

TITRE ET AUTEURS	CITÉE PAR	ANNÉE
<p>Search for diboson resonances with boson-tagged jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, O Abdinov, B Abeloos, SH Abidi, ... Physics Letters B 777, 91-113</p>	5	2018
<p>Search for light resonances decaying to boosted quark pairs and produced in association with a photon or a jet in proton-proton collisions at $\sqrt{s} = 13$ TeV with...</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2018
<p>Search for $W \rightarrow tb$ decays in the hadronic final state using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, A Kupco, S Webb, S Sekula, T Dreyer, Y Wang, K Jakobs, ...</p>		2018
<p>arXiv: Search for $W \rightarrow tb$ decays in the hadronic final state using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, A Kupco, S Webb, S Sekula, T Dreyer, Y Wang, K Jakobs, ...</p>		2018
<p>A search for high-mass resonances decaying to $\tau\nu$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, A Kupco, S Webb, S Sekula, T Dreyer, Y Wang, K Jakobs, ...</p>		2018
<p>All-flavor Search for a Diffuse Flux of Cosmic Neutrinos with Nine Years of ANTARES Data</p> <p>A Albert, M André, M Anghinolfi, G Anton, M Ardid, JJ Aubert, J Aublin, ... The Astrophysical Journal Letters 853 (1), L7</p>		2018
<p>Measurement of the exclusive $\gamma\gamma \rightarrow \mu^+ \mu^-$ process in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, S Adachi, D Cinca, A Milic, AS Thompson, V Croft, SK Boutle, ... Physics letters B</p>		2018
<p>Measurements of $t\bar{t}$ differential cross-sections of highly boosted top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 13, 8$ TeV u...</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2018
<p>Search for heavy resonances decaying into WW in the $e\nu\mu\nu$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS</p> <p>M Aaboud, G Aad, B Abbott, O Abdinov, B Abeloos, SH Abidi, ... The European Physical Journal C 78 (1), 24</p>	2	2018

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<p>Search for dark matter produced in association with bottom or top quarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, O Abdinov, B Abeloos, SH Abidi, ... The European Physical Journal C 78 (1), 18</p>		2018
<p>Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb⁻¹ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS de...</p> <p>M Aaboud, G Aad, B Abbott, O Abdinov, B Abeloos, SH Abidi, ... Journal of High Energy Physics 2018 (1), 55</p>		2018
<p>Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, O Abdinov, B Abeloos, SH Abidi, ... Journal of High Energy Physics 2018 (1), 126</p>	6	2018
<p>Measurement of the cross section for isolated-photon plus jet production in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2017
<p>Femtосcopy with identified charged pions in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ATLAS</p> <p>M Aaboud, G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, ... Physical Review C 96 (6), 064908</p>	2	2017
<p>Search for squarks and gluinos in events with an isolated lepton, jets, and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, O Abdinov, B Abeloos, SH Abidi, ... Physical Review D 96 (11), 112010</p>		2017
<p>Search for the Standard Model Higgs boson produced in association with top quarks and decaying into a $b\bar{b}$ pair in pp collisions at $\sqrt{s} = 13$ TeV...</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2017
<p>Evidence for the associated production of the Higgs boson and a top quark pair with the ATLAS detector</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2017
<p>Search for electroweak production of supersymmetric states in scenarios with compressed mass spectra at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ... ATLAS-SUSY-2016-25-004</p>		2017

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Measurement of the inclusive and fiducial $t\bar{t}$ production cross-sections in the lepton+ jets channel in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS d... M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...		2017
Measurement of the production cross section of three isolated photons in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...		2017
Search for heavy ZZ resonances in the $e^+e^- \rightarrow e^+e^- \gamma\gamma$ and $e^+e^- \rightarrow \nu\bar{\nu}\gamma\gamma$ final states using proton proton collisions at $\sqrt{s} = 13$ TeV with t... M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...		2017
Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b -jets in 36 fb ⁻¹ of $\sqrt{s} = 13$ TeV... M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...		2017
Search for new phenomena in high-mass diphoton final states using 37 fb ⁻¹ of proton–proton collisions collected at $s = 13$ TeV with the ATLAS detector M Aaboud, G Aad, B Abbott, O Abdinov, B Abeloos, SH Abidi, ... Physics Letters B 775, 105-125	7	2017
Measurement of the cross-section for electroweak production of dijets in association with a Z boson in pp collisions at $s = 13$ TeV with the ATLAS detector M Aaboud, G Aad, B Abbott, O Abdinov, B Abeloos, SH Abidi, ... Physics Letters B 775, 206-228	4	2017
Measurement of differential cross sections of isolated-photon plus heavy-flavour jet production in pp collisions at $s = 8$ TeV using the ATLAS detector M Aaboud, S Adachi, D Cinca, A Milic, AS Thompson, V Croft, SK Boutle, ... Physics letters B		2017
Search for an invisibly decaying Higgs boson or dark matter candidates produced in association with a Z boson in pp collisions at $s = 13$ TeV with the ATLAS detector M Aaboud, S Adachi, D Cinca, A Milic, AS Thompson, V Croft, SK Boutle, ... Physics letters B	1	2017
Search for dark matter in association with a Higgs boson decaying to two photons at $s = 13$ TeV with the ATLAS detector M Aaboud, G Aad, B Abbott, O Abdinov, B Abeloos, SH Abidi, ...	1	2017

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Physical Review D 96 (11), 112004		
Search for squarks and gluinos in final states with jets and missing transverse momentum using 36 fb s^{-1} of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ... ATLAS-SUSY-2016-07-003		2017
Search for exclusive Higgs and Z boson decays to ϕ/γ and ρ/γ with the ATLAS detector M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...		2017
Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^{(*)} \rightarrow 4\ell$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ... ATLAS-HIGG-2016-22-003		2017
Search for long-lived charginos based on a disappearing-track signature in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ... ATLAS-SUSY-2016-06-004		2017
Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s} = 13$ TeV with ATLAS M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...		2017
Search for direct top squark pair production in final states with two leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector M Aaboud, G Aad, B Abbott, O Abdinov, B Abeloos, SH Abidi, ... The European Physical Journal C 77 (12), 898	1	2017
Determination of the strong coupling constant α_s from transverse energy–energy correlations in multijet events at $\sqrt{s} = 8$ TeV M Aaboud, G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, SH Abidi, ... The European Physical Journal C 77 (12), 872	1	2017
Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector M Aaboud, G Aad, B Abbott, O Abdinov, B Abeloos, SH Abidi, ... Journal of High Energy Physics 2017 (12), 24	25	2017

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<p>Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb $\sqrt{s} = 13$ TeV pp collision d...</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p> <p>ATLAS-SUSY-2016-16-004</p>		2017
<p>Study of ordered hadron chains with the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, O Abidinov, B Abeloos, SH Abidi, ...</p> <p>Physical Review D 96 (9), 092008</p>	6	2017
<p>A measurement of the soft-drop jet mass in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p> <p>ATLAS-STDM-2017-04-004</p>		2017
<p>Measurement of jet pT correlations in Pb+ Pb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, J Abdallah, O Abidinov, B Abeloos, SH Abidi, ...</p> <p>Physics Letters B 774, 379-402</p>		2017
<p>Search for heavy resonances decaying to a W or Z boson and a Higgs boson in the $qq(\prime)bb(\prime)$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, O Abidinov, B Abeloos, SH Abidi, ...</p> <p>Physics Letters B 774, 494-515</p>	15	2017
<p>Search for Heavy Higgs Bosons A/H Decaying to a Top Quark Pair in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector</p> <p>M Aaboud, C Aad, B Abbott, O Abidinov, B Abeloos, SH Abidi, ...</p> <p>Physical Review Letters 119 (19)</p>		2017
<p>Measurement of differential cross sections and W^+/W^- cross-section ratios for W boson production in association with jets at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2017
<p>Search for Heavy Higgs Bosons A/H Decaying to a Top Quark Pair in p p Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector</p> <p>M Aaboud, G Aad, B Abbott, O Abidinov, B Abeloos, SH Abidi, ...</p> <p>Physical review letters 119 (19), 191803</p>	4	2017
<p>Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2017
<p>Search for Supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS...</p>		2017

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M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...		
Search for Dark Matter Produced in Association with a Higgs Boson Decaying to $b\bar{b}$ Using 36 fb ⁻¹ of pp Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector M Aaboud, G Aad, B Abbott, O Abidinov, B Abeloos, SH Abidi, ... Physical review letters 119 (18), 181804	4	2017
Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS... M Aaboud, G Aad, B Abbott, O Abidinov, B Abeloos, SH Abidi, ... The European Physical Journal C 77 (11), 804	18	2017
Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV M Aaboud, G Aad, B Abbott, J Abdallah, O Abidinov, B Abeloos, SH Abidi, ... Journal of High Energy Physics 2017 (11), 62	1	2017
Statistical validation of financial time series via visibility graph M Serafino, A Gabrielli, G Caldarelli, G Cimini arXiv preprint arXiv:1710.10980		2017
Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...	2	2017
A search for pair-produced resonances in four-jet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...		2017
Search for WW/WZ resonance production in $\nu\bar{\nu}qq$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...		2017
Measurement of the $W\pm Z$ boson pair-production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector M Aaboud, A Clark, D Cinca, A Milic, AS Thompson, V Croft, SK Boutle, ... Physics letters B	10	2017
A search for BR -parity-violating top squarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS experiment M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...		2017

