ \text{Formula: see text} ]$ TeV and limits on anomalous gauge couplings. <i>European Physical Journal C</i> , <b>2016</b> , 76, 401  | 4.2 | 38 |
| 391 | Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at $[ \text{Formula: see text} ] [ \text{Formula: see text} ]$ . <i>European Physical Journal C</i> , <b>2015</b> , 75, 288 | 4.2 | 37 |



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| 390 | 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> , <b>2016</b> , 76, 469                              | 4.2 | 37 |
| 389 | Measurement of associated W + charm production in pp collisions at ( $\sqrt{s}$ ) = 7 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1  | 5.4 | 37 |
| 388 | Jet production rates in association with W and Z bosons in pp collisions at ( $\sqrt{s}$ ) = 7 TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1   | 5.4 | 37 |
| 387 | 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> , <b>2013</b> , 73, 2494   | 4.2 | 37 |
| 386 | 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> , <b>2013</b> , 2013, 1                       | 5.4 | 37 |
| 385 | 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> , <b>2014</b> , 74, 1                   | 4.2 | 37 |
| 384 | Measurement of the $B_c$ meson lifetimes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 307, 194-208  | 4.2 | 37 |
| 383 | 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 |
| 382 | Measurement of the top-quark mass in ( $\overline{t}t$ ) events with dilepton final states in pp collisions at ( $\sqrt{s}$ ) = 7 TeV. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1                                     | 4.2 | 36 |
| 381 | First measurement of the underlying event activity at the LHC with ( $\sqrt{s}$ ) = 0.9 TeV. <i>European Physical Journal C</i> , <b>2010</b> , 70, 555-572   | 4.2 | 36 |
| 380 | Single- and multi-photon production in $e^+e^-$ collisions at a centre-of-mass energy of 183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 429, 201-214              | 4.2 | 36 |
| 379 | Measurement of the $B$ polarization in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 365, 437-447   | 4.2 | 36 |
| 378 | Measurement of the forward-backward asymmetry in $e^+e^-$ and $e^+e^- \rightarrow \mu^+\mu^-$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 263, 325-336                | 4.2 | 36 |
| 377 | 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 |
| 376 | 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> , <b>2016</b> , 76, 13                              | 4.2 | 35 |
| 375 | 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> , <b>2013</b> , 2013, 1  | 5.4 | 35 |
| 374 | Measurement of the ( $\overline{t}t$ ) 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> , <b>2011</b> , 71, 1 | 4.2 | 35 |
| 373 | Quark and gluon jet properties in symmetric three-jet events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 384, 353-364  | 4.2 | 35 |

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| 372 | Evidence for b baryons in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 278, 209-216  | 4.2 | 35 |
| 371 | 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 |
| 370 | 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 |
| 369 | Search for microscopic black holes in pp collisions at ( $\sqrt{s} = \text{7TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1  | 5.4 | 34 |
| 368 | Search for heavy stable charged particles in pp collisions at ( $\sqrt{s} = 7\text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1   | 5.4 | 34 |
| 367 | Resonant structure and flavour tagging in the $B\bar{B}$ system using fully reconstructed B decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 425, 215-226            | 4.2 | 34 |
| 366 | Measurement of charge asymmetry in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 259, 377-388  | 4.2 | 34 |
| 365 | Search for decays of stopped long-lived particles produced in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2015</b> , 75, 151   | 4.2 | 33 |
| 364 | 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> , <b>2013</b> , 2013, 1  | 5.4 | 33 |
| 363 | Mass limit for the standard model Higgs boson with the full LEP I ALEPH data sample. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 384, 427-438                           | 4.2 | 33 |
| 362 | Production of charmed mesons in Z decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1994</b> , 62, 1-14   |     | 33 |
| 361 | Observation of the semileptonic decays of $B^0$ and $\bar{B}^0$ hadrons at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 294, 145-156                                | 4.2 | 33 |
| 360 | Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1  | 5.4 | 32 |
| 359 | Search for resonances in the dilepton mass distribution in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1   | 5.4 | 32 |
| 358 | 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> , <b>2011</b> , 2011, 1                            | 5.4 | 32 |
| 357 | Measurement of the Drell-Yan cross section in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1  | 5.4 | 32 |
| 356 | Measurements of mean lifetime and branching fractions of b hadrons decaying to $J/\psi$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 295, 396-408                      | 4.2 | 32 |
| 355 | The Mark II detector for the SLC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1989</b> , 281, 55-80                                 | 1.2 | 32 |

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|-----|--|-----|----|
| 354 | Measurement of the production rates of $\bar{t}$ and $t$ in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 292, 210-220                              | 4.2 | 31 |
| 353 | Measurement of the $(\overline{\text{t}}\text{t})$ production cross section in the $e\bar{e}$ channel in proton-proton collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1     | 5.4 | 30 |
| 352 | Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1   | 5.4 | 30 |
| 351 | Inclusive b-jet production in pp collisions at $(\sqrt{s} = 7\text{TeV})$ . <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1  | 5.4 | 30 |
| 350 | Observation of Z decays to four leptons with the CMS detector at the LHC. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1  | 5.4 | 30 |
| 349 | Measurement of the top-quark mass in $(\overline{\text{t}}\text{t})$ events with lepton+jets final states in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1                  | 5.4 | 30 |
| 348 | Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $(\sqrt{s} = 7\text{TeV})$ . <i>European Physical Journal C</i> , <b>2012</b> , 72, 1  | 4.2 | 30 |
| 347 | Study of the $B_s^0\bar{B}_s^0$ oscillation frequency using $D_s^{\pm}$ combinations in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 377, 205-221           | 4.2 | 30 |
| 346 | First measurement of the BS meson mass. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 311, 425-436   | 4.2 | 30 |
| 345 | 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 |
| 344 | Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or 3 b-quark jets in 7 TeV pp collisions using the variable $\cancel{E}_T$ . <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1  | 5.4 | 29 |
| 343 | Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3060                    | 4.2 | 29 |
| 342 | Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 3129                                 | 4.2 | 29 |
| 341 | A measurement of $R_b$ using a lifetime-mass tag. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 401, 150-162   | 4.2 | 29 |
| 340 | Z production cross sections and lepton pair forward-backward asymmetries. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1994</b> , 62, 539-550   |     | 29 |
| 339 | Evidence for the triple-gluon vertex from measurements of the QCD colour factors in Z decay into four jets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 284, 151-162 | 4.2 | 29 |
| 338 | Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1   | 5.4 | 28 |
| 337 | Measurement of the W mass in $e^+e^-$ collisions at production threshold. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 401, 347-362                                   | 4.2 | 28 |

