

Giuseppe Battistoni

List of Publications by Year in descending order

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Version: 2024-02-01

315
papers

14,298
citations

25034

57
h-index

24258

110
g-index

320
all docs

320
docs citations

320
times ranked

11285
citing authors

#	ARTICLE	IF	CITATIONS
1	Localization of anatomical changes in patients during proton therapy with in-beam PET monitoring: A voxel-based morphometry approach exploiting Monte Carlo simulations. <i>Medical Physics</i> , 2022, 49, 23-40.	3.0	8
2	The Drift Chamber detector of the FOOT experiment: Performance analysis and external calibration. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 986, 164756.	1.6	5
3	Charge identification of fragments with the emulsion spectrometer of the FOOT experiment. <i>Open Physics</i> , 2021, 19, 383-394.	1.7	6
4	Measuring the Impact of Nuclear Interaction in Particle Therapy and in Radio Protection in Space: the FOOT Experiment. <i>Frontiers in Physics</i> , 2021, 8, .	2.1	25
5	A Novel Approach to Design and Evaluate BNCT Neutron Beams Combining Physical, Radiobiological, and Dosimetric Figures of Merit. <i>Biology</i> , 2021, 10, 174.	2.8	11
6	PAPRICA: The Pair Production Imaging Chamber—Proof of Principle. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	0
7	Compact S -band linear accelerator system for ultrafast, ultrahigh dose-rate radiotherapy. <i>Physical Review Accelerators and Beams</i> , 2021, 24, .	1.6	18
8	Monitoring Carbon Ion Beams Transverse Position Detecting Charged Secondary Fragments: Results From Patient Treatment Performed at CNAO. <i>Frontiers in Oncology</i> , 2021, 11, 601784.	2.8	9
9	Charge identification of nuclear fragments with the FOOT Time-Of-Flight system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 1001, 165206.	1.6	4
10	Enhancing the understanding of fragmentation processes in hadrontherapy and radioprotection in space with the FOOT experiment. <i>Physica Scripta</i> , 2021, 96, 114013.	2.5	1
11	Biological Impact of Target Fragments on Proton Treatment Plans: An Analysis Based on the Current Cross-Section Data and a Full Mixed Field Approach. <i>Cancers</i> , 2021, 13, 4768.	3.7	5
12	Detection of Interfractional Morphological Changes in Proton Therapy: A Simulation and In Vivo Study With the INSIDE In-Beam PET. <i>Frontiers in Physics</i> , 2021, 8, .	2.1	16
13	Deep Seated Tumour Treatments With Electrons of High Energy Delivered at FLASH Rates: The Example of Prostate Cancer. <i>Frontiers in Oncology</i> , 2021, 11, 777852.	2.8	14
14	Charged particles and neutron trackers: Applications to particle therapy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 954, 161229.	1.6	1
15	Charge identification performance of a ^3He -TOF detector prototype for the FOOT experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 958, 162422.	1.6	3
16	Development of a novel neutron tracker for the characterisation of secondary neutrons emitted in Particle Therapy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 958, 162862.	1.6	7
17	Monitoring Proton Therapy Through in-Beam PET: An Experimental Phantom Study. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020, 4, 194-201.	3.7	11
18	Fragment charge identification technique with a plastic scintillator detector using clinical carbon beams. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 953, 163146.	1.6	5

