

# Elena Solfaroli-Camillocchi

## List of Publications by Year in descending order

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368  
papers

30,716  
citations

7096

78  
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5829

161  
g-index

369  
all docs

369  
docs citations

369  
times ranked

12136  
citing authors

#	ARTICLE	IF	CITATIONS
1	90Y-DOTA-Nimotuzumab: Synthesis of a Promising $^{90}\text{Y}$ Radiopharmaceutical. Current Radiopharmaceuticals, 2022, 15, 32-39.	0.8	2
2	Localization of anatomical changes in patients during proton therapy with in-beam PET monitoring: A voxel-based morphometry approach exploiting Monte Carlo simulations. Medical Physics, 2022, 49, 23-40.	3.0	8
3	Mono-channel probes for beta emission. , 2022, , .		0
4	Monitoring Carbon Ion Beams Transverse Position Detecting Charged Secondary Fragments: Results From Patient Treatment Performed at CNAO. Frontiers in Oncology, 2021, 11, 601784.	2.8	9
5	First <i>Ex Vivo</i> Results of $^{90}\text{Y}$ -Radioguided Surgery in Small Intestine Neuroendocrine Tumors with $^{90}\text{Y}$ -DOTATOC. Cancer Biotherapy and Radiopharmaceuticals, 2021, 36, 397-406.	1.0	8
6	Detection of Interfractional Morphological Changes in Proton Therapy: A Simulation and In Vivo Study With the INSIDE In-Beam PET. Frontiers in Physics, 2021, 8, .	2.1	16
7	A wearable radiation measurement system for collection of patient-specific time-activity data in radiopharmaceutical therapy: system design and monte carlo simulation results. Medical Physics, 2021, , .	3.0	3
8	Radioguided surgery with $^{125}\text{I}$ radiation in pancreatic Neuroendocrine Tumors: a feasibility study. Scientific Reports, 2020, 10, 4015.	3.3	8
9	A DROP-IN beta probe for robot-assisted $^{68}\text{Ga}$ -PSMA radioguided surgery: first ex vivo technology evaluation using prostate cancer specimens. EJNMMI Research, 2020, 10, 92.	2.5	32
10	Mass spectrometry characterization of DOTA-Nimotuzumab conjugate as precursor of an innovative $^{125}\text{I}$ tracer suitable in radio-guided surgery. Journal of Pharmaceutical and Biomedical Analysis, 2018, 156, 8-15.	2.8	5
11	In-room performance evaluation of a novel online charged secondary particles monitor of light ions PT treatments. , 2018, , .		0
12	Radioguided surgery with $^{125}\text{I}$ radiation: a novel application with $^{68}\text{Ga}$ . Scientific Reports, 2018, 8, 16171.	3.3	28
13	Design of a new tracking device for on-line beam range monitor in carbon therapy. Physica Medica, 2017, 34, 18-27.	0.7	25
14	Feasibility of beta-particle radioguided surgery for a variety of $\alpha$ -nuclear medicine radionuclides. Physica Medica, 2017, 43, 127-133.	0.7	24
15	Addendum: Measurement of charged particle yields from PMMA irradiated by a $^{220}\text{Rn}$ beam. Physics in Medicine and Biology, 2017, 62, 8483-8494.	3.0	5
16	Monitoring of Hadrontherapy Treatments by Means of Charged Particle Detection. Frontiers in Oncology, 2016, 6, 177.	2.8	23
17	An Intraoperative $\beta$ -Detecting Probe for Radio-Guided Surgery in Tumour Resection. IEEE Transactions on Nuclear Science, 2016, 63, 2533-2539.	2.0	9
18	Observation of top-quark pair production in association with a photon and measurement of the cross section in $\gamma\gamma$ production	4.7	36

