

Sergey Baranov

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292
papers

10,912
citations

55
h-index

88
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309
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11,806
ext. citations

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avg, IF

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L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 292 | Observation of associated near-side and away-side long-range correlations in $\sqrt{s(\text{NN})}=5.02$ TeV proton-lead collisions with the ATLAS detector. <i>Physical Review Letters</i> , 2013 , 110, 182302 | 7.4 | 333 |
| 291 | Improved luminosity determination in collisions at [Formula: see text] using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 2518 | 4.2 | 276 |
| 290 | Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , 2012 , 72, 1 | 4.2 | 232 |
| 289 | Performance of missing transverse momentum reconstruction in proton-proton collisions at ($\sqrt{s} = 7 \sim \text{TeV}$) with ATLAS. <i>European Physical Journal C</i> , 2012 , 72, 1 | 4.2 | 217 |
| 288 | Jet energy measurement with the ATLAS detector in proton-proton collisions at ($\sqrt{s}=7 \text{ TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1 | 4.2 | 209 |
| 287 | Search for new phenomena in final states with an energetic jet and large missing transverse momentum in collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 299 | 4.2 | 202 |
| 286 | Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2012 , 72, 1 | 4.2 | 199 |
| 285 | Jet energy measurement and its systematic uncertainty in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 17 | 4.2 | 194 |
| 284 | Luminosity determination in pp collisions at ($\sqrt{s} = 7$) TeV using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1 | 4.2 | 167 |
| 283 | Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 3130 | 4.2 | 166 |
| 282 | Small x phenomenology: summary and status. <i>European Physical Journal C</i> , 2002 , 25, 77-101 | 4.2 | 163 |
| 281 | Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2014 , 74, 2941 | 4.2 | 160 |
| 280 | Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. <i>European Physical Journal C</i> , 2014 , 74, 1 | 4.2 | 160 |
| 279 | Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2306 | 4.2 | 153 |
| 278 | Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at ($\sqrt{s_{\text{NN}}}) = 2.76$ TeV with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 143 |
| 277 | Measurement of the top quark-pair production cross section with ATLAS in pp collisions at ($\sqrt{s}=7$) TeV. <i>European Physical Journal C</i> , 2011 , 71, 1 | 4.2 | 138 |
| 276 | Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 124 |

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| 275 | Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $(\sqrt{s}) = 8\text{TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 120 |
| 274 | The CCFM Monte Carlo generator CASCADE Version 2.2.03. <i>European Physical Journal C</i> , 2010 , 70, 1237-1249 | 4.2 | 118 |
| 273 | Measurement of the inclusive $W\ell$ and $Z\ell$ cross sections in the e and μ decay channels in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. <i>Physical Review D</i> , 2012 , 85, | 4.9 | 117 |
| 272 | Search for charged Higgs bosons decaying via $H \rightarrow t\bar{t}$ (\overline{t}) events using pp collision data at $(\sqrt{s} = 7;\text{TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 112 |
| 271 | Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $(\sqrt{s}=8)\text{ TeV}$ proton-proton collision data. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 108 |
| 270 | Measurement of the $[\text{Formula: see text}]$ production cross-section using $[\text{Formula: see text}]$ events with $[\text{Formula: see text}]$ -tagged jets in $[\text{Formula: see text}]$ collisions at $[\text{Formula: see text}]$ and 8TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3109 | 4.2 | 107 |
| 269 | Search for doubly charged Higgs bosons in like-sign dilepton final states at $(\sqrt{s} = 7\text{ TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1 | 4.2 | 104 |
| 268 | Measurement of inclusive jet and dijet cross sections in proton-proton collisions at 7 TeV centre-of-mass energy with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1 | 4.2 | 103 |
| 267 | Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $[\text{Formula: see text}]$ in $[\text{Formula: see text}]$ collisions at $[\text{Formula: see text}]$ with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 349 | 4.2 | 94 |
| 266 | Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in $(\sqrt{s}=8)\text{ TeV}$ pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 92 |
| 265 | Measurement of $[\text{Formula: see text}]$ production with a veto on additional central jet activity in collisions at $[\text{Formula: see text}]\text{ TeV}$ using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2043 | 4.2 | 82 |
| 264 | Small-x phenomenology - summary and status 2002. <i>European Physical Journal C</i> , 2004 , 35, 67-98 | 4.2 | 80 |
| 263 | Measurement of the Z/ℓ boson transverse momentum distribution in pp collisions at $(\sqrt{s}=7)\text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 79 |
| 262 | Measurement of the charge asymmetry in top quark pair production in collisions at $[\text{Formula: see text}]$ using the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2039 | 4.2 | 78 |
| 261 | Search for heavy neutrinos and right-handed bosons in events with two leptons and jets in collisions at $[\text{Formula: see text}]$ with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 2056 | 4.2 | 78 |
| 260 | Observation of a new (b) state in radiative transitions to $(1S)$ and $(2S)$ at ATLAS. <i>Physical Review Letters</i> , 2012 , 108, 152001 | 7.4 | 77 |
| 259 | Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $(\sqrt{s}) = 8\text{ TeV}$ pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 76 |
| 258 | Search for a light charged Higgs boson in the decay channel $[\text{Formula: see text}]$ in $[\text{Formula: see text}]$ events using collisions at $[\text{Formula: see text}]$ with the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2465 | 4.2 | 76 |