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<p>arXiv: Measurement of the Drell--Yan triple-differential cross section in pp collisions at $\sqrt{s} = 8$ TeV</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p> <p>ATLAS-STDM-2016-04-004</p>		2017
<p>arXiv: A search for BLR-parity-violating top squarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS experiment</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p> <p>ATLAS-SUSY-2016-29-004</p>		2017
<p>A search for BLR-parity-violating top squarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS experiment: arXiv</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2017
<p>Measurement of the Drell--Yan triple-differential cross section in pp collisions at $\sqrt{s} = 8$ TeV: arXiv</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2017
<p>Search for long-lived, massive particles in events with displaced vertices and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS...</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2017
<p>Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at $s = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, SH Abidi, ...</p> <p>Physical Review D 96 (7), 072002</p>	99	2017
<p>Measurement of the production cross-section of a single top quark in association with a Z boson in proton--proton collisions at 13 TeV with the ATLAS detector: ar...</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2017
<p>Measurement of the $W^+ W^-$ production cross section in pp collisions at a centre-of-mass energy of $s = 13$ TeV with the ATLAS experiment</p> <p>M Aaboud, G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, ...</p> <p>Physics Letters B 773, 354-374</p>	5	2017
<p>Measurement of the total cross section from elastic scattering in pp collisions at $s = 8$ TeV with the ATLAS detector</p> <p>M Aaboud, S Adachi, D Cinca, A Milic, AS Thompson, V Croft, SK Boutle, ...</p> <p>Physics letters B</p>	25	2017

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<p>Measurement of the $t\bar{t}$ production cross-section using $e\mu$ events with b-tagged jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, A Clark, D Cinca, A Milic, AS Thompson, V Croft, SK Boutle, ... Physics letters B</p>	26	2017
<p>Searches for the $Z\gamma$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, O Abdinov, B Abeloos, SH Abidi, ... Journal of High Energy Physics 2017 (10), 112</p>	12	2017
<p>Search for new high-mass phenomena in the dilepton final state using 36 fb⁻¹ of proton-proton collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, O Abdinov, B Abeloos, SH Abidi, ... Journal of High Energy Physics 2017 (10), 182</p>	60	2017
<p>Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ... ATLAS-EXOT-2016-26-003</p>	1	2017
<p>Search for new phenomena in dijet events using 37 fb⁻¹ of pp collision data collected at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, SH Abidi, ... Physical Review D 96 (5), 052004</p>	65	2017
<p>$\sigma(ZZ \rightarrow e\ell^+e\ell^-)e\ell^{\prime+}e\ell^{\prime-}$ cross-section measurements and search for anomalous triple gauge couplings in 13 TeV pp collisions with the A...</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2017
<p>A search for resonances decaying into a Higgs boson and a new particle X in the $XH \rightarrow q\bar{q}b\bar{b}$ final state with the ATLAS detector</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ... ATLAS-EXOT-2017-04-003</p>	2	2017
<p>Combination of inclusive and differential $\sigma(\bar{t}t)$ charge asymmetry measurements using ATLAS and CMS data at $\sqrt{s} = 7$ and 8 TeV</p> <p>M Aaboud, A Kupco, R Erbacher, L Spiegel, M Maggi, B De La Cruz, ... JHEP</p>		2017

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<p>Direct top-quark decay width measurement in the $t\bar{t}$ \rightarrow lepton+ jets channel at $\sqrt{s} = 8\text{ TeV}$ with the ATLAS experiment</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2017
<p>Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector: arXiv</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2017
<p>Measurement of τ polarisation in $Z \rightarrow \tau\tau$ decays in proton-proton collisions at $\sqrt{s} = 8\text{ TeV}$ with the ATLAS detector</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2017
<p>New constraints on all flavor Galactic diffuse neutrino emission with the ANTARES telescope</p> <p>A Albert, M André, M Anghinolfi, G Anton, M Ardid, JJ Aubert, T Avgitas, ...</p> <p>Physical Review D 96 (6), 062001</p>	7	2017
<p>arXiv: Measurement of τ polarisation in $Z \rightarrow \tau\tau$ decays in proton-proton collisions at $\sqrt{s} = 8\text{ TeV}$ with the ATLAS detector</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p> <p>ATLAS-STDM-2015-18-003</p>		2017
<p>Measurement of quarkonium production in proton-lead and proton-proton collisions at 5.02 TeV with the ATLAS detector</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2017
<p>Measurement of quarkonium production in proton-lead and proton-proton collisions at 5.02 TeV with the ATLAS detector: arXiv</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2017
<p>Measurement of longitudinal flow de-correlations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV with the ATLAS detector: arXiv</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p>		2017
<p>Measurement of longitudinal flow de-correlations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV with the ATLAS detector</p>		2017

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M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...		
Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data M Aaboud, G Aad, B Abbott, O Abdinov, B Abeloos, SH Abidi, ... Journal of High Energy Physics 2017 (9), 88	13	2017
Study of $WW\gamma$ and $WZ\gamma$ production in pp collisions at $\sqrt{s} = 8$ TeV and search for anom... M Aaboud, G Aad, B Abbott, O Abdinov, B Abeloos, SH Abidi, ... The European Physical Journal C 77 (9), 646		2017
Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector M Aaboud, G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, SH Abidi, ... The European Physical Journal C 77 (9), 580	5	2017
Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb ⁻¹ of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS... M Aaboud, G Aad, B Abbott, O Abdinov, B Abeloos, SH Abidi, ... Journal of High Energy Physics 2017 (9), 84	17	2017
Searches for heavy ZZ and ZW resonances in the $q\bar{q}$ and $\nu\bar{\nu}q\bar{q}$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...		2017
Search for supersymmetry in events with b -tagged jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector: arXiv M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...		2017
Search for the direct production of charginos and neutralinos in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector: arXiv M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...		2017
Search for the direct production of charginos and neutralinos in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...	1	2017
Measurements of long-range azimuthal anisotropies and associated Fourier coefficients for p p collisions at $\sqrt{s} = 5.02$ and 13 TeV and p + Pb collisions at $\sqrt{s} = 5.02$ T...	19	2017

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M Aaboud, G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, ... Physical Review C 96 (2), 024908		
Measurement of $WW/WZ \rightarrow \ell\nu qq'$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s} = 8\text{TeV}$ with ATLAS, and con... M Aaboud, S Adachi, D Cinca, A Milic, FJ Wickens, V Croft, AM Nairz, ... EPJC 77, 563	1	2017
Measurement of the exclusive $\gamma\gamma \rightarrow \mu^+\mu^-$ process in proton-proton collisions at $\sqrt{s} = 13\text{TeV}$ with the ATLAS detector M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...		2017
arXiv: Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ... ATLAS-HIGG-2016-29-003		2017
Measurement of multi-particle azimuthal correlations with the subevent cumulant method in pp and $p+Pb$ collisions with the ATLAS detector at the LHC M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...		2017
Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...		2017
Search for the Dimuon Decay of the Higgs Boson in p p Collisions at $\sqrt{s} = 13\text{TeV}$ with the ATLAS Detector M Aaboud, G Aad, B Abbott, O Abdinov, B Abeloos, SH Abidi, ... Physical review letters 119 (5), 051802	4	2017
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<p>Measurement of the kt splitting scales in $Z \rightarrow \ell\ell$ events in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, J Abdallah, O Abidinov, B Abeloos, SH Abidi, ... Journal of High Energy Physics 2017 (8), 26</p>		2017
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<p>Search for Dark Matter Produced in Association with a Higgs Boson Decaying to $b\bar{b}$ using 36 fb \sqrt{s} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p> <p>ATLAS-EXOT-2016-25-003</p>		2017
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<p>Search for new phenomena in different-flavour high-mass dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, ...</p> <p>The European Physical Journal C 76 (10), 541</p>	4	2016
<p>Search for bottom squark pair production in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, ...</p> <p>The European Physical Journal C 76 (10), 547</p>	38	2016
<p>Measurements of top-quark pair differential cross-sections in the lepton+ jets channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 76 (10), 538</p>	79	2016
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<p>Measurement of total and differential $W^+ W^-$ production cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and limits on...</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Journal of High Energy Physics 2016 (9), 29</p>	79	2016

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<p>Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $\sqrt{s} = 8$ TeV proton-proton collisions</p> <p>M Aaboud, G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, ...</p> <p>Journal of High Energy Physics 2016 (9), 175</p>	17	2016
<p>Searches for heavy diboson resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, ...</p> <p>Journal of High Energy Physics 2016 (9), 173</p>	53	2016
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<p>Measurement of exclusive $\gamma \rightarrow W^+ W^-$ production and search for exclusive Higgs boson production in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, ...</p> <p>Physical Review D 94 (3), 032011</p>	41	2016
<p>Measurements of the charge asymmetry in top-quark pair production in the dilepton final state at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, M Abolins, ...</p> <p>Physical Review D 94 (3), 032006</p>	9	2016
<p>Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, ...</p>	219	2016