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| 336 | Measurement of triple gauge-boson couplings at 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 422, 369-383  | 4.2 | 28 |
| 335 | Strange b baryon production and lifetime in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 384, 449-460  | 4.2 | 28 |
| 334 | Measurement of B- mixing at the Z. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 258, 236-246   | 4.2 | 28 |
| 333 | 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 |
| 332 | Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at ( $\sqrt{s}=7\text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1   | 5.4 | 27 |
| 331 | 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> , <b>2011</b> , 2011, 1                          | 5.4 | 27 |
| 330 | Search for the neutral Higgs bosons of the MSSM in $e^+e^-$ collisions at from 130 to 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 412, 173-188       | 4.2 | 27 |
| 329 | Reconstruction of the signal amplitude of the CMS electromagnetic calorimeter. <i>European Physical Journal C</i> , <b>2006</b> , 46, 23-35   | 4.2 | 27 |
| 328 | Study of the subjet structure of quark and gluon jets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 346, 389-398   | 4.2 | 27 |
| 327 | Correlation measurements in $Z \rightarrow \tau\tau$ and the $\tau$ neutrino helicity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 321, 168-176               | 4.2 | 27 |
| 326 | Measurement of the ratio using event shape variables. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 313, 549-563  | 4.2 | 27 |
| 325 | Measurement of electroweak parameters from Z decays into fermion pairs. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1990</b> , 48, 365-391  |     | 27 |
| 324 | 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 |
| 323 | Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at ( $\sqrt{s}$ ) = 7 TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1 | 5.4 | 26 |
| 322 | Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at ( $\sqrt{s} = 7,\text{TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1                            | 5.4 | 26 |
| 321 | A measurement of $R_b$ using mutually exclusive tags. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 401, 163-175  | 4.2 | 26 |
| 320 | First measurements of hadronic decays of the Z boson. <i>Physical Review Letters</i> , <b>1989</b> , 63, 1558-1561  | 7.4 | 26 |
| 319 | COMET Phase-I technical design report. <i>Progress of Theoretical and Experimental Physics</i> , <b>2020</b> , 2020,  | 5.4 | 26 |

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| 318 | Measurement of the W-boson helicity in top-quark decays from $(\overline{\text{t}})$ production in lepton+jets events in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1   | 5.4 | 25 |
| 317 | 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 |
| 316 | Measurements of the $[ \text{Formula: see text} ] [ \text{Formula: see text} ]$ production cross sections in the $[ \text{Formula: see text} ]$ channel in proton-proton collisions at $[ \text{Formula: see text} ]$ and $[ \text{Formula: see text} ]$ and combined constraints on triple gauge couplings. <i>European Physical Journal C</i> , <b>2015</b> , 75, 511 | 4.2 | 25 |
| 315 | Search for resonant $(\overline{\text{t}})$ production in lepton+jets events in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1  | 5.4 | 25 |
| 314 | Measurement of the $e+e \rightarrow ZZ$ production cross section at centre-of-mass energies of 183 and 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 469, 287-302  | 4.2 | 25 |
| 313 | Measurement of the $B_s^0$ lifetime and production rate with $D_s^{\mp}$ combinations in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 361, 221-233   | 4.2 | 25 |
| 312 | Measurement of isolated photon production in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 264, 476-486  | 4.2 | 25 |
| 311 | A measurement of the b baryon lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 297, 449-458  | 4.2 | 25 |
| 310 | Measurement of mixing at the Z using a jet-charge method. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 284, 177-190  | 4.2 | 25 |
| 309 | Studies of jet production rates in $e+e \rightarrow \text{annihilation}$ at $E_{\text{cm}}=29$ GeV. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1989</b> , 43, 325-330  |     | 25 |
| 308 | 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 |
| 307 | Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $[ \text{Formula: see text} ]$ . <i>European Physical Journal C</i> , <b>2015</b> , 75, 325  | 4.2 | 24 |
| 306 | 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> , <b>2020</b> , 80, 75   | 4.2 | 24 |
| 305 | Measurement of inclusive jet production and nuclear modifications in pPb collisions at $[ \text{Formula: see text} ]$ . <i>European Physical Journal C</i> , <b>2016</b> , 76, 372  | 4.2 | 24 |
| 304 | Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $[ \text{Formula: see text} ]$ . <i>European Physical Journal C</i> , <b>2013</b> , 73, 2674  | 4.2 | 24 |
| 303 | Measurement of the $Z/\gamma + \text{b-jet}$ cross section in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1  | 5.4 | 24 |
| 302 | 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> , <b>2012</b> , 2012, 1   | 5.4 | 24 |
| 301 | Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\mu\tau$ channel in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1  | 5.4 | 24 |