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| 257 | Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1 | 5.4 | 74 |
| 256 | Search for production of [Formula: see text] resonances decaying to a lepton, neutrino and jets in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 209 | 4.2 | 73 |
| 255 | ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 72 |
| 254 | Measurement of the inclusive jet cross-section in collisions at [Formula: see text] and comparison to the inclusive jet cross-section at [Formula: see text] using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2509 | 4.2 | 71 |
| 253 | Rapidity gap cross sections measured with the ATLAS detector in pp collisions at ($\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1 | 4.2 | 70 |
| 252 | Small-x phenomenology [Summary of the 3rd Lund small-x workshop in 2004. <i>European Physical Journal C</i> , 2006 , 48, 53-105 | 4.2 | 70 |
| 251 | Highlights from the kT-factorization approach on the quarkonium production puzzles. <i>Physical Review D</i> , 2002 , 66, | 4.9 | 69 |
| 250 | Measurement of upsilon production in 7 TeV pp collisions at ATLAS. <i>Physical Review D</i> , 2013 , 87, | 4.9 | 68 |
| 249 | Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ($\sqrt{s}=8$) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 67 |
| 248 | Jet mass and substructure of inclusive jets in ($\sqrt{s} = 7$; TeV) pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 67 |
| 247 | Search for the (\overline{b}) decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1 | 5.4 | 64 |
| 246 | Search for resonant diboson production in the [Formula: see text] final state in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 69 | 4.2 | 62 |
| 245 | Search for dark matter in events with heavy quarks and missing transverse momentum in [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 92 | 4.2 | 60 |
| 244 | Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using (\sqrt{s}) = 7 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 | 60 |
| 243 | Measurement of the W- and Z/γ- production cross sections in proton-proton collisions at ($\sqrt{s} = 7$; TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1 | 5.4 | 58 |
| 242 | Search for charged Higgs bosons decaying via H → ττ in fully hadronic final states using pp collision data at (\sqrt{s}) = 8 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1 | 5.4 | 56 |
| 241 | Constraints on the off-shell Higgs boson signal strength in the high-mass and final states with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 335 | 4.2 | 56 |
| 240 | Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 55 |

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| 239 | Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1 | 4.2 | 55 |
| 238 | Measurements of the [Formula: see text] production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 82 | 4.2 | 54 |
| 237 | Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in ($\sqrt{s} = 8 \text{ TeV}$) pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 54 |
| 236 | Measurement of $W \mp Z$ production in proton-proton collisions at ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1 | 4.2 | 54 |
| 235 | Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 53 |
| 234 | Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1 | 4.2 | 53 |
| 233 | Search for direct top-squark pair production in final states with two leptons in pp collisions at ($\sqrt{s} = 8 \text{ TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 52 |
| 232 | Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at [Formula: see text] TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3157 | 4.2 | 52 |
| 231 | Measurement of the W boson polarization in top quark decays with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 52 |
| 230 | Double heavy meson production through double parton scattering in hadronic collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 705, 116-119 | 4.2 | 52 |
| 229 | Performance of the ATLAS muon trigger in pp collisions at [Formula: see text] TeV. <i>European Physical Journal C</i> , 2015 , 75, 120 | 4.2 | 51 |
| 228 | Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1 | 4.2 | 51 |
| 227 | Measurement of the production cross section of jets in association with a Z boson in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 50 |
| 226 | Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 208 | 4.2 | 50 |
| 225 | Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at [Formula: see text] [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 303 | 4.2 | 49 |
| 224 | Search for high-mass resonances decaying to dilepton final states in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 49 |
| 223 | Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb ⁻¹ of ($\sqrt{s} = 7 \text{ TeV}$) proton-proton collisions. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 48 |
| 222 | Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at ($\sqrt{s} = 7 \text{ TeV}$) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 47 |