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Search for resonances in the mass distribution of jet pairs with one or two jets identified as b-jets in proton–proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector M Aaboud, G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, ... Physics Letters B 759, 229-246	19	2016
Search for pair production of gluinos decaying via stop and sbottom in events with b-jets and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, ... Physical Review D 94 (3), 032003	13	2016
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<p>Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, M Abolins, ...</p> <p>Journal of High Energy Physics 2016 (8), 5</p>	33	2016
<p>Search for single production of a vector-like quark via a heavy gluon in the 4b final state with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, M Abolins, ...</p> <p>Physics Letters B 758, 249-268</p>	8	2016
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<p>Measurement of event-shape observables in $Z \rightarrow \ell^+ \ell^-$ events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, M Abolins, ...</p> <p>The European Physical Journal C 76 (7), 375</p>	13	2016
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<p>Measurement of the transverse momentum and ϕ^*_{η} distributions of Drell–Yan lepton pairs in proton–proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS dete...</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 76 (5), 291</p>	60	2016
<p>Search for the Standard Model Higgs boson decaying into $b\bar{b}$ produced in association with top quarks decaying hadronically in pp collisions a...</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, M Abolins, ...</p> <p>Journal of high energy physics 2016 (5), 160</p>	44	2016
<p>Measurement of the differential cross-sections of prompt and non-prompt production of J/ψ and $\psi(2S)$ in pp collisions at $\sqrt{s} = 13$ TeV</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 76 (5), 283</p>		2016
<p>Search for supersymmetry at $\sqrt{s} = 13$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, M Abolins, ...</p> <p>The European Physical Journal C 76 (5), 259</p>	83	2016
<p>Muon reconstruction performance of the ATLAS detector in proton–proton collision data at $\sqrt{s} = 13$ TeV</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, M Abolins, ...</p> <p>The European Physical Journal C 76 (5), 292</p>	352	2016
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<p>Observation of long-range elliptic azimuthal anisotropies in $\sqrt{s} = 13$ and 2.76 TeV p p collisions with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical review letters 116 (17), 172301</p>	150	2016

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<p>Search for dark matter produced in association with a Higgs boson decaying to two bottom quarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abidinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical Review D 93 (7), 072007</p>	48	2016
<p>Combination of searches for WW, WZ, and ZZ resonances in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abidinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physics Letters B 755, 285-305</p>	66	2016
<p>Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abidinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 76 (4), 210</p>	28	2016
<p>Search for anomalous couplings in the W tb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel wi...</p> <p>G Aad, B Abbott, J Abdallah, O Abidinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Journal of High Energy Physics 2016 (4), 23</p>	43	2016
<p>Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton–lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, O Abidinov, R Aben, ...</p> <p>The European Physical Journal C 76 (4), 199</p>	40	2016
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<p>Search for new phenomena in dijet mass and angular distributions from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, M Abolins, ...</p> <p>Physics Letters B 754, 302-322</p>	175	2016
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<p>Search for strong gravity in multijet final states produced in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector at the LHC</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, M Abolins, ...</p> <p>Journal of high energy physics 2016 (3), 26</p>	43	2016
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<p>Measurement of the differential cross-section of highly boosted top quarks as a function of their transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions using the...</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical review D 93 (3), 032009</p>	96	2016

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<p>Constraints on non-Standard Model Higgs boson interactions in an effective Lagrangian using differential cross sections measured in the $H \rightarrow \gamma\gamma$ decay channel at $\sqrt{s} = 8$ TeV</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physics Letters B 753, 69-85</p>	29	2016
<p>Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 76 (2), 55</p>	42	2016
<p>Search for direct top squark pair production in final states with two tau leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 76 (2), 81</p>	8	2016
<p>Search for the production of single vector-like and excited quarks in the Wt final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Journal of High Energy Physics 2016 (2), 110</p>	60	2016
<p>Measurement of the correlation between the polar angles of leptons from top quark decays in the helicity basis at $\sqrt{s} = 7$ TeV using the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical Review D 93 (1), 012002</p>	21	2016
<p>Study of the $[...] \rightarrow [..] + [..]$ and $[...] \rightarrow [..] + [..]$ decays with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European physical journal. C, Particles and fields 76</p>	7	2016
<p>Measurement of the differential cross-sections of prompt and non-prompt production of and in pp collisions at and 8 TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal. C, Particles and Fields 76 (5)</p>	33	2016

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<p>Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton–lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, S Abdel Khalek, O Abdinov, ... Springer Berlin Heidelberg</p>		2016
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<p>Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s} = 8$ TeV</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, M Abolins, ... Springer Berlin Heidelberg</p>		2016
<p>Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s} = 13$ TeV collisions at the LHC using the ATLAS detector</p> <p>M Aaboud, G Aad, B Abbott, J Abdallah, O Abdinov, B Abeloos, R Aben, ... The European Physical Journal. C, Particles and Fields 76 (9)</p>	9	2016
<p>A Monte Carlo Study of Clinical PET ECAT EXACT HR+ Using GATE</p> <p>R Saaidi, Y Toufique, A Merouani, O Elbouhali, RC El Moursli Basic Concepts in Nuclear Physics: Theory, Experiments and Applications, 223-225</p>	1	2016
<p>Study of the $B_c \rightarrow J/\psi D_s$ and $B_c \rightarrow J/\psi D_s^*$ decays with the ATLAS...</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ... Springer-Verlag</p>		2016
<p>Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ... Journal of High Energy Physics 2016 (1), 64</p>	14	2016

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<p>Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ$ decay channel at $\sqrt{s} = 8 \text{ TeV}$ in pp collision data with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 76 (1), 45</p>	263	2016
<p>Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW^{*} \rightarrow e\nu\mu\nu$ with the ATLAS de...</p> <p>G Aad, A Kupco, P Davison, S Webb, S Sekula, J Huston, K Jakobs, ...</p> <p>LHC/ATLAS Experiment</p>		2016
<p>Search for flavour-changing neutral current top-quark decays to $\nu\bar{\nu} + \nu\bar{\nu} + \nu\bar{\nu}$</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Springer Berlin Heidelberg</p>	1	2016
<p>Search for flavour-changing neutral current top-quark decays to $\nu\bar{\nu} + \nu\bar{\nu} + \nu\bar{\nu}$ in $\sqrt{s} = 7 \text{ TeV}$ collision data collected with the ATLAS detector at $\sqrt{s} = 7 \text{ TeV}$</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European physical journal. C, Particles and fields 76, 12-12</p>	15*	2016
<p>Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s} = 7 \text{ TeV}$ and 8 TeV in the ATLAS exper...</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 76 (1), 6</p>	382	2016
<p>Determination of the Ratio of b-Quark Fragmentation Fractions f_s/f_d in p p Collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS Detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical review letters 115 (26), 262001</p>	23	2015
<p>Search for pair production of a new heavy quark that decays into a W boson and a light quark in p p collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical Review D 92 (11), 112007</p>	66	2015
<p>Measurement of the production of neighbouring jets in lead-lead collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physics Letters B 751, 376-395</p>	17	2015

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<p>Measurement of the branching ratio $\Gamma(\Lambda_b^0 \rightarrow \psi(2S) \Lambda^0) / \Gamma(\Lambda_b^0 \rightarrow J/\psi \Lambda^0)$ with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physics Letters B 751, 63-80</p>	14	2015
<p>Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Journal of High Energy Physics 2015 (12), 1-39</p>	245	2015
<p>Measurement of four-jet differential cross sections in $\sqrt{s} = 8 \text{ TeV}$ proton-proton collisions using the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Journal of High Energy Physics 2015 (12), 1-76</p>	33	2015
<p>Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Journal of High Energy Physics 2015 (12), 1-65</p>	78	2015
<p>Measurement of transverse energy–energy correlations in multi-jet events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector and determination of the strong coupling</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physics Letters B 750, 427-447</p>	29	2015
<p>Searches for Higgs boson pair production in the $h \rightarrow b\bar{b}, \tau\bar{\tau}, \gamma\gamma, W^+W^-, \gamma\gamma b\bar{b}, b\bar{b}b\bar{b}$ channels with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical Review D 92 (9), 092004</p>	164	2015
<p>Search for new light gauge bosons in Higgs boson decays to four-lepton final states in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector at the LHC</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical Review D 92 (9), 092001</p>	30	2015
<p>Measurement of the $t\bar{t}W$ and $t\bar{t}Z$ production cross sections in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Journal of high energy physics 2015 (11), 172</p>	107	2015

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<p>Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Journal of High Energy Physics 2015 (11), 206</p>	217	2015
<p>Search for lepton-flavour-violating $H \rightarrow \mu\tau$ decays of the Higgs boson with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Journal of High Energy Physics 2015 (11), 211</p>	142	2015
<p>Z boson production in p+ Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV measured with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical Review C 92 (4), 044915</p>	39	2015
<p>Measurements of the top quark branching ratios into channels with leptons and quarks with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical Review D 92 (7), 072005</p>	5	2015
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<p>Search for photonic signatures of gauge-mediated supersymmetry in 8 TeV p p collisions with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical Review D 92 (7), 072001</p>	41	2015
<p>Determination of the top-quark pole mass using $t\bar{t} + 1$-jet events collected with the ATLAS experiment in 7 TeV pp collisions</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Journal of High Energy Physics 2015 (10), 121</p>	69	2015
<p>Summary of the ATLAS experiment's sensitivity to supersymmetry after LHC Run 1—interpreted in the phenomenological MSSM</p>	136	2015

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Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ... Journal of High Energy Physics 2015 (10), 150	97	2015
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Search for Dark Matter in Events with Missing Transverse Momentum and a Higgs Boson Decaying to Two Photons in pp Collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS Det... G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ... Physical review letters 115 (13), 131801	26	2015