#	ARTICLE	IF	CITATIONS
19	Measurement of charged particle yields from therapeutic beams in view of the design of an innovative hadrontherapy dose monitor. Journal of Instrumentation, 2015, 10, C02032-C02032.	1.2	5
20	Polycrystalline para-terphenyl scintillator adopted in a $\hat{\tau}^2$ detecting probe for radio-guided surgery. Journal of Physics: Conference Series, 2015, 620, 012009.	0.4	5
21	Time Evolution of DOTATOC Uptake in Neuroendocrine Tumors in View of a Possible Application of Radioguided Surgery with $\hat{\tau}^2$ Decay. Journal of Nuclear Medicine, 2015, 56, 1501-1506.	5.0	26
22	Search for Higgs Boson Pair Production in the $\hat{\tau}^2$ Final State Using pp Collision Data at $\sqrt{s} = 8$ TeV from the ATLAS Detector. Physical Review Letters, 2015, 114, 081802.	7.8	98
23	Simultaneous measurements of the $\hat{\tau}^2$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. Physical Review D, 2015, 91, 032004.	4.7	16
24	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	3.9	268
25	Measurement of the $\hat{\tau}^2$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
26	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	3.9	62
27	Toward Radioguided Surgery with $\hat{\tau}^2$ Decays: Uptake of a Somatostatin Analogue, DOTATOC, in Meningioma and High-Grade Glioma. Journal of Nuclear Medicine, 2015, 56, 3-8.	5.0	92
28	A neural network clustering algorithm for the ATLAS silicon pixel detector. Journal of Instrumentation, 2014, 9, P09009-P09009.	1.2	45
29	Measurements of spin correlation in top-antitop quark events from proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2014, 90, 032004.	4.7	31
30	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $\sqrt{s} = 8$ TeV with ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
31	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 20 fb $^{-1}$ of $\sqrt{s} = 8$ TeV proton-proton collision data with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	12
32	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s} = 8$ TeV proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1.	4.7	128
33	Search for WZ resonances in the fully leptonic channel using pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	12
34	Measurement of the cross-section of high transverse momentum $\hat{\tau}^2$ and High-Energy Physics, 2014, 2014, 1.	4.1	11
35	Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 329, 320-342.	4.1	121
36	Measurement of the cross-section of high transverse momentum vector bosons reconstructed as single jets and studies of jet substructure in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2014, 16, 113013.	2.9	24

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37	Search for high-mass dilepton resonances in proton-proton collisions at the ATLAS detector. Physical Review D, 2014, 90, .	7.8	35
38	Search for invisible decays of a Higgs boson produced in association with a Z boson in proton-proton collisions at the ATLAS detector. Physical Review Letters, 2014, 112, .	4.7	237
39	Evidence for Electroweak Production of Z bosons in proton-proton collisions at the ATLAS detector. Physical Review D, 2014, 90, .	7.8	51
40	Search for high-mass dilepton resonances in proton-proton collisions at the ATLAS detector. Physical Review D, 2014, 90, .	7.8	123
41	Flavor-tagged time-dependent angular analysis of the charm quark production and extraction of the CKM matrix element $ V_{cb} $ in proton-proton collisions at the ATLAS detector. Physical Review D, 2014, 90, .	4.7	71
42	Search for a multi-Higgs-boson cascade in proton-proton collisions at the ATLAS detector. Physical Review Letters, 2014, 112, .	4.7	15
43	Search for invisible decays of a Higgs boson produced in association with a Z boson in proton-proton collisions at the ATLAS detector. Physical Review Letters, 2014, 112, .	4.7	90
44	Search for Dark Matter in Events with a Hadronically Decaying Z Boson and Missing Transverse Momentum in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector. Physical Review Letters, 2014, 112, 041802.	7.8	130
45	Search for a multi-Higgs-boson cascade in proton-proton collisions at the ATLAS detector. Physical Review Letters, 2014, 112, .	4.7	58
46	Search for a multi-Higgs-boson cascade in proton-proton collisions at the ATLAS detector. Physical Review Letters, 2014, 112, .	4.7	15
47	Study of heavy-flavor quarks produced in association with top-quark pairs at $\sqrt{s} = 7$ TeV using the ATLAS detector. Physical Review D, 2014, 89, .	4.7	26
48	Search for Dark Matter in Events with a Hadronically Decaying Z Boson and Missing Transverse Momentum in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector. Physical Review Letters, 2014, 112, 041802.	7.8	129
50	Observation of an Excited Z Boson and Missing Transverse Momentum in pp Collisions at $\sqrt{s} = 8$ TeV with the ATLAS Detector. Physical Review Letters, 2014, 113, 212004.	4.7	62
51	Measurement of event-plane correlations in proton-proton collisions at the ATLAS detector. Physical Review D, 2014, 90, .	4.7	134
52	Search for supersymmetry in events with four or more leptons in proton-proton collisions at the ATLAS detector. Physical Review D, 2014, 90, .	4.7	48
53	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s} = 7$ TeV in 2010. European Physical Journal C, 2014, 74, 3034.	3.9	58
54	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	41