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19	Challenges in Monte Carlo Simulations as Clinical and Research Tool in Particle Therapy: A Review. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	14
20	FLUKA simulation of target fragmentation in proton therapy. <i>Physica Medica</i> , 2020, 80, 342-346.	0.7	8
21	Inter-fractional monitoring of ^{12}C ions treatments: results from a clinical trial at the CNAO facility. <i>Scientific Reports</i> , 2020, 10, 20735.	3.3	13
22	Are Further Cross Section Measurements Necessary for Space Radiation Protection or Ion Therapy Applications? Helium Projectiles. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	18
23	Design of a BNCT irradiation room based on proton accelerator and beryllium target. <i>Applied Radiation and Isotopes</i> , 2020, 165, 109314.	1.5	5
24	Measurement of ^{12}C Fragmentation Cross Sections on C, O, and H in the Energy Range of Interest for Particle Therapy Applications. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2020, 4, 269-282.	3.7	5
25	Benchmarking of FLUKA production cross sections of positron emission tomography isotopes for in-vivo range verification in hadron therapy. <i>EPJ Web of Conferences</i> , 2020, 239, 24001.	0.3	1
26	Investigations on Physical and Biological Range Uncertainties in Krak'ow Proton Beam Therapy Centre. <i>Acta Physica Polonica B</i> , 2020, 51, 9.	0.8	4
27	The MONDO Tracker: Characterisation and Study of Secondary Ultrafast Neutrons Production in Carbon Ion Radiotherapy. <i>Frontiers in Physics</i> , 2020, 8, .	2.1	0
28	Analysis of in-beam PET time-profiles in proton therapy. <i>Journal of Instrumentation</i> , 2019, 14, C02001-C02001.	1.2	5
29	Secondary radiation measurements for particle therapy applications: Charged secondaries produced by ^{16}O ion beams in a PMMA target at large angles. <i>Physica Medica</i> , 2019, 64, 45-53.	0.7	4
30	FOOT: a new experiment to measure nuclear fragmentation at intermediate energies. <i>Perspectives in Science</i> , 2019, 12, 100415.	0.6	6
31	Ion charge separation with new generation of nuclear emulsion films. <i>Open Physics</i> , 2019, 17, 233-240.	1.7	9
32	Review and performance of the Dose Profiler, a particle therapy treatments online monitor. <i>Physica Medica</i> , 2019, 65, 84-93.	0.7	19
33	EP-1884 Commissioning and clinical validation of FRED: Monte Carlo on GPU for proton beam therapy. <i>Radiotherapy and Oncology</i> , 2019, 133, S1023-S1024.	0.6	0
34	A 16 \AA — 8 Digital-SiPM Array With Distributed Trigger Generator for Low SNR Particle Tracking. , 2019, , .		0
35	Low statistics positron activity reconstruction methods for proton therapy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 936, 52-53.	1.6	7
36	Development and characterization of $\alpha^{12}\text{C}$ -E-TOF detector prototype for the FOOT experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2019, 916, 116-124.	1.6	8