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<p>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 (vol 2, 153, 2015)</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>JOURNAL OF HIGH ENERGY PHYSICS</p>		2015
<p>Measurement of the correlation between flow harmonics of different order in lead-lead collisions at $s_{NN} = 2.76$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical Review C 92 (3), 034903</p>	63	2015
<p>Measurement of differential J/ψ production cross sections and forward-backward ratios in p+ Pb collisions with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical Review C 92 (3), 034904</p>	50	2015
<p>Search for Higgs bosons decaying to a a in the μ μ τ τ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS experiment</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical Review D 92 (5), 052002</p>	45	2015
<p>Centrality and rapidity dependence of inclusive jet production in proton-lead collisions with the ATLAS detector</p> <p>ATLAS collaboration</p> <p>Physics Letters B 748, 392-413</p>	115	2015
<p>Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at $\sqrt{s} = 7\sqrt{s} = 7\sqrt{s}$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Journal of High Energy Physics 2015 (9), 49</p>	121*	2015
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<p>Erratum to: Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8\sqrt{s} = 8\sqrt{s}$ TeV wi...</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>The European Physical Journal C 75 (9), 408</p>		2015

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<p>Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at $\sqrt{s}=8$ TeV using the ATLAS experiment</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 75 (9), 407</p>	63	2015
<p>Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Journal of High Energy Physics 2015 (9), 108</p>	39	2015
<p>Search for Higgs boson pair production in the $b\bar{b}b\bar{b}$ final state from pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 75 (9), 412</p>	102	2015
<p>Measurements of the Total and Differential Higgs Boson Production Cross Sections Combining the $H\rightarrow\gamma\gamma$ and $H\rightarrow ZZ^*\rightarrow 4\ell$ Decay Channels at $\sqrt{s}=8$ TeV with the...</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical review letters 115 (9), 091801</p>	71	2015
<p>Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $\ell\ell/\ell\nu/\nu\nu+bb\bar{b}$ final states with the ATLAS detector</p> <p>C Anastopoulos, G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, ...</p> <p>Springer/Società Italiana di Fisica</p>		2015
<p>Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s}=8$ TeV</p> <p>B Abbott, B Abi, R Abreu, J Adelman, M Agustoni, TPA Åkesson, ...</p> <p>Springer/Società Italiana di Fisica</p>		2015
<p>Search for high-mass diphoton resonances in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical Review D 92 (3), 032004</p>	164	2015
<p>Search for type-III seesaw heavy leptons in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical Review D 92 (3), 032001</p>	33	2015

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<p>Search for new phenomena in events with three or more charged leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Journal of high energy physics 2015 (8), 138</p>	18	2015
<p>A search for $t\bar{t}$ resonances using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Journal of High Energy Physics 2015 (8), 148</p>	188	2015
<p>Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS d...</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Journal of High Energy Physics 2015 (8), 105</p>	108	2015
<p>Search for heavy long-lived multi-charged particles in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 75 (8), 362</p>	27	2015
<p>Study of (W/Z) H production and Higgs boson couplings using $H \rightarrow WW^*$ decays with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Journal of High Energy Physics 2015 (8), 137</p>	52	2015
<p>Search for long-lived, weakly interacting particles that decay to displaced hadronic jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical Review D 92 (1), 012010</p>	75	2015
<p>Evidence of $W \gamma \gamma$ Production in p p Collisions at $\sqrt{s} = 8$ TeV and Limits on Anomalous Quartic Gauge Couplings with the ATLAS Detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical review letters 115 (3), 031802</p>	73	2015
<p>Observation and measurement of Higgs boson decays to $W W^*$ with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical Review D 92 (1), 012006</p>	222	2015

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<p>Search for a Heavy Neutral Particle Decaying to $e\mu$, $e\tau$, or $\mu\tau$ in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical review letters 115 (3), 031801</p>	40	2015
<p>Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisi...</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 75 (7), 318</p>	94	2015
<p>Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in pp collisions</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 75 (7), 349</p>	1	2015
<p>Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 75 (7), 335</p>	131	2015
<p>A search for high-mass resonances decaying to $\tau^+\tau^-$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Journal of High Energy Physics 2015 (7), 157</p>	20	2015
<p>Measurement of the top quark mass in the $t\bar{t} \rightarrow \text{lepton} + \text{jets}$ and $t\bar{t} \rightarrow \text{dilepton}$ channels</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 75 (7), 330</p>	124	2015
<p>Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s} = 8$ TeV</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Journal of High Energy Physics 2015 (7), 32</p>	3	2015
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<p>Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>The European Physical Journal C 75 (7), 299</p>	208	2015
<p>Search for invisible decays of the Higgs boson produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS d...</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 75 (7), 337</p>	12	2015
<p>Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $s = 8$ TeV</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Journal of High Energy Physics 2015 (7), 162</p>	104	2015
<p>Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in pp collisions at $s = 8$ TeV</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical Review D 91 (11), 112016</p>	40	2015
<p>Measurement of the top pair production cross section in 8 TeV proton-proton collisions using kinematic information in the lepton+ jets final state with ATLAS</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical Review D 91 (11), 112013</p>	90	2015
<p>Search for vectorlike B quarks in events with one isolated lepton, missing transverse momentum, and jets at $s = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical Review D 91 (11), 112011</p>	72	2015
<p>Search for a Charged Higgs Boson Produced in the Vector-Boson Fusion Mode with Decay $H^\pm \rightarrow W^\pm Z$ using pp Collisions at $s = 8$ TeV with the ATLAS Experiment</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical review letters 114 (23), 231801</p>	38	2015
<p>Search for new phenomena in dijet angular distributions in proton-proton collisions at $s = 8$ TeV measured with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical review letters 114 (22), 221802</p>	34	2015

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<p>Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $\sqrt{s} = 7$ TeV</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Journal of high energy physics 2015 (6), 100</p>	102	2015
<p>Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $\ell\ell\nu\bar{\nu} + b\bar{b}$ final states with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 75 (6), 263</p>	69	2015
<p>Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS Experiments</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>Physical review letters 114 (19), 191803</p>	747	2015
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<p>Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Journal of High Energy Physics 2015 (5), 61</p>	83	2015
<p>Determination of spin and parity of the Higgs boson in the $WW \rightarrow e\nu\mu\nu$ decay channel with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal C 75 (5), 231</p>	48	2015
<p>Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $\sqrt{s} = 8$ TeV pp collisions</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>The European Physical Journal C 75 (5), 208</p>	39	2015
<p>Observation of top-quark pair production in association with a photon and measurement of the $t\bar{t}\gamma$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p>	42	2015

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Physical Review D 91 (7), 072007		
<p>Search for Scalar Charm Quark Pair Production in p p Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical review letters 114 (16), 161801</p>	19	2015
<p>Measurement of Spin Correlation in Top-Antitop Quark Events and Search for Top Squark Pair Production in p p Collisions at $\sqrt{s} = 8$ TeV Using the ATLAS Detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical review letters 114 (14), 142001</p>	139	2015
<p>Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $\sqrt{s} = 7$ TeV</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>The European Physical Journal C 75 (4), 158</p>	9	2015
<p>Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Journal of high energy physics 2015 (4), 117</p>	326	2015
<p>Search for $W \rightarrow tb \rightarrow qqbb$ $W' \rightarrow tb \rightarrow qqbb$ decays in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>The European Physical Journal C 75 (4), 165</p>	164	2015
<p>Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Journal of High Energy Physics 2015 (4), 116</p>	178	2015
<p>Search for Higgs and Z Boson Decays to $J/\psi \gamma$ and $\Upsilon(nS) \gamma$ with the ATLAS Detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical review letters 114 (12), 121801</p>	63	2015
<p>Search for new phenomena in the dijet mass distribution using p p collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical Review D 91 (5), 052007</p>	344	2015

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<p>Simultaneous measurements of the $t\bar{t}$, W^+W^-, and $Z/\gamma^* \rightarrow \tau\tau$ production cross-sections in $p\bar{p}$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical Review D 91 (5), 052005</p>	10	2015
<p>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 ATLAS data</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Journal of high energy physics 2015 (3), 41</p>	98	2015
<p>Search for charged Higgs bosons decaying via $H^\pm \rightarrow \tau^\pm \nu$ in fully hadronic final states using pp collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Journal of high energy physics 2015 (3), 88</p>	171	2015
<p>Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>The European Physical Journal C 75 (3), 120</p>	240	2015
<p>Search for Higgs Boson Pair Production in the $\gamma\gamma b\bar{b}$ Final State Using $p\bar{p}$ Collision Data at $\sqrt{s} = 8$ TeV from the ATLAS Detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical review letters 114 (8), 081802</p>	166	2015
<p>Measurements of the nuclear modification factor for jets in $Pb+Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical review letters 114 (7), 072302</p>	149	2015
<p>Measurement of the transverse polarization of Λ and Λ^- hyperons produced in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical Review D 91 (3), 032004</p>	11	2015
<p>Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>The European Physical Journal C 75 (2), 79</p>	39	2015