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55	Measurement of the production cross-section of $\tilde{\chi}^0(2S) \hat{\chi}^{\pm} J/\psi(\hat{\chi}^{\pm} \hat{1}/4 + \hat{1}/4 \hat{\chi}^{\pm}) \tilde{\chi}^{\pm} + \tilde{\chi}^{\pm} \hat{\chi}^{\pm}$ in pp collisions at $\sqrt{s} = 7$ TeV at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	21
56	Measurement of the $Z/\hat{3}^*$ boson transverse momentum distribution in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	131
57	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $\sqrt{s} = 8$ TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	38
58	Extended calibration range for prompt photon emission in ion beam irradiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 745, 114-118.	1.6	7
59	Search for Higgs boson decays to a photon and a Z boson in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 8-27.	4.7	42
60	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	42
61	Measurement of the mass difference between top and anti-top quarks in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.1	8
62	The differential production cross section of the $\phi(1020)$ meson in $\sqrt{s} = 7$ TeV pp collisions measured with the ATLAS detector. European Physical Journal C, 2014, 74, 2895.	3.9	13
63	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 2941.	3.9	204
64	Measurement of the underlying event in jet events from $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 1.	3.9	23
65	Measurement of the centrality and pseudorapidity dependence of the integrated elliptic flow in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 2982.	3.9	22
66	Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	3.9	77
67	Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	22
68	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	88
69	Measurement of the production cross section of prompt $J/\psi$ mesons in association with a $W^{\pm}$ boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
70	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	36
71	Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	59
72	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	145

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73	Search for top quark decays $t \rightarrow qH$ with $H \rightarrow \tau^+\tau^-$ using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, .	4.7	35
74	Search for supersymmetry at $\sqrt{s} = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
75	Measurement of the low-mass Drell-Yan differential cross section at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	25
76	Search for direct top-squark pair production in final states with two leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	59
77	Measurement of $t\bar{t}$ $c1$ and $t\bar{t}$ $c2$ production with $\sqrt{s} = 7$ TeV pp collisions at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	32
78	Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	10
79	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
80	Search for direct top squark pair production in events with a $Z$ boson, $b$ -jets and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 2883.	3.9	55
81	Search for new phenomena in photon + jet events collected in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Properties of $\mu$ -Terphenyl as a Detector for $\alpha$ and $\beta$ radiation. IEEE Transactions on Nuclear Science, 2014, 61, 1483-1487.	2.0	35
82	Notation="TeX"&gt; $\alpha$ &lt;/tex>&lt;/formula>, &lt;math>\beta &lt;/math> and $\gamma$ &lt;/math> Radiation. IEEE Transactions on Nuclear Science, 2014, 61, 1483-1487.	2.0	35
83	Operation and performance of the ATLAS semiconductor tracker. Journal of Instrumentation, 2014, 9, P08009-P08009.	1.2	25
84	Standalone vertex finding in the ATLAS muon spectrometer. Journal of Instrumentation, 2014, 9, P02001-P02001.	1.2	15
85	Monitoring and data quality assessment of the ATLAS liquid argon calorimeter. Journal of Instrumentation, 2014, 9, P07024-P07024.	1.2	16
86	A novel radioguided surgery technique exploiting $^{225}\text{Ac}$ decays. Scientific Reports, 2014, 4, 4401.	3.3	48
87	Measurement of the production cross section of jets in association with a $Z$ boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
88	Measurement of the cross-section for $W$ boson production in association with $b$ -jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	53
89	Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
90	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	137