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| 221 | Production of doubly flavored baryons in pp, ep, and gamma gamma collisions. <i>Physical Review D</i> , 1996 , 54, 3228-3236 | 4.9 | 47 |
| 220 | Search for a new resonance decaying to a or boson and a Higgs boson in the [Formula: see text] final states with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 263 | 4.2 | 46 |
| 219 | Light-quark and gluon jet discrimination in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3023 | 4.2 | 46 |
| 218 | Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with ($\sqrt{s}=8$) TeV pp collisions using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1 | 5.4 | 45 |
| 217 | Measurement of ZZ production in pp collisions at ($\sqrt{s}=7$) TeV and limits on anomalous ZZZ and ZZ couplings with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 45 |
| 216 | Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at [Formula: see text] TeV in 2010. <i>European Physical Journal C</i> , 2014 , 74, 3034 | 4.2 | 45 |
| 215 | Search for pair production of massive particles decaying into three quarks with the ATLAS detector in ($\sqrt{s}=7$; TeV) pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 45 |
| 214 | Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text] TeV collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 318 | 4.2 | 44 |
| 213 | Measurement of isolated-photon pair production in pp collisions at ($\sqrt{s}=7$; TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 44 |
| 212 | Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at ($\sqrt{s} = 7$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1 | 4.2 | 44 |
| 211 | Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. <i>European Physical Journal C</i> , 2011 , 71, 1 | 4.2 | 44 |
| 210 | Performance of jet substructure techniques for large-R jets in proton-proton collisions at ($\sqrt{s}=7$) TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 43 |
| 209 | Measurement of the cross section for top-quark pair production in pp collisions at ($\sqrt{s} = \{7\}, \{\text{TeV}\}$) with the ATLAS detector using final states with two high-p T leptons. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 43 |
| 208 | Measurement of the top quark mass with the template method in the [Formula: see text] channel using ATLAS data. <i>European Physical Journal C</i> , 2012 , 72, 2046 | 4.2 | 42 |
| 207 | Search for direct top squark pair production in events with a [Formula: see text] boson, [Formula: see text]-jets and missing transverse momentum in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 2883 | 4.2 | 41 |
| 206 | Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2013 , 73, 1 | 4.2 | 41 |
| 205 | Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in ($\sqrt{s}=7$ \sim TeV) proton-proton collisions with the ATLAS experiment. <i>European Physical Journal C</i> , 2011 , 71, 1 | 4.2 | 41 |
| 204 | Search for new particles in events with one lepton and missing transverse momentum in pp collisions at ($\sqrt{s} = 8$ TeV) with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 40 |

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| 203 | Measurement of top quark polarization in top-antitop events from proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. <i>Physical Review Letters</i> , 2013 , 111, 232002 | 7.4 | 40 |
| 202 | Interparticle correlations in the production of J/ψ pairs in proton-proton collisions. <i>Physical Review D</i> , 2013 , 87, | 4.9 | 40 |
| 201 | Semiperturbative and nonperturbative production of hadrons with two heavy flavors. <i>Physical Review D</i> , 1997 , 56, 3046-3056 | 4.9 | 40 |
| 200 | Search for supersymmetry at $(\sqrt{s}) = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 39 |
| 199 | A search for $(\overline{t}t)$ resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $(\sqrt{s} = 7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 39 |
| 198 | Observation and measurements of the production of prompt and non-prompt $[B_c]$ mesons in association with a $[B_c]$ boson in $[pp]$ collisions at $[7]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 229 | 4.2 | 38 |
| 197 | Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 38 |
| 196 | Semihard b-quark production at high energies versus data and other approaches. <i>Physical Review D</i> , 2000 , 62, | 4.9 | 38 |
| 195 | Measurement of the production of a W boson in association with a charm quark in pp collisions at $(\sqrt{s}) = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 37 |
| 194 | Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1 | 5.4 | 37 |
| 193 | Search for the Standard Model Higgs boson in the $H \rightarrow \tau\tau$ decay mode in $(\sqrt{s} = 7, \text{TeV})$ pp collisions with ATLAS. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 37 |
| 192 | Limits on the production of the standard model Higgs boson in pp collisions at $(\sqrt{s} = 7)$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1 | 4.2 | 37 |
| 191 | Search for massive colored scalars in four-jet final states in $(\sqrt{s}=7\text{TeV})$ proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2011 , 71, 1 | 4.2 | 37 |
| 190 | Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $(\sqrt{s}) = 8$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 36 |
| 189 | Search for second generation scalar leptoquarks in pp collisions at $(\sqrt{s}=7\text{TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2012 , 72, 1 | 4.2 | 35 |
| 188 | Measurement of the cross-section for W boson production in association with b-jets in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 34 |
| 187 | ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$. <i>European Physical Journal C</i> , 2012 , 72, 1 | 4.2 | 34 |
| 186 | Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 34 |