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<p>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</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Journal of High Energy Physics 2015 (2), 153</p>	92	2015
<p>Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>The European Physical Journal C 75 (2), 92</p>	38	2015
<p>Search for new phenomena in events with a photon and missing transverse momentum in $p p$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical Review D 91 (1), 012008</p>	153	2015
<p>Measurements of Higgs boson production and couplings in the four-lepton channel in $p p$ collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical Review D 91 (1), 012006</p>	67	2015
<p>Search for s-channel single top-quark production in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, A Clark, D Cinca, A Milic, AS Thompson, V Croft, DM Rebutzi, ...</p> <p>Physics Letters B 740, 118-136</p>	12	2015
<p>Search for production of [...] resonances decaying to a lepton, neutrino and jets in [...] collisions at [...] TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>The European physical journal. C, Particles and fields 75 (5)</p>	46	2015
<p>Search for a Charged Higgs Boson Produced in the Vector-Boson Fusion Mode with Decay $H^{\pm} \rightarrow W^{\pm} Z$ Using pp Collisions at $\sqrt{s} = 8$ TeV w...</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>American Physical Society</p>		2015
<p>Search for dark matter in events with heavy quarks and missing transverse momentum in</p> <p>[12pt]{minimal}\usepackage {amsmath}\usepackage {wasys...</p> <p>G Aad, B Abbott, J Abdallah, S Abdel Khalek, O Abdinov, R Aben, B Abi, ...</p>	1	2015

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Search for resonant diboson production in the [12pt]{minimal}\usepackage {amsmath}\usepackage {wasysym}\usepackage {amsfonts}\usepackage {... G Aad, B Abbott, J Abdallah, S Abdel Khalek, O Abdinov, R Aben, B Abi, ... Springer Berlin Heidelberg		2015
Measurement of three-jet production cross-sections in\documentclass [12pt]{minimal}\usepackage {amsmath}\usepackage {wasysym}\usepackage {amsfonts}\usepa... G Aad, B Abbott, J Abdallah, S Abdel Khalek, O Abdinov, R Aben, B Abi, ... Springer Berlin Heidelberg		2015
Determination of the Ratio of b-quark fragmentation factors f [subscript s]/f [subscript d] in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ... American Physical Society		2015
Measurement of the top quark m_{qss} in the $t[\bar{t}] \rightarrow$ lepton+ jets and $t[\bar{t}] \rightarrow$ dilepton channels using $\sqrt{s} = 7$ TeV ATLAS data G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ... Springer-Verlag		2015
Measurement of the production and lepton charge asymmetry of W bosons in Pb+ Pb collisions at $\sqrt{s} = 2.76$ TeV w... G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ... The European Physical Journal C 75 (1), 23	46	2015
Search for the $b\bar{b}$ decay of the Standard Model Higgs boson in associated (W/Z) H production with the ATLAS detector G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ... Journal of High Energy Physics 2015 (1), 69	361	2015
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<p>Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Journal of high energy physics 2015 (1), 68</p>	123	2015
<p>Search for production of $\chi_{1,2}^0$</p> <p>G Aad, B Abbott, J Abdallah, S Abdel Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Springer Berlin Heidelberg</p>		2015
<p>Z Boson Production in $p + \text{Pb}$ Collisions at $\sqrt{s} = 5.02$ TeV Measured with the ATLAS Detector</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p>		2015
<p>Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV</p> <p>G Aad, B Abbott, J Abdallah, S Abdel Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Springer Berlin Heidelberg</p>		2015
<p>Measurements of the Nuclear Modification Factor for Jets in $\text{Pb} + \text{Pb}$ Collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS Detector</p> <p>G Aad, B Abbott, J Abdallah, S Abdel Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>American Physical Society</p>		2015
<p>Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s} = 8$ TeV</p> <p>G Aad, B Abbott, J Abdallah, S Abdel Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Springer Berlin Heidelberg</p>		2015
<p>Measurement of the production and lepton charge asymmetry of W bosons in $\text{Pb} + \text{Pb}$ collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, S Abdel Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Springer-Verlag</p>		2015
<p>Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow \tau^{\pm} \nu$ in fully hadronic final states using pp collision data at $\sqrt{s} = 8$ TeV with the ATLAS...</p> <p>G Aad, B Abbott, J Abdallah, S Abdel Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Springer-Verlag</p>		2015

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Search for resonant diboson production in the $q\bar{q}$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector G Aad, B Abbott, J Abdallah, S Abdel Khalek, O Abdinov, R Aben, B Abi, ... Springer-Verlag		2015
Measurement of the top quark mass in the G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ... Springer Berlin Heidelberg		2015
Jet energy measurement and its systematic uncertainty in proton–proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, ... The European Physical Journal C 75 (1), 17	812	2015
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Searches for Higgs boson pair production in the $hh \rightarrow b\bar{b}\tau\tau$, $\gamma\gamma WW$, $\gamma\gamma b\bar{b}$, $b\bar{b}b\bar{b}$ channels with the ATLAS detector G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ... American Physical Society		2015
Measurement of three-jet production cross-sections in [Formula: see text] collisions at 7 [Formula: see text] centre-of-mass energy using the ATLAS detector. G Aad, B Abbott, J Abdallah, SK Abdel, O Abdinov, R Aben, B Abi, ... The European physical journal. C, Particles and fields 75 (5), 228-228	3	2015
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Measurement of the $t\bar{t}W$ and $t\bar{t}Z$ production cross sections in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ... Springer-Verlag/SISSA		2015
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Performance of the ATLAS muon trigger in pp collisions at [12pt]{minimal}\usepackage {amsmath}\usepackage {wasysym}\usepackage {amsfonts}\us... G Aad, B Abbott, J Abdallah, S Abdel Khalek, O Abdinov, R Aben, B Abi, ... Springer Berlin Heidelberg		2015
Search for heavy long-lived multi-charged particles in pp collisions at [12pt]{minimal}\usepackage {amsmath}\usepackage {wasysym}\usepackage {a... G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ... Springer Berlin Heidelberg		2015
Measurements of spin correlation in top-antitop quark events from proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ... Physical Review D 90 (11), 112016	90	2014
Measurement of Higgs boson production in the diphoton decay channel in p p collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ... Physical Review D 90 (11), 112015	393	2014

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<p>Measurement of inclusive jet charged-particle fragmentation functions in Pb+ Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector</p> <p>G Aad, A Clark, D Cinca, AS Thompson, V Croft, DM Rebuffi, G Chiefari, ...</p> <p>Physics letters B 739, 320-342</p>	88	2014
<p>Comprehensive measurements of t-channel single top-quark production cross sections at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical Review D 90 (11), 112006</p>	116	2014
<p>Search for nonpointing and delayed photons in the diphoton and missing transverse momentum final state in 8 TeV p p collisions at the LHC using the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical Review D 90 (11), 112005</p>	44	2014
<p>Search for a new resonance decaying to a W or Z boson and a Higgs boson in the</p> <p>G Aad, B Abbott, J Abdallah, O Abdinov, R Aben, M Abolins, OS AbouZeid, ...</p> <p>The European Physical Journal. C, Particles and Fields 75 (6)</p>		2014
<p>Search for contact interactions and large extra dimensions in the dilepton channel using proton–proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>The European Physical Journal C 74 (12), 3134</p>	64	2014
<p>A measurement of the ratio of the production cross sections for ZZ and ZZ bosons in association with jets with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>The European Physical Journal C 74 (12), 3168</p>	10	2014
<p>Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>The European Physical Journal C 74 (12), 3195</p>	53	2014
<p>Observation of an Excited B_c Meson State with the ATLAS Detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical review letters 113 (21), 212004</p>	62	2014

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<p>Search for the Standard Model Higgs boson decay to $\mu^+ \mu^-$ with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physics Letters B 738, 68-86</p>	111	2014
<p>Search for new resonances in $W\gamma$ and $Z\gamma$ final states in pp collisions at $s = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physics Letters B 738, 428-447</p>	155	2014
<p>Fiducial and differential cross sections of Higgs boson production measured in the four-lepton decay channel in pp collisions at $s = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physics Letters B 738, 234-253</p>	143	2014
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<p>Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $s\sqrt{s} = 8$ TeV pp collisions with the...</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Journal of high energy physics 2014 (11), 118</p>	261	2014
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<p>Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton–proton collision data</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>The European Physical Journal C 74 (11), 3130</p>	74	2014
<p>Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in pp collisions at $\sqrt{s} = 7$ TeV using the...</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>The European Physical Journal C 74 (11), 3117</p>	32	2014
<p>Search for the lepton flavor violating decay $Z \rightarrow e \mu$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical Review D 90 (7), 072010</p>	24	2014
<p>Search for scalar diphoton resonances in the mass range 65–600 GeV with the ATLAS detector in pp collision data at $\sqrt{s} = 8$ TeV</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical review letters 113 (17), 171801</p>	165	2014
<p>Measurement of long-range pseudorapidity correlations and azimuthal harmonics in $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV proton-lead collisions with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical Review C 90 (4), 044906</p>	127	2014
<p>Evidence for Electroweak Production of $W \pm W \pm jj$ in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Physical review letters 113 (14), 141803</p>	183	2014

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<p>Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>The European Physical Journal C 74 (10), 3071</p>	572	2014
<p>Measurement of the $\overline{t}t$ production cross-section using $e\mu$ events with b-tagged jets in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>The European Physical Journal C 74 (10), 3109</p>	302	2014
<p>Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ...</p> <p>Journal of High Energy Physics 2014 (10), 141</p>	76	2014
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<p>Measurement of the Higgs boson mass from the $H \rightarrow \gamma \gamma$ and $H \rightarrow ZZ^* \rightarrow 4 \ell$ channels in pp collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ... Physical Review D 90 (5), 052004</p>	74	2014
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<p>Measurement of the Z/γ^* boson transverse momentum distribution in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, B Abi, ... Journal of high energy physics 2014 (9), 145</p>	272	2014
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<p>Search for dark matter in events with a Z boson and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, ...</p>	73	2014