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| 300 | Search for sleptons in $e+e$ collisions at centre-of-mass energies up to 184 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 433, 176-194  | 4.2 | 24 |
| 299 | Measurement of the $D^* \rightarrow \pi$ cross section in two photon collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 355, 595-605  | 4.2 | 24 |
| 298 | Updated measurement of the average b hadron lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 295, 174-186  | 4.2 | 24 |
| 297 | Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P10017-P10017  | 1   | 23 |
| 296 | Search for $W \rightarrow tb$ decays in the lepton + jets final state in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1   | 5.4 | 23 |
| 295 | Search for pair-production of long-lived heavy charged particles in $e+e$ annihilation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 405, 379-388  | 4.2 | 23 |
| 294 | Limit on $B_s$ oscillation using a jet charge method. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 356, 409-422  | 4.2 | 23 |
| 293 | Measurement of Tau branching ratios. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1992</b> , 54, 211-228   |     | 23 |
| 292 | 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 |
| 291 | Measurement of the $[ \text{Formula: see text} ]$ production cross section using events in the $[ \text{Formula: see text} ]$ final state in pp collisions at $[ \text{Formula: see text} ]$ . <i>European Physical Journal C</i> , <b>2017</b> , 77, 172                             | 4.2 | 22 |
| 290 | 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 |
| 289 | Measurement of Bose-Einstein correlations in pp collisions at $(\sqrt{s} = 0.9)$ and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1   | 5.4 | 22 |
| 288 | Measurement of the WZ production cross section in pp collisions at $[ \text{Formula: see text} ]$ and $8 [ \text{Formula: see text} ]$ and search for anomalous triple gauge couplings at $[ \text{Formula: see text} ]$ . <i>European Physical Journal C</i> , <b>2017</b> , 77, 236 | 4.2 | 21 |
| 287 | A search for new phenomena in pp collisions at $[ \text{Formula: see text} ]$ in final states with missing transverse momentum and at least one jet using the $[ \text{Formula: see text} ]$ variable. <i>European Physical Journal C</i> , <b>2017</b> , 77, 294                     | 4.2 | 21 |
| 286 | Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $[ \text{Formula: see text} ]$ . <i>European Physical Journal C</i> , <b>2015</b> , 75, 66   | 4.2 | 21 |
| 285 | Measurement of the $[ \text{Formula: see text} ]$ production cross section in the all-jets final state in pp collisions at $[ \text{Formula: see text} ] [ \text{Formula: see text} ]$ . <i>European Physical Journal C</i> , <b>2016</b> , 76, 128                                   | 4.2 | 21 |
| 284 | Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1   | 5.4 | 21 |
| 283 | Measurement of the top-quark mass in all-jets $[ \text{Formula: see text} ]$ events in pp collisions at $[ \text{Formula: see text} ]$ TeV. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2758   | 4.2 | 21 |

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| 282 | Measurement of the $\bar{t}t$ production cross section in the $\mu\mu$ jets channel in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , <b>2013</b> , 73, 1   | 4.2 | 21 |
| 281 | 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 |
| 280 | 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 |
| 279 | Search for a Higgs boson in the decay channel $H \rightarrow ZZ^{(*)} \rightarrow q(\overline{q}) \mu\mu$ in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1                  | 5.4 | 21 |
| 278 | Inclusive b-hadron production cross section with muons in pp collisions at ( $\sqrt{s}=7$ ; TeV). <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1  | 5.4 | 21 |
| 277 | Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1  | 5.4 | 21 |
| 276 | The CMS barrel calorimeter response to particle beams from 2 to 350 GeV/c. <i>European Physical Journal C</i> , <b>2009</b> , 60, 359-373  | 4.2 | 21 |
| 275 | Scalar quark searches in $e+e$ collisions at $s=181\text{--}184$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 434, 189-199   | 4.2 | 21 |
| 274 | Searches for sleptons and squarks in $e+e$ collisions at 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 469, 303-314   | 4.2 | 21 |
| 273 | Search for CP violation in the decay $Z \rightarrow \mu\mu$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 346, 371-378   | 4.2 | 21 |
| 272 | Measurement of the B hadron lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 257, 492-504   | 4.2 | 21 |
| 271 | Measurement of the tau lepton lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 279, 411-421   | 4.2 | 21 |
| 270 | Search for particles with unexpected mass and charge in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 303, 198-208   | 4.2 | 21 |
| 269 | Searches for supersymmetric particles produced in Z-boson decay. <i>Physical Review Letters</i> , <b>1990</b> , 64, 2984-2987  | 7.4 | 21 |
| 268 | Measurement of $[t\bar{t}]$ production with additional jet activity, including $[t\bar{t}]$ quark jets, in the dilepton decay channel using pp collisions at $[7]$ TeV. <i>European Physical Journal C</i> , <b>2016</b> , 76, 379 | 4.2 | 20 |
| 267 | 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 |
| 266 | Measurement of the production cross section for pairs of isolated photons in pp collisions at ( $\sqrt{s}=7$ ; TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1   | 5.4 | 20 |
| 265 | 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 |

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| 264 | A measurement of the gluon splitting rate into pairs in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 434, 437-450  | 4.2 | 20 |
| 263 | Results of the first performance tests * of the CMS electromagnetic calorimeter. <i>European Physical Journal C</i> , <b>2006</b> , 44, 1-10   | 4.2 | 20 |
| 262 | A study of production in semileptonic B decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 345, 103-114  | 4.2 | 20 |
| 261 | Measurements of the [Formula: see text] production cross section in lepton+jets final states in pp collisions at 8 [Formula: see text] and ratio of 8 to 7 [Formula: see text] cross sections. <i>European Physical Journal C</i> , <b>2017</b> , 77, 15 | 4.2 | 19 |
| 260 | Search for resonant and nonresonant Higgs boson pair production in the ( $\overline{b}b$ ) 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 |
| 259 | Search for massive WH resonances decaying into the [Formula: see text] final state at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 237  | 4.2 | 19 |
| 258 | Measurement of exclusive photoproduction from protons in Pb collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 277  | 4.2 | 19 |
| 257 | Measurement of energy flow at large pseudorapidities in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1   | 5.4 | 19 |
| 256 | Updated measurement of the $\tau$ lepton lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 414, 362-372  | 4.2 | 19 |
| 255 | Measurements of the b baryon lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 357, 685-698  | 4.2 | 19 |
| 254 | Search for excited leptons at 130-140 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 385, 445-453  | 4.2 | 19 |
| 253 | Measurement of the absolute luminosity with the ALEPH detector. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1992</b> , 53, 375-390   |     | 19 |
| 252 | Update of electroweak parameters from Z decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1993</b> , 60, 71-81   |     | 19 |
| 251 | Measurement of the $b\bar{b}$ fraction in hadronic Z decays. <i>Physical Review Letters</i> , <b>1990</b> , 64, 1211-1214  | 7.4 | 19 |
| 250 | 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 |
| 249 | 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 |
| 248 | 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 |
| 247 | . <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1  | 5.4 | 18 |