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91	Measurement of ZZ production in pp collisions at $\sqrt{s}=7$ TeV and limits on anomalous ZZZ and ZZ $\tilde{\chi}^0$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	61
92	Search for charged Higgs bosons through the violation of lepton universality in $\overline{t}t$ events using pp collision data at $\sqrt{s}=7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	4.7	19
93	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
94	Measurement of kt splitting scales in $W\tilde{\chi}^0_1$ events at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.	3.9	19
95	Search for a light charged Higgs boson in the decay channel $H^{\pm} \rightarrow c\bar{c}$ in $t\bar{t}$ events using pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector.	3.9	119
96	Measurement of angular correlations in $Drell\tilde{\chi}^0_1$ lepton pairs to probe the Higgs boson transverse momentum at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 233-245.	4.1	21
97	Search for displaced muonic lepton jets from light Higgs boson decay in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 233-245.	4.1	21
98	Search for displaced muonic lepton jets from light Higgs boson decay in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 233-245.	4.1	21
99	Measurement of the differential cross-section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 277-308.	4.1	67
100	Searches for heavy long-lived sleptons and R-hadrons with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 277-308.	4.1	67
101	Evidence for the spin-0 nature of the Higgs boson using ATLAS data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 120-144.	4.1	307
102	Measurements of Higgs boson production and couplings in diboson final states with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 88-119.	4.1	295
103	Search for resonances in the lepton plus jets final state with ATLAS using $\tilde{\chi}^0_1$ production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 120-144.	4.7	39
104	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 ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	102
105	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 ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	4.7	71
106	Measurement of the differential cross-section of B $^+$ meson production in pp collisions at $\sqrt{s}=7$ TeV at ATLAS. Journal of High Energy Physics, 2013, 2013, 1.	4.7	31
107	Performance of jet substructure techniques for large-R jets in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
108	Improved luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	3.9	362

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109	Measurement of the inclusive jet cross-section in pp collisions at $\sqrt{s}=2.76$ mTeV and comparison to the inclusive jet cross-section at $\sqrt{s}=7$ mTeV using the ATLAS detector. European Physical Journal C, 2013, 73, 2509.	3.9	105
110	Multi-channel search for squarks and gluinos in $\sqrt{s}=7$ mTeV pp collisions with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2362.	3.9	34
111	Measurement of jet shapes in top-quark pair events at $\sqrt{s}=7$ mTeV using the ATLAS detector. European Physical Journal C, 2013, 73, 2676.	3.9	33
112	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	175
113	Measurement of the top quark charge in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	17
114	Search for charginos nearly mass degenerate with the lightest neutralino based on a disappearing-track signature in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	110
115	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	81
116	Measurement of isolated-photon pair production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	64
117	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	59
118	Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	15
119	Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. Nuclear Physics B, 2013, 953, 1-12.	4.1	11
120	Search for light top-squark pair production in final states with leptons and b-jets with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 220-241.	4.1	195
121	Search for prompt lepton-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 299-317.	4.1	11
122	Dynamics of isolated-photon plus jet production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Nuclear Physics B, 2013, 875, 483-535.	2.5	33
123	Search for supersymmetry in events with photons, bottom quarks, and missing transverse momentum in proton-proton collisions at a centre-of-mass energy of 7 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 261-279.	4.1	169
124	Search for supersymmetry in events with photons, bottom quarks, and missing transverse momentum in proton-proton collisions at a centre-of-mass energy of 7 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 261-279.	4.1	6
125	A search for prompt lepton-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 299-317.	4.1	40
126	Search for supersymmetry in events with photons, bottom quarks, and missing transverse momentum in proton-proton collisions at a centre-of-mass energy of 7 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 299-317.	4.1	11



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127	Search for long-lived, multi-charged particles in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 280-298.	4.1	14
128	Search for a heavy narrow resonance decaying to $e\mu$ or $e\tau$ with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 280-298.	4.1	44
129	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	61
130	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	45
131	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 841-859.	4.1	24
132	Search for new phenomena in the $W\ell\ell$ final state in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 841-859.	4.1	22
133	Search for direct slepton and gaugino production in final states with two leptons and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 879-901.	4.1	37
134	Measurement of the flavour composition of dijet events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 1.	3.9	15
135	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.	3.9	45
136	Jet energy resolution in proton-proton collisions at $\sqrt{s} = 7$ TeV recorded in 2010 with the ATLAS detector. European Physical Journal C, 2013, 73, 2306.	3.9	209
137	Measurement of the $t\bar{t}$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	3.9	45
138	Measurement of Top Quark Polarization in Top-Antitop Events from Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 111, 222002.	7.8	57
139	Search for excited electrons and muons in $\sqrt{s} = 8$ TeV proton-proton collisions with the ATLAS detector. New Journal of Physics, 2013, 15, 093011.	2.9	23
140	Measurement of hard double-parton interactions in $W\ell\ell$ + 2-jet events at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 033038.	2.9	147
141	Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 043009.	2.9	15
142	Search for extra dimensions in diphoton events from proton-proton collisions at $\sqrt{s} = 7$ , 8 TeV in the ATLAS detector at the LHC. New Journal of Physics, 2013, 15, 043007.	2.9	41
143	Search for resonant diboson production in the $WW/WZ\ell\ell$ decay channels with the ATLAS detector at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	4.7	18