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<p>Measurement of the low-mass Drell-Yan differential cross section at $\sqrt{s} = 7$ TeV using the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, ...</p> <p>Journal of high energy physics 2014 (6), 112</p>	39	2014
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<p>Measurement of the mass difference between top and anti-top quarks in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, ...</p> <p>Physics Letters B 728, 363-379</p>	21	2014
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<p>Measurement of jet shapes in top-quark pair events at $\sqrt{s}= 7$ TeV using the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ... The European Physical Journal C 73 (12), 2676</p>	47*	2013
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<p>Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLA... G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, ... Journal of High Energy Physics 2013 (10), 130</p>	232	2013
<p>Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in $\sqrt{s} = 8$ TeV pp collisions with the A... G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, O Abdinov, R Aben, ... Journal of High Energy Physics 2013 (10), 189</p>	301	2013
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<p>Technical design report for the phase-I upgrade of the ATLAS TDAQ System G Aad, A Kupco, P Laurelli, S Webb, S Sekula, J Huston, K Jakobs, ...</p>	25	2013
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<p>Measurement of charged-particle event shape variables in inclusive $\sqrt{s} = 7$ TeV proton-proton interactions with the ATLAS detector</p>	26	2013

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<p>Search for single b^*-quark production with the ATLAS detector at $\sqrt{s}=7$ TeV</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Physics Letters B 721 (4-5), 171-189</p>	46	2013
<p>Search for displaced muonic lepton jets from light Higgs boson decay in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Physics Letters B 721 (1-3), 32-50</p>	64	2013
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<p>Searches for heavy long-lived sleptons and R-hadrons with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Physics Letters B 720 (4-5), 277-308</p>	112	2013

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<p>Measurement of angular correlations in Drell–Yan lepton pairs to probe Z/γ^* boson transverse momentum at with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Physics Letters B 720 (1), 32-51</p>	36	2013
<p>Search for new phenomena in events with three charged leptons at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Physical Review D 87 (5), 052002</p>	36	2013
<p>Measurement of upsilon production in 7 TeV p p collisions at ATLAS</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Physical Review D 87 (5), 052004</p>	159	2013
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<p>Measurement of the Jet Radius and Transverse Momentum Dependence of Inclusive Jet Suppression in Lead–lead Collisions at $\sqrt{s} = 2.76$ TeV with t...</p> <p>G Aad, B Abbott, J Abdallah, S Abdel Khalek, AA Abdelalim, O Abdinov, ... Elsevier</p>		2013
<p>Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $\sqrt{s} = 7$ TeV</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ... Journal of High Energy Physics 2013 (1), 116</p>	168	2013
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<p>Measurement of $W^+ W^-$ production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector and limits on anomalous WWZ and $WW\gamma$ couplings</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, S Abdel Khalek, AA Abdelalim, ... American Physical Society</p>		2013
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<p>Search for the Higgs boson in the $H \rightarrow WW \rightarrow \ell\nu j j$ decay channel at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Physics Letters B 718 (2), 391-410</p>	8	2012
<p>Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Journal of High Energy Physics 2012 (12), 7</p>	36	2012
<p>Search for doubly charged Higgs bosons in like-sign dilepton final states at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>The European Physical Journal C 72 (12), 2244</p>	155	2012
<p>ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at $\sqrt{s} = 7 \text{ TeV}$</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>The European Physical Journal C 72 (12), 2241</p>	114	2012
<p>Search for R-parity-violating supersymmetry in events with four or more leptons in $\sqrt{s} = 7 \text{ TeV}$ pp collisions with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Journal of High Energy Physics 2012 (12), 124</p>	33	2012
<p>Time-dependent angular analysis of the decay $B_s^0 \rightarrow J/\psi \ell^+ \ell^-$ and extraction of $\Delta\Gamma$s and the CP-violating weak phase φ_s by ATLAS</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Journal of High Energy Physics 2012 (12), 72</p>	140	2012
<p>Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $\sqrt{s} = 7 \text{ TeV}$ pp collisions at the LHC</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Journal of High Energy Physics 2012 (12), 86</p>	104	2012

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<p>Search for resonant top quark plus jet production in $t\bar{t} + \text{jets}$ events with the ATLAS detector in $p\bar{p}$ collisions at $\sqrt{s} = 7$ TeV</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Physical Review D 86 (9), 091103</p>	18	2012
<p>Measurement of the b-hadron production cross section using decays to $D^{*+} \mu^- X$ final states in pp collisions at with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ...</p> <p>Nuclear Physics B 864 (3), 341-381</p>	19	2012
<p>Search for a supersymmetric partner to the top quark in final states with jets and missing transverse momentum at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Physical review letters 109 (21), 211802</p>	171	2012
<p>Search for Direct Top Squark Pair Production in Final States with One Isolated Lepton, Jets, and Missing Transverse Momentum in $\sqrt{s} = 7$ TeV $p\bar{p}$ Collisions Using 4.7...</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Physical Review Letters 109 (21), 211803</p>	261	2012
<p>Further search for supersymmetry at $\sqrt{s} = 7$ TeV in final states with jets, missing transverse momentum, and isolated leptons with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Physical Review D 86 (9), 092002</p>	21	2012
<p>Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s} = 7$ TeV with ATLAS</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Journal of High Energy Physics 2012 (11), 33</p>	68	2012
<p>Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s} = 7$ TeV $p\bar{p}$ collisions</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>The European Physical Journal C 72 (11), 2237</p>	112	2012
<p>Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS d...</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p>	54	2012

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The European Physical Journal C 72 (11), 2215		
Search for high-mass resonances decaying to dilepton final states in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ... Journal of High Energy Physics 2012 (11), 138	157	2012
Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ... Journal of High Energy Physics 2012 (11), 94	166	2012
Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ... The European Physical Journal C 72 (11), 2211	60	2012
Measurement of the t-channel single top-quark production cross section in pp collisions at $s=7$ TeV with the ATLAS detector G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ... Physics Letters B 717 (4-5), 330-350	104	2012
Measurement of $W\gamma$ and $Z\gamma$ production cross sections in pp collisions at $s=7$ TeV and limits on anomalous triple gauge couplings with the ATLAS detector G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ... Physics Letters B 717 (1-3), 49-69	62	2012
Measurement of the top quark pair cross section with ATLAS in pp collisions at $s=7$ TeV using final states with an electron or a muon and a hadronically decaying τ l... G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ... Physics Letters B 717 (1-3), 89-108	34	2012
Search for a Standard Model Higgs boson in the mass range 200–600 GeV in the $H\rightarrow ZZ\rightarrow \ell^+\ell^-q\bar{q}$ decay channel with the ATLAS detector G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ... Physics Letters B 717 (1-3), 70-88	13	2012
Search for a standard model Higgs boson in the $H\rightarrow ZZ\rightarrow \ell^+\ell^-v\bar{v}$ decay channel using 4.7 fb ⁻¹ of $s=7$ TeV data with the ATLAS detector G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ...	5*	2012

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Physics Letters B 717 (1-3), 29-48		
<p>ATLAS measurements of the properties of jets for boosted particle searches</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ...</p> <p>Physical Review D 86 (7), 072006</p>	86	2012
<p>Underlying event characteristics and their dependence on jet size of charged-particle jet events in p p collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ...</p> <p>Physical Review D 86 (7), 072004</p>	31	2012
<p>Measurement of $W\pm Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>The European Physical Journal C 72 (10), 2173</p>	202	2012
<p>Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>The European Physical Journal C 72 (10), 2174</p>	111	2012
<p>Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 7$ TeV</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physics Letters B 716 (1), 122-141</p>	59	2012
<p>Search for the Standard Model Higgs boson in the $H \rightarrow WW^{(*)} \rightarrow \ell\nu\ell\nu$ decay mode with 4.7 fb^{-1} of ATLAS data at $\sqrt{s} = 7$ TeV</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ...</p> <p>Physics Letters B 716 (1), 62-81</p>	144	2012
<p>Evidence for the associated production of a W boson and a top quark in ATLAS at $\sqrt{s} = 7$ TeV</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ...</p> <p>Physics Letters B 716 (1), 142-159</p>	184	2012
<p>Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Physics Letters B 716 (1), 1-29</p>	10937	2012

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<p>Search for a fermiophobic Higgs boson in the diphoton decay channel with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ...</p> <p>The European Physical Journal C 72 (9), 2157</p>	17	2012
<p>Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+ \tau^-$ decay mode in $\sqrt{s} = 7 \sqrt{\text{TeV}}$ pp collisions with ATLAS</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ...</p> <p>Journal of High Energy Physics 2012 (9), 70</p>	60	2012
<p>A search for $\overline{t} t$ resonances in lepton+ jets events with highly boosted top quarks collected in pp collisions at $\sqrt{s} = 7 \sqrt{\text{TeV}}$ with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Journal of High Energy Physics 2012 (9), 41</p>	129	2012
<p>Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7 \sqrt{\text{TeV}}$ with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ...</p> <p>The European Physical Journal C 72 (9), 2151</p>	82	2012
<p>A search for resonances in lepton+ jets events with highly boosted top quarks collected in pp collisions at TeV with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Journal of High Energy Physics 2012 (9), 1-45</p>	1	2012
<p>A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $\sqrt{s} = 7 \sqrt{\text{TeV}}$</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ...</p> <p>Journal of High Energy Physics 2012 (9), 139</p>	113	2012
<p>Search for scalar top quark pair production in natural gauge mediated supersymmetry models with the ATLAS detector in pp collisions at</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ...</p> <p>Physics Letters B 715 (1), 44-60</p>	20	2012
<p>Search for t b Resonances in Proton-Proton Collisions at $\sqrt{s} = 7 \sqrt{\text{TeV}}$ with the ATLAS Detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ...</p> <p>Physical review letters 109 (8), 081801</p>	90	2012