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| 246 | 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 |
| 245 | Search for the $B_c$ meson in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 402, 213-226  | 4.2 | 18 |
| 244 | Searches for scalar top and scalar bottom quarks at LEP2. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 413, 431-446   | 4.2 | 18 |
| 243 | Search for supersymmetry in the photon(s) plus missing energy channels at GeV and 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 420, 127-139                                    | 4.2 | 18 |
| 242 | Measurement of hadron and lepton-pair production from $e^+e^-$ annihilation at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 378, 373-384    | 4.2 | 18 |
| 241 | One-prong $\tau$ decays into charged kaons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 332, 209-218   | 4.2 | 18 |
| 240 | 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 |
| 239 | Measurement of the inclusive jet cross section in pp collisions at ( $\sqrt{s} = 2.76$ , text {TeV}). <i>European Physical Journal C</i> , <b>2016</b> , 76, 1   | 4.2 | 17 |
| 238 | 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 |
| 237 | Search for stopped long-lived particles produced in pp collisions at ( $\sqrt{s} = \text{7TeV}$ ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1   | 5.4 | 17 |
| 236 | Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at ( $\sqrt{s} = 7$ mathrm{TeV}). <i>European Physical Journal C</i> , <b>2012</b> , 72, 1                 | 4.2 | 17 |
| 235 | Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1   | 5.4 | 17 |
| 234 | Charged particle pair production associated with a lepton pair in Z decays. indication of an excess in the tau channel. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 263, 112-122       | 4.2 | 17 |
| 233 | Measurement of the tau polarisation at the Z resonance. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1993</b> , 59, 369-386   |     | 17 |
| 232 | 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 |
| 231 | Searches for physics beyond the standard model with the variable in hadronic final states with and without disappearing tracks in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 3                            | 4.2 | 16 |
| 230 | Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tau$ leptons in pp collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1                  | 5.4 | 16 |
| 229 | Measurement of WZ and ZZ production in pp collisions at [Formula: see text] in final states with b-tagged jets. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2973  | 4.2 | 16 |

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| 228 | Search for exotic resonances decaying into WZ/ZZ in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1   | 5.4 | 16 |
| 227 | A study of single and multi-photon production in $e+e$ collisions at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 384, 333-342        | 4.2 | 16 |
| 226 | Charm counting in b decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 388, 648-658   | 4.2 | 16 |
| 225 | Measurement of the $b\bar{b}$ fraction in hadronic Z0 decays with precision vertex detectors. <i>Physical Review Letters</i> , <b>1991</b> , 67, 3347-3350   | 7.4 | 16 |
| 224 | 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 |
| 223 | Measurements of the associated production of a Z boson and b jets in pp collisions at. <i>European Physical Journal C</i> , <b>2017</b> , 77, 751  | 4.2 | 15 |
| 222 | Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at ( $\sqrt{s}=7$ ) and 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1 | 5.4 | 15 |
| 221 | Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at ( $\sqrt{s}$ ) = 7 TeV. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1                                       | 5.4 | 15 |
| 220 | Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1   | 5.4 | 15 |
| 219 | Search for supersymmetry in pp collisions at [Formula: see text] TeV in events with a single lepton, jets, and missing transverse momentum. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2404                                      | 4.2 | 15 |
| 218 | The new ALEPH Silicon Vertex Detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1998</b> , 409, 157-160                                   | 1.2 | 15 |
| 217 | Measurement of the W mass by direct reconstruction in $e+e$ collisions at 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 422, 384-398                                      | 4.2 | 15 |
| 216 | Study of $D^0\bar{D}^0$ mixing and $D^0$ doubly Cabibbo-suppressed decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 436, 211-221  | 4.2 | 15 |
| 215 | Intercalibration of the barrel electromagnetic calorimeter of the CMS experiment at start-up. <i>Journal of Instrumentation</i> , <b>2008</b> , 3, P10007-P10007   | 1   | 15 |
| 214 | Michel parameters and neutrino helicity from decay correlations in $Z \rightarrow \mu\mu$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 346, 379-388                             | 4.2 | 15 |
| 213 | Measurement of prompt photon production in hadronic Z decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1993</b> , 57, 17-35   |     | 15 |
| 212 | Measurement of Z decays into lepton pairs. <i>Physical Review Letters</i> , <b>1989</b> , 63, 2780-2783  | 7.4 | 15 |
| 211 | Upper limits on $D^{+/-}$ and $B^{+/-}$ decays to two leptons plus $\pi^{+/-}$ or $K^{+/-}$ . <i>Physical Review D</i> , <b>1990</b> , 41, 1384-1388   | 4.3 | 15 |