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146	Measurement of upsilong production in 7 TeV Search for nonpointing photons in the diphoton and Physical Review D, 2013, 88, .	4.7	78
147	Search for long-lived particles with a Photon and Missing Transverse Momentum in Collision Data at Physical Review D, 2013, 88, .	7.8	105
148	Search for long-lived stopped hadrons decaying out of time with collisions using the ATLAS detector. Physical Review D, 2013, 88, .	4.7	57
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154	Search for microscopic black holes in a like-sign dimuon final state using large track multiplicity with the ATLAS detector. Physical Review D, 2013, 88, .	4.7	14
155	Search for new phenomena in events with three charged leptons at Measurements of the ATLAS detector. Physical Review D, 2013, 87, .	4.7	14
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157	Measurement of the Azimuthal Angle Dependence of Inclusive Jet Yields in Pb+Pb Collisions at NN=2.76 TeV with the ATLAS Detector. Physical Review Letters, 2013, 111, 152301.	7.8	59
158	Characterisation and mitigation of beam-induced backgrounds observed in the ATLAS detector during the 2011 proton-proton run. Journal of Instrumentation, 2013, 8, P07004-P07004.	1.2	59
159	Triggers for displaced decays of long-lived neutral particles in the ATLAS detector. Journal of Instrumentation, 2013, 8, P07015-P07015.	1.2	48
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164	Search for resonant top quark plus jet production in pp collisions at $\sqrt{s}=7\text{ TeV}$ . Physical Review D, 2012, 86, .	4.7	16
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170	Search for New Phenomena in Proton-Proton Collisions at $\sqrt{s}=7\text{ TeV}$ with Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s}=7\text{ TeV}$ decaying to a $W$ Boson and a $Z$ Boson and a $W$ Boson and a $Z$ Boson. Physical Review Letters, 2012, 109, 071801.	7.8	80
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174	Search for Resonances in Proton-Proton Collisions at $\sqrt{s}=7\text{ TeV}$ . Physical Review Letters, 2012, 109, 081801.	7.8	33
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183	Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle$ from ATLAS Measurements of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle$ Cross Sections. Physical Review Letters, 2012, 109, 012001.	7.8	117
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221	Search for the Standard Model Higgs boson in the $W \rightarrow \tau \nu$ decay channel with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 1-29.	4.1	14
222	Search for the Standard Model Higgs boson in the $W \rightarrow \tau \nu$ decay channel with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 1-29.	4.1	14
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263	Search for new physics in the dijet mass distribution using 1 fb <sup>-1</sup> of $pp$ collision data at $\sqrt{s} = 7$ TeV collected by the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 322-340.	4.1	17
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266	Search for the first generation scalar leptotop quarks in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 49-66.	4.1	58
267	Search for the first generation scalar leptotop quarks in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 49-66.	4.1	58
268	Search for the first generation scalar leptotop quarks in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 49-66.	4.1	58
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279	Search for contact interactions in dilepton events from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 40-58.	4.1	40
280	Search for heavy vector-like quarks coupling to light quarks in proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 22-39.	4.1	36
281	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	15
282	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	15
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291	Measurement of the inclusive cross-section for production of a pair of charm quarks in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector at the LHC. Physical Review Letters, 2011, 107, 041802.	4.7	55
292	Measurement of the inclusive cross-section for production of a pair of charm quarks in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector at the LHC. Physical Review Letters, 2011, 107, 041802.	7.8	24
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294	Measurement of the cross-section for production of a pair of charm quarks in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Physical Review D, 2011, 84, .	4.7	29
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