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| 185 | Probing the BFKL gluons with J/ψ lepton production. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 428, 377-382 | 4.2 | 34 |
| 184 | Measurement of the top quark mass in the $[t\bar{t}]$ and $[t\bar{t}b\bar{b}]$ channels using $[t\bar{t}]$ ATLAS data. <i>European Physical Journal C</i> , 2015 , 75, 330 | 4.2 | 32 |
| 183 | Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $(\sqrt{s} = 7 \text{ TeV})$ with the ATLAS experiment. <i>European Physical Journal C</i> , 2012 , 72, 1 | 4.2 | 31 |
| 182 | Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $(\sqrt{s}=7)$ TeV in the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1 | 5.4 | 31 |
| 181 | Measurement of the production and lepton charge asymmetry of $[t\bar{t}]$ bosons in Pb+Pb collisions at $[t\bar{t}]$ with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 23 | 4.2 | 31 |
| 180 | Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $[t\bar{t}]$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014 , 74, 3134 | 4.2 | 31 |
| 179 | Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $(\sqrt{s} = 8)$ TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 31 |
| 178 | A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $(\sqrt{s}=7;\text{TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 31 |
| 177 | Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $(\sqrt{s}=7 \text{ TeV})$ proton-proton collisions. <i>European Physical Journal C</i> , 2012 , 72, 1 | 4.2 | 31 |
| 176 | Inclusive search for same-sign dilepton signatures in pp collisions at $(\sqrt{s} = 7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 | 31 |
| 175 | Search for third generation scalar leptoquarks in pp collisions at $(\sqrt{s}=7)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 30 |
| 174 | Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $(\sqrt{s}=8)$ TeV with ATLAS. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 30 |
| 173 | Measurement of the $[t\bar{t}]$ production cross section in the tau + jets channel using the ATLAS detector. <i>European Physical Journal C</i> , 2013 , 73, 2328 | 4.2 | 30 |
| 172 | Measurements of underlying-event properties using neutral and charged particles in pp collisions at $(\sqrt{s}=900)$ GeV and $(\sqrt{s}=7)$ TeV with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2011 , 71, 1 | 4.2 | 30 |
| 171 | Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1 | 5.4 | 29 |
| 170 | Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 29 |
| 169 | Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 29 |
| 168 | Search for the exotic (1860) resonance in 340GeV nucleus interactions. <i>Physical Review C</i> , 2004 , 70, | 2.7 | 29 |

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| 167 | Two-particle Bose-Einstein correlations in collisions at [Formula: see text] 0.9 and 7 TeV measured with the ATLAS detector. <i>European Physical Journal C</i> , 2015 , 75, 466 | 4.2 | 28 |
| 166 | Topics in associated $J/\psi+c\bar{c}$ production at modern colliders. <i>Physical Review D</i> , 2006 , 73, | 4.9 | 28 |
| 165 | Pomeron intercept and BFKL gluon dynamics in the spectra at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 458, 389-392 | 4.2 | 28 |
| 164 | Measurement of the inclusive jet cross-section in proton-proton collisions at ($\sqrt{s}=7$) TeV using 4.5 fb ⁻¹ of data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1 | 5.4 | 27 |
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