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| 210 | 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 |
| 209 | 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 |
| 208 | Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 460                                 | 4.2 | 14 |
| 207 | Measurement of the ( $\Lambda_{\text{b}}^0$ ) lifetime in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1   | 5.4 | 14 |
| 206 | Measurement of the ( $\overline{\text{t}}\text{t}$ ) production cross section in the all-jet final state in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1                         | 5.4 | 14 |
| 205 | Measurement of the ( $\overline{\text{t}}\text{t}$ ) 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 |
| 204 | Search for the Standard Model Higgs boson in $e^+e^-$ collisions at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 412, 155-172  | 4.2 | 14 |
| 203 | Search for supersymmetric particles with R-parity violation in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 349, 238-252  | 4.2 | 14 |
| 202 | Test of the flavour independence of $\beta$ s. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 355, 381-393  | 4.2 | 14 |
| 201 | $K_0$ production in one-prong $\Xi$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 332, 219-227   | 4.2 | 14 |
| 200 | Measurement of the charged multiplicity of events containing bottom hadrons at $E_{\text{c.m.}}=91$ GeV. <i>Physical Review D</i> , <b>1992</b> , 46, 453-456  | 4.9 | 14 |
| 199 | A precise measurement of the $\tau$ lepton lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 297, 432-448  | 4.2 | 14 |
| 198 | Search for contact interactions in the reactions $e^+e^- \rightarrow l^+l^-$ and $e^+e^- \rightarrow \mu^+\mu^-$ . <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1993</b> , 59, 215-229                                      |     | 14 |
| 197 | Three-prong $\Xi$ decays with charged kaons <b>1998</b> , 1, 65  |     | 14 |
| 196 | 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 |
| 195 | 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 |
| 194 | Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 325  | 4.2 | 13 |
| 193 | Measurement of exclusive $\pi^0$ photoproduction in ultraperipheral pPb collisions at. <i>European Physical Journal C</i> , <b>2019</b> , 79, 702  | 4.2 | 13 |

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| 192 | 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 |
| 191 | Probing color coherence effects in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2014</b> , 74, 2901  | 4.2 | 13 |
| 190 | Search for a fermiophobic Higgs boson in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1   | 5.4 | 13 |
| 189 | Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1   | 5.4 | 13 |
| 188 | Measurement of the mass difference between top and antitop quarks. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1  | 5.4 | 13 |
| 187 | Searches for the neutral Higgs bosons of the MSSM in $e+e$ collisions at centre-of-mass energies of 181–184 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 440, 419-434   | 4.2 | 13 |
| 186 | Bose-Einstein correlations in W-pair decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 478, 50-64   | 4.2 | 13 |
| 185 | A study of single W production in $e+e$ collisions at 183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 462, 389-400   | 4.2 | 13 |
| 184 | Observation of charmless hadronic B decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 384, 471-480  | 4.2 | 13 |
| 183 | Measurement of the b hadron lifetime with the dipole method. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 314, 459-470   | 4.2 | 13 |
| 182 | Measurement of ( $\bar{t}t$ ) normalised multi-differential cross sections in ( $pp$ ) collisions at ( $\sqrt{s}=13$ , 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 |
| 181 | Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at ( $\sqrt{s_{\mathrm{N};\mathrm{N}}}=2.76$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1  | 5.4 | 13 |
| 180 | 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 |
| 179 | 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 |
| 178 | Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1  | 5.4 | 12 |
| 177 | Measurement of the production cross section for ( $Z\gamma \rightarrow \nu \bar{\nu}$ ) in pp collisions at ( $\sqrt{s} = 7$ ) TeV and limits on ZZ and ZZ triple gauge boson couplings. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1  | 5.4 | 12 |
| 176 | Search for heavy quarks decaying into a top quark and a W or Z boson using lepton + jets events in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1   | 5.4 | 12 |
| 175 | Search for quark compositeness in dijet angular distributions from pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1   | 5.4 | 12 |

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| 174 | Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at ( $\sqrt{s}=7$ ;TeV ). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1  | 5.4 | 12 |
| 173 | Search for light resonances decaying into pairs of muons as a signal of new physics. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1   | 5.4 | 12 |
| 172 | Branching fraction and CP asymmetries of $B_0 \rightarrow K_0(S)K_0(S)K_0(S)$ . <i>Physical Review Letters</i> , <b>2005</b> , 95, 011801  | 4.4 | 12 |
| 171 | Measurement of W-pair production in e+e- collisions at 183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 453, 107-120                               | 4.2 | 12 |
| 170 | Improved measurement of the $B^0$ and $B^+$ meson lifetimes. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 71, 31-44  |     | 12 |
| 169 | Measurement of the mass of the $\bar{B}$ baryon. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 380, 442-452  | 4.2 | 12 |
| 168 | Determination of $\alpha_s$ from energy-energy correlations in e+e- annihilation at 29 GeV. <i>Physical Review D</i> , <b>1988</b> , 37, 3091-3102   | 4.9 | 12 |
| 167 | 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 |
| 166 | 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 |
| 165 | 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 |
| 164 | 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 |
| 163 | Measurement of jet multiplicity distributions in $[Formula: see text]$ production in pp collisions at $[Formula: see text]$ . <i>European Physical Journal C</i> , <b>2014</b> , 74, 3014                          | 4.2 | 11 |
| 162 | Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1                                    | 5.4 | 11 |
| 161 | Measurement of the underlying event activity in pp collisions at ( $\sqrt{s}=0.9$ ) and 7 TeV with the novel jet-area/median approach. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1               | 5.4 | 11 |
| 160 | Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>European Physical Journal C</i> , <b>2012</b> , 72, 1 | 4.2 | 11 |
| 159 | Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow \mu\mu\mu\mu$ decay channel in pp collisions at ( $\sqrt{s}=7$ ;TeV). <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1 | 5.4 | 11 |
| 158 | Determination of $A_{FB}^b$ using jet charge measurements in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 426, 217-230                        | 4.2 | 11 |
| 157 | Three-prong $\eta$ decays with charged kaons. <i>European Physical Journal C</i> , <b>1998</b> , 1, 65-79  | 4.2 | 11 |