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<p>Search for Pair Production of a New b' Quark that Decays into a Z Boson and a Bottom Quark with the ATLAS Detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ...</p> <p>Physical review letters 109 (7), 071801</p>	49	2012
<p>Search for supersymmetry with jets, missing transverse momentum and at least one hadronically decaying τ lepton in proton–proton collisions at $\sqrt{s} = 7$ TeV with the A...</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ...</p> <p>Physics Letters B 714 (2-5), 197-214</p>	51	2012
<p>Search for events with large missing transverse momentum, jets, and at least two tau leptons in 7 TeV proton–proton collision data with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ...</p> <p>Physics Letters B 714 (2), 180-196</p>	67	2012
<p>Combined search for the Standard Model Higgs boson in p p collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ...</p> <p>Physical Review D 86 (3), 032003</p>	121	2012
<p>Measurement of inclusive jet and dijet production in p p collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physical Review D 86 (1), 014022</p>	340	2012
<p>Measurement of the azimuthal anisotropy for charged particle production in $\sqrt{s_{NN}} = 2.76$ TeV lead-lead collisions with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ...</p> <p>Physical Review C 86 (1), 014907</p>	487	2012
<p>Search for pair-produced heavy quarks decaying to $W q$ in the two-lepton channel at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physical Review D 86 (1), 012007</p>	38	2012
<p>Search for down-type fourth generation quarks with the ATLAS detector in events with one lepton and hadronically decaying W bosons</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physical Review Letters 109 (3), 032001</p>	93	2012
<p>Search for the decay $B_s^0 \rightarrow \mu^+ \mu^-$ with the ATLAS detector</p>	165	2012

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G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ... Physics Letters B 713 (4-5), 387-407		
Determination of the Strange-Quark Density of the Proton from ATLAS Measurements of the $W \rightarrow \ell \nu$ and $Z \rightarrow \ell \ell$ Cross Sections G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physical review letters 109 (1), 012001	210	2012
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 G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ... Journal of High Energy Physics 2012 (7), 167	49	2012
Search for heavy neutrinos and right-handed W bosons in events with two leptons and jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... The European Physical Journal C 72 (7), 2056	172	2012
Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Journal of High Energy Physics 2012 (7), 19	30	2012
Measurement of τ polarization in $W \rightarrow \tau \nu$ decays with the ATLAS detector in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ... The European Physical Journal C 72 (7), 2062	44	2012
Search for Supersymmetry in Events with Three Leptons and Missing Transverse Momentum in $\sqrt{s} = 7 \text{ TeV}$ p p Collisions with the ATLAS Detector G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ... Physical review letters 108 (26), 261804	77	2012
Search for pair production of a heavy up-type quark decaying to a W boson and a b quark in the lepton+ jets channel with the ATLAS detector G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physical Review Letters 108 (26), 261802	84	2012
Search for resonant W Z production in the $W Z \rightarrow l \nu l' l'$ channel in $\sqrt{s} = 7 \text{ TeV}$ p p collisions with the ATLAS detector	68	2012

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G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ... Physical Review D 85 (11), 112012		
Search for a light Higgs boson decaying to long-lived weakly interacting particles in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physical review letters 108 (25), 251801	42	2012
ATLAS collaboration G Aad Phys. Lett. B 716 (1)	107	2012
Search for Gluinos in Events with Two Same-Sign Leptons, Jets, and Missing Transverse Momentum with the ATLAS Detector in p p Collisions at $\sqrt{s} = 7$ TeV G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ... Physical review letters 108 (24), 241802	38	2012
Search for supersymmetry in p p collisions at $\sqrt{s} = 7$ TeV in final states with missing transverse momentum and b-jets with the ATLAS detector G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ... Physical Review D 85 (11), 112006	145	2012
Measurement of the WW cross section in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector and limits on anomalous gauge couplings G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ... Physics Letters B 712 (4-5), 289-308	98	2012
Search for new particles decaying to ZZ using final states with leptons and jets with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physics Letters B 712 (4-5), 331-350	59	2012
Search for FCNC single top-quark production at $\sqrt{s} = 7$ TeV with the ATLAS detector G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physics Letters B 712 (4-5), 351-369	89	2012
Measurement of $t\bar{t}$ production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector	385	2012

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G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ... The European Physical Journal C 72 (6), 2043		
Measurement of the charge asymmetry in top quark pair production in pp collisions at $\sqrt{s}=7\text{ TeV}$ using the ATLAS detector G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... The European Physical Journal C 72 (6), 2039	94	2012
Measurement of the W boson polarization in top quark decays with the ATLAS detector G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ... Journal of High Energy Physics 2012 (6), 88	168	2012
Search for lepton flavour violation in the $e\mu$ continuum with the ATLAS detector in $\sqrt{s}=7\text{ TeV}$ pp collisions at the LHC G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... The European Physical Journal C 72 (6), 2040	30	2012
Measurement of the top quark mass with the template method in the $t\bar{t}\rightarrow\text{lepton}+\text{jets}$ channel using ATLAS data G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... The European Physical Journal C 72 (6), 2046	174	2012
Search for charged Higgs bosons decaying via $H\pm\rightarrow t\nu$ in $t\bar{t}$ events using pp collision data at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ... Journal of High Energy Physics 2012 (6), 39	320	2012
Search for contact interactions in dilepton events from pp collisions at $s=7\text{ TeV}$ with the ATLAS detector G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physics Letters B 712 (1-2), 40-58	37	2012
Search for heavy vector-like quarks coupling to light quarks in proton–proton collisions at $s=7\text{ TeV}$ with the ATLAS detector G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ... Physics Letters B 712 (1-2), 22-39	58	2012
Observation of Spin Correlation in $t\bar{t}$ Events from pp Collisions at $s=7\text{ TeV}$ Using the ATLAS Detector	57	2012

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G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ... Physical review letters 108 (21), 212001		
Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physical Review D 85 (9), 092014	98	2012
Search for Production of Resonant States in the Photon-Jet Mass Distribution Using $p p$ Collisions at $\sqrt{s} = 7$ TeV Collected by the ATLAS Detector G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physical review letters 108 (21), 211802	15	2012
Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physics Letters B 711 (3-4), 244-263	278	2012
Search for Scalar Bottom Quark Pair Production with the ATLAS Detector in $p p$ Collisions at $\sqrt{s} = 7$ TeV G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physical review letters 108 (18), 181802	136	2012
Study of jets produced in association with a W boson in $p p$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physical Review D 85 (9), 092002	167	2012
Jet mass and substructure of inclusive jets in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS experiment G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ... Journal of High Energy Physics 2012 (5), 128	235	2012
Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Journal of High Energy Physics 2012 (5), 157	25	2012
Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...	54	2012

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The European Physical Journal C 72 (5), 2001		
Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s}=7\sqrt{\text{TeV}}$ with the ATLAS detector using final states with two high... G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Journal of High Energy Physics 2012 (5), 59	239	2012
Search for excited leptons in proton-proton collisions at $s=7\text{ TeV}$ with the ATLAS detector G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physical Review D 85 (7), 072003	2	2012
Measurement of the inclusive $W\pm$ and Z/γ^* cross sections in the e and μ decay channels in p p collisions at $s=7\text{ TeV}$ with the ATLAS detector G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physical Review D 85 (7), 072004	502	2012
Search for diphoton events with large missing transverse momentum in 1 fb ⁻¹ of 7 TeV proton-proton collision data with the ATLAS detector ATLAS Collaboration G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... PHYSICS LETTERS B 710 (4-5), 519-537		2012
Search for extra dimensions using diphoton events in 7 TeV proton-proton collisions with the ATLAS detector G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physics Letters B 710 (4-5), 538-556	93	2012
Search for diphoton events with large missing transverse momentum in 1 fb ⁻¹ of 7 TeV proton-proton collision data with the ATLAS detector G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physics Letters B 710 (4-5), 519-537	125	2012
Measurement of the centrality dependence of the charged particle pseudorapidity distribution in lead-lead collisions at with the ATLAS detector G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physics Letters B 710 (3), 363-382	184	2012
Search for the Standard Model Higgs boson in the decay channel $H\rightarrow ZZ(*)\rightarrow 4\ell$ with 4.8 fb ⁻¹ of pp collision data at $s=7\text{ TeV}$ with ATLAS	192	2012

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G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ... Physics Letters B 710 (3), 383-402		
Observation of a New χ b State in Radiative Transitions to Y (1 S) and Y (2 S) at ATLAS G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physical review letters 108 (15), 152001	179	2012
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 G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ... Journal of High Energy Physics 2012 (4), 69	60	2012
Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s}=7$ TeV G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... The European Physical Journal C 72 (4), 1993	37	2012
Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... The European Physical Journal C 72 (4), 1965	41	2012
Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physics Letters B 710 (1), 67-85		2012
Combined search for the Standard Model Higgs boson using up to 4.9 fb ⁻¹ of pp collision data at $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ... Physics Letters B 710 (1), 49-66	808	2012
Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in proton-proton collisions G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physics Letters B 710 (1), 67-85	595	2012