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| 156 | Measurement of the W mass in e+e- collisions at 183 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 453, 121-137  | 4.2 | 11 |
| 155 | Search for heavy lepton pair production in e+e- collisions at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 384, 439-448   | 4.2 | 11 |
| 154 | Search for doubly charged Higgs scalars in Z decay. <i>Physical Review Letters</i> , <b>1990</b> , 64, 2877-2880   | 7.4 | 11 |
| 153 | Measurement of the B0-meson lifetime. <i>Physical Review Letters</i> , <b>1990</b> , 64, 1095-1098   | 7.4 | 11 |
| 152 | Measurements of differential Z boson production cross sections in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1   | 5.4 | 11 |
| 151 | Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s}$ = 13 TeV. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P02027-P02027  | 1   | 11 |
| 150 | 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 |
| 149 | Measurements of the pp → WZ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1                                 | 5.4 | 10 |
| 148 | A multi-dimensional search for new heavy resonances decaying to boosted $\tau$ , $\mu$ , 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 |
| 147 | Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at ( $\sqrt{s}$ ) = 8 TeV using H → WW decays. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1  | 5.4 | 10 |
| 146 | Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at ( $\sqrt{s}$ ) = 7 TeV. <i>Journal of High Energy Physics</i> , <b>2013</b> , 2013, 1 | 5.4 | 10 |
| 145 | Search for physics beyond the standard model in events with leptons, jets, and large transverse momentum imbalance in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2013</b> , 73, 2493  | 4.2 | 10 |
| 144 | Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at ( $\sqrt{s}$ ) = 7 TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1  | 5.4 | 10 |
| 143 | Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at ( $\sqrt{s}$ ) = 7 TeV. <i>Journal of High Energy Physics</i> , <b>2011</b> , 2011, 1  | 5.4 | 10 |
| 142 | Radiation hardness qualification of PbWO4 scintillation crystals for the CMS Electromagnetic Calorimeter. <i>Journal of Instrumentation</i> , <b>2010</b> , 5, P03010-P03010   | 1   | 10 |
| 141 | Measurement of the branching fraction for D0 → Kπ. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 403, 367-376  | 4.2 | 10 |
| 140 | A precise measurement of the average b hadron lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 369, 151-162   | 4.2 | 10 |
| 139 | A reanalysis of B0-B0 mixing in e+e- annihilation at 29 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 240, 289-296  | 4.2 | 10 |

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| 138 | 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 |
| 137 | Search for associated production of dark matter with a Higgs boson decaying to ( $\overline{b}b$ ) or $\tau\tau$ ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2017</b> , 2017, 1                                     | 5.4 | 9  |
| 136 | Study of muon-pair production at centre-of-mass energies from 20 to 136 GeV with the ALEPH detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 399, 329-341                 | 4.2 | 9  |
| 135 | Search for sleptons in $e^+e^-$ collisions at centre-of-mass energies of 161 GeV and 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 407, 377-388                        | 4.2 | 9  |
| 134 | Search for the standard model Higgs boson at the LEP2 Collider near $\sqrt{s}=183$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 447, 336-351                              | 4.2 | 9  |
| 133 | Search for an invisibly decaying Higgs boson in $e^+e^-$ collisions at 189 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 466, 50-60  | 4.2 | 9  |
| 132 | Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $[Formula: see text]$ pair in proton-proton collisions at $[Formula: see text]$ . <i>European Physical Journal C</i> , <b>2016</b> , 76, 317 | 4.2 | 9  |
| 131 | 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  |
| 130 | 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  |
| 129 | Measurement of top quark pair production in association with a Z boson in proton-proton collisions at ( $\sqrt{\mathit{m}{s}}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1                                  | 5.4 | 8  |
| 128 | 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  |
| 127 | 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  |
| 126 | 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  |
| 125 | Measurement of the transverse spin correlations in the decay $Z \rightarrow \mu\mu$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 405, 191-201                                  | 4.2 | 8  |
| 124 | The forward-backward asymmetry for charm quarks at the Z. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 434, 415-425  | 4.2 | 8  |
| 123 | A direct measurement of $ V_{cs} $ in hadronic W decays using a charm tag. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 465, 349-362   | 4.2 | 8  |
| 122 | Measurement of the b forward-backward asymmetry and mixing using high- $p_T$ leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 384, 414-426                                | 4.2 | 8  |
| 121 | Search for CP violation in the decay $Z \rightarrow b\bar{b}g$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 384, 365-376   | 4.2 | 8  |

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| 120 | Search for elastic nondiagonal lepton-pair production in $e^+e^-$ annihilation at $\sqrt{s}=29$ GeV. <i>Physical Review Letters</i> , <b>1991</b> , 66, 1007-1010  | 7.4 | 8 |
| 119 | Search for long-lived massive neutrinos in Z decays. <i>Physical Review Letters</i> , <b>1990</b> , 64, 1091-1094  | 7.4 | 8 |
| 118 | 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 |
| 117 | Measurement of the production cross section of a $W\bar{\nu}$ 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 |
| 116 | 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 |
| 115 | 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 |
| 114 | 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 |
| 113 | Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $(\sqrt{\text{mathrm}\{s\}}) = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2020</b> , 2020, 1               | 5.4 | 7 |
| 112 | Measurement of the semileptonic $(\text{mathrm}\{t\}\overline{\text{mathrm}\{t\}}) + \bar{\nu}$ 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 |
| 111 | Measurement of the $Z\bar{\nu}$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. <i>Journal of High Energy Physics</i> , <b>2015</b> , 2015, 1                        | 5.4 | 7 |
| 110 | Measurement of the W-pair cross section in $e^+e^-$ collisions at 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 415, 435-444                                | 4.2 | 7 |
| 109 | Search for charged Higgs bosons in $e^+e^-$ collisions at centre-of-mass energies from 130 to 172 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 418, 419-429    | 4.2 | 7 |
| 108 | Search for single top production in $e^+e^-$ collisions at $\sqrt{s}=202$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2000</b> , 494, 33-45                              | 4.2 | 7 |
| 107 | Search for charged Higgs bosons in $e^+e^-$ collisions at $s = 181\bar{1}84$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 450, 467-478                         | 4.2 | 7 |
| 106 | The forward-backward asymmetry for charm quarks at the Z pole. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1995</b> , 352, 479-486  | 4.2 | 7 |
| 105 | Search for charginos and neutralinos with R-parity violation at. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 384, 461-470  | 4.2 | 7 |
| 104 | Production of excited beauty states in Z decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1995</b> , 69, 393-404  |     | 7 |
| 103 | Search for a new weakly interacting particle. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 262, 139-147   | 4.2 | 7 |



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| 102 | Search for high mass photon pairs in ( $f = e, \mu, \nu, q$ ) at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 308, 425-434   | 4.2 | 7 |
| 101 | Precision measurements of the SLC spectrometer magnets. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1989</b> , 281, 265-276        | 1.2 | 7 |
| 100 | Direct search for pair production of heavy stable charged particles in Z decays. <i>Physical Review Letters</i> , <b>1990</b> , 64, 2980-2983  | 7.4 | 7 |
| 99  | 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 |
| 98  | 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 |
| 97  | 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> , <b>2018</b> , 2018, 1       | 5.4 | 7 |
| 96  | 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> , <b>2018</b> , 2018, 1    | 5.4 | 7 |
| 95  | Search for a heavy resonance decaying into a Z boson and a Z or W boson in $Zq$ final states at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1   | 5.4 | 7 |
| 94  | Search for dark matter produced in association with a Higgs boson decaying to $\tau\bar{\tau}$ ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1  | 5.4 | 7 |
| 93  | Precision luminosity measurement in proton-proton collisions at in 2015 and 2016 at CMS. <i>European Physical Journal C</i> , <b>2021</b> , 81, 800  | 4.2 | 7 |
| 92  | 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> , <b>2015</b> , 2015, 1                                     | 5.4 | 6 |
| 91  | 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 |
| 90  | Measurement of dijet azimuthal decorrelation in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , <b>2016</b> , 76, 536   | 4.2 | 6 |
| 89  | Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at ( $\sqrt{s}=7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1                                      | 5.4 | 6 |
| 88  | Search for the standard model Higgs boson at the LEP2 collider near $s=183$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 440, 403-418                              | 4.2 | 6 |
| 87  | Measurement of triple gauge WW couplings at LEP2 using photonic events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 445, 239-248                                       | 4.2 | 6 |
| 86  | Four-jet final state production in $e^+e^-$ collisions at centre-of-mass energies of 130 and 136 GeV. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 71, 179-197   |     | 6 |
| 85  | Observation of monojet events and tentative interpretation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 334, 244-252   | 4.2 | 6 |

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| 84 | Search for a very light CP-odd neutral Higgs boson of the MSSM. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 285, 309-318  | 4.2 | 6 |
| 83 | Search for B-decay to Higgs bosons for Higgs boson masses between 50 and 210 MeV/c <sup>2</sup> . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1989</b> , 229, 169-174                | 4.2 | 6 |
| 82 | Particle identification using in the mark II detector at the SLC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1989</b> , 283, 617-621 | 1.2 | 6 |
| 81 | Search for nonminimal neutral Higgs bosons from Z-boson decays. <i>Physical Review Letters</i> , <b>1990</b> , 64, 2887-28846   | 4.2 | 6 |
| 80 | Search for the associated production of the Higgs boson with a top-quark pair <b>2014</b> , 2014, 1   | 4.2 | 6 |
| 79 | Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at ( $\sqrt{s}=8$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1                        | 5.4 | 6 |
| 78 | Measurement of the differential Drell-Yan cross section in proton-proton collisions at ( $\sqrt{s}$ ) = 13 TeV. <i>Journal of High Energy Physics</i> , <b>2019</b> , 2019, 1   | 5.4 | 6 |
| 77 | 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 |
| 76 | 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 |
| 75 | Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at ( $\sqrt{s}=13$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2018</b> , 2018, 1   | 5.4 | 6 |
| 74 | 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 |
| 73 | Measurement of the mass of the top quark in decays with a J/ψ meson in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , <b>2016</b> , 2016, 1  | 5.4 | 5 |
| 72 | Determination of the LEP centre-of-mass energy from Z events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 464, 339-349  | 4.2 | 5 |
| 71 | Search for invisible Higgs boson decays in e+e- collisions at centre-of-mass energies up to 184 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 450, 301-312             | 4.2 | 5 |
| 70 | Determination of sin <sup>2</sup> θ <sub>eff</sub> using jet charge measurements in hadronic Z decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 71, 357-378   | 4.2 | 5 |
| 69 | First measurement of the quark-to-photon fragmentation function. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1995</b> , 69, 365-377   | 4.2 | 5 |
| 68 | Measurement of energy flow at large pseudorapidities in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV <b>2011</b> , 2011, 1   | 4.2 | 5 |
| 67 | 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 |

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| 66 | 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> , <b>2021</b> , 81, 378            | 4.2 | 5 |
| 65 | Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 488   | 4.2 | 5 |
| 64 | Search for top squark pair production using dilepton final states in collision data collected at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 3   | 4.2 | 5 |
| 63 | 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 |
| 62 | Search for the pair production of light top squarks in the $e\bar{e}$ 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 |
| 61 | 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 |
| 60 | 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 |
| 59 | Evidence for $(W)W$ production from double-parton interactions in proton-proton collisions at ( $\sqrt{s} = 13$ , TeV). <i>European Physical Journal C</i> , <b>2020</b> , 80, 1   | 4.2 | 4 |
| 58 | 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 |
| 57 | 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 |
| 56 | Search for high-mass $Z$ resonances in $e+e$ and $W+e$ 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 |
| 55 | Four-jet final state production in $e+e$ collisions at centre-of-mass energies ranging from 130 to 184 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1998</b> , 420, 196-204     | 4.2 | 4 |
| 54 | Mass limit for the lightest neutralino. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 72, 549-559   |     | 4 |
| 53 | Measurements of the charged particle multiplicity distribution in restricted rapidity intervals. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1995</b> , 69, 15-25  |     | 4 |
| 52 | Search for decays of the Z to unstable neutral leptons with mass between 2.5 and 22 GeV. <i>Physical Review D</i> , <b>1990</b> , 41, 3542-3545  | 4.9 | 4 |
| 51 | Measurement of differential cross sections and charge ratios for $\gamma$ -channel single top quark production in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 370                            | 4.2 | 4 |
| 50 | 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 |
| 49 | MUSiC: a model-unspecific search for new physics in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 629  | 4.2 | 4 |