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<p>Measurement of the $W\pm Z$ production cross section and limits on anomalous triple gauge couplings in proton–proton collisions at with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physics Letters B 709 (4), 341-357</p>	87	2012
<p>Search for strong gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physics Letters B 709 (4-5), 322-340</p>	62	2012
<p>Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in proton–proton collisions</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physics Letters B 709 (3), 137-157</p>	153	2012
<p>Search for first generation scalar leptoquarks in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physics Letters B 709 (3), 158-176</p>	106	2012
<p>Measurement of $D^*\pm$ meson production in jets from p p collisions at $\sqrt{s}=7$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physical Review D 85 (5), 052005</p>	34	2012
<p>Search for the Standard Model Higgs Boson in the Diphoton Decay Channel with 4.9 fb⁻¹ of p p Collision Data at $\sqrt{s}=7$ TeV with ATLAS</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ...</p> <p>Physical Review Letters 108 (11), 111803</p>	159	2012
<p>Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>The European Physical Journal C 72 (3), 1909</p>	1422	2012
<p>Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>The European Physical Journal C 72 (3), 1926</p>	146	2012

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<p>Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the Standard Model with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physical Review D 85 (3), 032004</p>	96	2012
<p>Search for new physics in the dijet mass distribution using 1 fb⁻¹ of pp collision data at collected by the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physics Letters B 708 (1), 37-54</p>	187	2012
<p>Measurement of the cross section for the production of a W boson in association with b-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physics Letters B 707 (5), 418-437</p>	144	2012
<p>Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physics Letters B 707 (5), 438-458</p>	41	2012
<p>Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions at ATLAS</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physics Letters B 707 (5), 478-496</p>	93	2012
<p>Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s} = 7$ TeV in dilepton final states with ATLAS</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physics Letters B 707 (5), 459-477</p>	213	2012

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<p>Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead–lead collisions at with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physics Letters B 707 (3), 330-348</p>	187	2012
<p>Search for new phenomena in t t events with large missing transverse momentum in proton-proton collisions at s= 7 TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physical Review Letters 108 (4), 041805</p>	80	2012
<p>Measurement of the Z Z Production Cross Section and Limits on Anomalous Neutral Triple Gauge Couplings in Proton-Proton Collisions at s= 7 TeV with the ATLAS...</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physical review letters 108 (4), 041804</p>	44	2012
<p>Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in s= 7 TeV pp collisions using 1 fb⁻¹ of ATLAS data</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physical Review D 85 (1), 012006</p>	183	2012
<p>Measurement of the transverse momentum distribution of W bosons in p p collisions at s= 7 TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physical Review D 85 (1), 012005</p>	139	2012
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<p>K s 0 and Λ production in p p interactions at s= 0.9 and 7 TeV measured with the ATLAS detector at the LHC</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physical Review D 85 (1), 012001</p>	46	2012
<p>Measurement of the cross-section for b-jets produced in association with a Z boson at s= 7 TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physics Letters B 706 (4-5), 295-313</p>	121	2012

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<p>Measurement of the $W \rightarrow \tau\nu\tau$ cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physics Letters B 706 (4-5), 276-294</p>	66	2012
<p>A search for [Formula: see text] resonances with the ATLAS detector in 2.05 fb⁻¹ of proton-proton collisions at [Formula: see text].</p> <p>G Aad, B Abbott, J Abdallah, SK Abdel, AA Abdelalim, O Abdinov, B Abi, ...</p> <p>The European physical journal. C, Particles and fields 72 (7), 2083-2083</p>	91	2012
<p>Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in 4.7 fb⁻¹ of $\sqrt{s} = 7$ TeV proton-proton collisions</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, O Abdinov, B Abi, ...</p> <p>Springer-Verlag</p>		2012
<p>Search for resonant WZ production in the WZ\rightarrowlvlchannel in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, A Abdesselam, ...</p> <p>Physical Review D 85 (11)</p>		2012
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<p>Search for the decay $B [0 \text{ over } s] \rightarrow \mu [superscript+] \mu [superscript-]$ with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, S Abdel Khalek, AA Abdelalim, O Abdinov, ...</p> <p>Elsevier</p>		2012
<p>A search for $t [\text{bar over } t]$ resonances with the ATLAS detector in 2.05 fb⁻¹ of proton-proton collisions at $\sqrt{s} = 7$ TeV</p> <p>G Aad, B Abbott, J Abdallah, S Abdel Khalek, AA Abdelalim, O Abdinov, ...</p> <p>Springer-Verlag</p>		2012
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<p>Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s} = 7$ in Dilepton Final States with ATLAS</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Elsevier BV</p>		2012
<p>Measurement of $t\bar{t}$ production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, S Abdel Khalek, AA Abdelalim, ... Springer-Verlag</p>		2012
<p>Time-dependent angular analysis of the decay $B \rightarrow J/\psi\phi$ and extraction of $\Delta\Gamma_s$ and the CP-violating weak phase φ_s by ATLAS</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, S Abdel Khalek, AA Abdelalim, ... Springer-Verlag</p>		2012
<p>Measurement of the charge asymmetry in top quark pair production in pp collisions</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Springer-Verlag</p>		2012
<p>Measurement of the WZ production cross section and limits on anomalous triple gauge couplings in proton–proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Elsevier</p>		2012
<p>Measurement of the b-hadron production cross section using decays to $D^* \mu X$ final states in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, S Abdel Khalek, AA Abdelalim, O Abdinov, ... Elsevier</p>		2012
<p>Search for the Higgs Boson in the $H \rightarrow WW \rightarrow \ell\nu\ell\bar{\nu}$ Decay Channel in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector</p> <p>G Aad, B Abbott, J Abdallah, A Abdelalim, A Abdesselam, O Abdinov, ... American Physical Society</p>		2012
<p>Measurement of $t\bar{t}$ production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, S Abdel Khalek, AA Abdelalim, ... Springer-Verlag</p>	28	2012

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<p>Search for lepton flavour violation in the $e\mu$ continuum with the ATLAS detector in</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Springer-Verlag</p>		2012
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<p>Measurement of W (\pm) Z production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ... European Physical Journal C 72 (10)</p>		2012
<p>Search for Pair Production of Heavy Top-Like Quarks Decaying to a High-p_T W Boson and a b Quark in the Lepton Plus Jets Final State at $\sqrt{s} = 7$ TeV with</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, S Abdel Khalek, AA Abdelalim, ... Elsevier</p>		2012
<p>Measurement of τ polarization in $W \rightarrow \tau\nu$ decays with the ATLAS detector in pp collisions at</p> <p>G Aad, B Abbott, J Abdallah, S Abdel Khalek, AA Abdelalim, ... Springer-Verlag</p>		2012
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<p>A search for $t\bar{t}$ resonances in lepton+ jets events with highly boosted top quarks collected in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, SA Khalek, AA Abdelalim, ... Springer-Verlag</p>		2012

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<p>Search for a Standard Model Higgs boson in the mass range 200-600 GeV in the $H \rightarrow ZZ \rightarrow \ell \ell \bar{q} q$ decay channel with the ATLAS</p> <p>G Aad, B Abbott, J Abdallah, S Abdel Khalek, AA Abdelalim, O Abdinov, ... Elsevier</p>		2012
<p>Measurement of $W^\pm Z$ Production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector</p> <p>G Aad, T Abajyan, B Abbott, J Abdallah, S Abdel Khalek, AA Abdelalim, ... Springer-Verlag</p>		2012
<p>Search for Dilepton Resonances in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physical review letters 107 (27), 272002</p>	248	2011
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<p>Measurement of the inclusive isolated prompt photon cross-section in pp collisions at using 35 fb^{-1} of ATLAS data</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physics Letters B 706 (2), 150-167</p>	128	2011
<p>Search for massive colored scalars in four-jet final states in $\sqrt{s} = 7 \text{ TeV}$ proton-proton collisions with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... The European Physical Journal C 71 (12), 1828</p>	89	2011
<p>Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... The European Physical Journal C 71 (12), 1846</p>	121	2011
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<p>Measurement of $W\gamma$ and $Z\gamma$ production in proton-proton collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Journal of High Energy Physics 2011 (9), 72</p>	23	2011
<p>Measurement of dijet production with a veto on additional central jet activity in pp collisions at $\sqrt{s}=7\text{ TeV}$ using the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Journal of High Energy Physics 2011 (9), 53</p>	114	2011
<p>Measurement of $W\gamma$ and $Z\gamma$ production in proton-proton collisions at TeV with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Journal of High Energy Physics 2011 (9), 1-42</p>	34	2011
<p>Measurement of the $W^+ W^-$ Cross Section in $s=7\text{ TeV}$ p p Collisions with ATLAS</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physical review letters 107 (4), 041802</p>	80	2011
<p>Search for supersymmetry in pp collisions at in final states with missing transverse momentum and b-jets</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physics Letters B 701 (4), 398-416</p>	132	2011
<p>Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in $\sqrt{s}=7\text{ TeV}$ proton-proton collisions with t...</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>The European Physical Journal C 71 (7), 1647</p>	59	2011
<p>Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s}=7\text{ TeV}$ proton-proton collisions with t...</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>The European Physical Journal C 71 (7), 1682</p>	46	2011
<p>Search for contact interactions in dimuon events from p p collisions at $s=7\text{ TeV}$ with the ATLAS detector</p> <p>G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ...</p> <p>Physical Review D 84 (1), 011101</p>	19	2011
<p>Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC</p>	126	2011

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Search for high-mass states with one lepton plus missing transverse momentum in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector G Aad, B Abbott, J Abdallah, AA Abdelalim, A Abdesselam, O Abdinov, ... Physics Letters B 701 (1), 50-69	33	2011
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