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| 48 | Search for direct pair production of supersymmetric partners to the lepton in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 189  | 4.2 | 3 |
| 47 | 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 |
| 46 | Search for pair production of excited top quarks in the lepton + jets final state. <i>Journal of High Energy Physics</i> , <b>2014</b> , 2014, 1   | 5.4 | 3 |
| 45 | Measurement of the cross section for production of ( $\overline{b} X$ ) decaying to muons in pp collisions at ( $\sqrt{s} = 7$ ) TeV. <i>Journal of High Energy Physics</i> , <b>2012</b> , 2012, 1  | 5.4 | 3 |
| 44 | BABAR B DECAY RESULTS. <i>International Journal of Modern Physics A</i> , <b>2002</b> , 17, 2982-2997  | 1.2 | 3 |
| 43 | Four-fermion production in e+e $\mu$ collisions at centre-of-mass energies of 130 and 136 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1996</b> , 388, 419-430  | 4.2 | 3 |
| 42 | 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 |
| 41 | Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 970   | 4.2 | 3 |
| 40 | Improved measurement of the B <sup>0</sup> and B <sup>+</sup> meson lifetimes <b>1996</b> , 71, 31   |     | 3 |
| 39 | A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. <i>Computing and Software for Big Science</i> , <b>2020</b> , 4, 10  | 6   | 3 |
| 38 | Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at ( $\sqrt{s} = 13$ TeV). <i>Journal of High Energy Physics</i> , <b>2021</b> , 2021, 1   | 5.4 | 3 |
| 37 | Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 723  | 4.2 | 3 |
| 36 | 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 |
| 35 | 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 |
| 34 | Search for new phenomena with multiple charged leptons in proton-proton collisions at ( $\sqrt{s}=13$ ) ( $\text{TeV}$ ). <i>European Physical Journal C</i> , <b>2017</b> , 77, 1   | 4.2 | 2 |
| 33 | Monitoring the stability of the ALEPH vertex detector. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>1999</b> , 78, 301-306  |     | 2 |
| 32 | Precision measurements of the SLC beam energy  |     | 2 |
| 31 | Study of central exclusive production in proton-proton collisions at and 13TeV. <i>European Physical Journal C</i> , <b>2020</b> , 80, 718   | 4.2 | 2 |

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| 30 | Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2020</b> , 80, 752                      | 4.2 | 2 |
| 29 | Search for supersymmetry in events with a photon, jets, -jets, and missing transverse momentum in proton-proton collisions at 13. <i>European Physical Journal C</i> , <b>2019</b> , 79, 444   | 4.2 | 1 |
| 28 | Improved tau polarisation measurement. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1995</b> , 69, 183-193  |     | 1 |
| 27 | Inclusive production of neutral vector mesons in hadronic Z decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1995</b> , 69, 379-392   |     | 1 |
| 26 | Measurement of D + s meson production in Z decays and of the B <sup>0</sup> s lifetime. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1995</b> , 69, 585-595   |     | 1 |
| 25 | A measurement of the Z boson resonance parameters at the SLC. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>1990</b> , 16, 201-204   |     | 1 |
| 24 | Development and validation of HERWIG tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , <b>2021</b> , 81, 312  | 4.2 | 1 |
| 23 | 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 |
| 22 | Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1         | 5.4 | 1 |
| 21 | 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 |
| 20 | 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 |
| 19 | Search for a heavy vector resonance decaying to a $\Upsilon$ boson and a Higgs boson in proton-proton collisions at. <i>European Physical Journal C</i> , <b>2021</b> , 81, 688  | 4.2 | 0 |
| 18 | Measurements of angular distance and momentum ratio distributions in three-jet and + two-jet final states in collisions. <i>European Physical Journal C</i> , <b>2021</b> , 81, 852  | 4.2 | 0 |
| 17 | Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1 | 5.4 | 0 |
| 16 | Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at .. <i>European Physical Journal C</i> , <b>2022</b> , 82, 153   | 4.2 | 0 |
| 15 | Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at .. <i>European Physical Journal C</i> , <b>2022</b> , 82, 290   | 4.2 | 0 |
| 14 | Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1            | 5.4 | 0 |
| 13 | Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1   | 5.4 | 0 |

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| 12 | Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1                 | 5-4 | ○ |
| 11 | Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1 | 5-4 | ○ |
| 10 | Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1        | 5-4 | ○ |
| 9  | 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>2022</b> , 2022, 1                          | 5-4 | ○ |
| 8  | 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 |   |
| 7  | Analysis of transverse momentum correlations in hadronic Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1999</b> , 447, 183-198                   | 4-2 |   |
| 6  | . <i>IEEE Transactions on Nuclear Science</i> , <b>1990</b> , 37, 1502-1505   | 1-7 |   |
| 5  | Mass limit for the lightest neutralino. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1996</b> , 72, 549-559  |     |   |
| 4  | Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. <i>Journal of Instrumentation</i> , <b>2020</b> , 15, P05002-P05002                                 | 1   |   |
| 3  | Radiation Tolerance of Online Trigger System for COMET Phase-I. <i>IEEE Transactions on Nuclear Science</i> , <b>2021</b> , 68, 2020-2027   | 1-7 |   |
| 2  | Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1                                  | 5-4 |   |
| 1  | Measurement of the inclusive $\overline{\text{t}}\text{t}$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , <b>2022</b> , 2022, 1   | 5-4 |   |