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37	Secondary radiation measurements for particle therapy applications: charged particles produced by ^4He and ^{12}C ion beams in a PMMA target at large angle. <i>Physics in Medicine and Biology</i> , 2018, 63, 055018.	3.0	16
38	Preliminary test of the MONDO project secondary fast and ultrafast neutrons tracker response using protons and MIP particles. <i>Journal of Instrumentation</i> , 2018, 13, C04014-C04014.	1.2	3
39	Online proton therapy monitoring: clinical test of a Silicon-photodetector-based in-beam PET. <i>Scientific Reports</i> , 2018, 8, 4100.	3.3	103
40	In-room performance evaluation of a novel online charged secondary particles monitor of light ions PT treatments. , 2018, , .		0
41	Characterisation of the MONDO detector response to neutrons by means of a FLUKA Monte Carlo simulation. <i>Radiation Measurements</i> , 2018, 119, 144-149.	1.4	4
42	EP-1848: GPU-accelerated Monte Carlo TPS for treatment plan verification at CCB Krakow proton therapy centre. <i>Radiotherapy and Oncology</i> , 2018, 127, S997.	0.6	0
43	Monte Carlo simulation tool for online treatment monitoring in hadrontherapy with in-beam PET: A patient study. <i>Physica Medica</i> , 2018, 51, 71-80.	0.7	27
44	Scintillating Fiber Devices for Particle Therapy Applications. <i>IEEE Transactions on Nuclear Science</i> , 2018, 65, 2054-2060.	2.0	1
45	Carbon ions beam therapy monitoring with the INSIDE in-beam PET. <i>Physics in Medicine and Biology</i> , 2018, 63, 145018.	3.0	31
46	The MONDO project: A secondary neutron tracker detector for particle therapy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 845, 556-559.	1.6	10
47	Design of a tracking device for on-line dose monitoring in hadrontherapy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2017, 845, 679-683.	1.6	8
48	Design of a new tracking device for on-line beam range monitor in carbon therapy. <i>Physica Medica</i> , 2017, 34, 18-27.	0.7	25
49	Secondary radiation measurements for particle therapy applications: nuclear fragmentation produced by ^4He ion beams in a PMMA target. <i>Physics in Medicine and Biology</i> , 2017, 62, 1291-1309.	3.0	23
50	Secondary radiation measurements for particle therapy applications: prompt photons produced by ^4He , ^{12}C and ^{16}O ion beams in a PMMA target. <i>Physics in Medicine and Biology</i> , 2017, 62, 1438-1455.	3.0	30
51	Abstract ID: 51 Monte Carlo optimization of a neutron beam from 5 MeV $^9\text{Be}(p,n)^9\text{B}$ reaction for clinical BNCT. <i>Physica Medica</i> , 2017, 42, 10-11.	0.7	0
52	Abstract ID: 54 The application of the FLUKA Monte Carlo code in medical physics. <i>Physica Medica</i> , 2017, 42, 50.	0.7	0
53	Abstract ID: 172 Novel data relevant for helium ion therapy and their comparison with FLUKA nuclear reaction models. <i>Physica Medica</i> , 2017, 42, 36.	0.7	0
54	Abstract ID: 143 Monte Carlo simulation tool for online treatment monitoring in hadrontherapy with in-beam PET. <i>Physica Medica</i> , 2017, 42, 47-48.	0.7	0

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55	Abstract ID: 67 MC codes and range monitoring in particle therapy: The case of secondary charged particles. <i>Physica Medica</i> , 2017, 42, 49.	0.7	0
56	Abstract ID: 1 Elastic scattering in FLUKA code for MONDO experiment: characterization of the secondary fast and ultrafast neutrons emitted in particle therapy. <i>Physica Medica</i> , 2017, 42, 1.	0.7	0
57	Fred: a GPU-accelerated fast-Monte Carlo code for rapid treatment plan recalculation in ion beam therapy. <i>Physics in Medicine and Biology</i> , 2017, 62, 7482-7504.	3.0	53
58	Proton therapy treatment monitoring with the DoPET system: activity range, positron emitters evaluation and comparison with Monte Carlo predictions. <i>Journal of Instrumentation</i> , 2017, 12, C12026-C12026.	1.2	4
59	Addendum: Measurement of charged particle yields from PMMA irradiated by a 220 MeV/u ^{12}C beam. <i>Physics in Medicine and Biology</i> , 2017, 62, 8483-8494.	3.0	5
60	Measurement of secondary particle production induced by particle therapy ion beams impinging on a PMMA target. <i>EPJ Web of Conferences</i> , 2016, 117, 05007.	0.3	3
61	Nuclear physics and particle therapy. <i>EPJ Web of Conferences</i> , 2016, 117, 05001.	0.3	0
62	The FLUKA Code: An Accurate Simulation Tool for Particle Therapy. <i>Frontiers in Oncology</i> , 2016, 6, 116.	2.8	182
63	Monitoring of Hadrontherapy Treatments by Means of Charged Particle Detection. <i>Frontiers in Oncology</i> , 2016, 6, 177.	2.8	23
64	Nuclear physics and particle therapy. <i>Advances in Physics: X</i> , 2016, 1, 661-686.	4.1	4
65	INSIDE in-beam positron emission tomography system for particle range monitoring in hadrontherapy. <i>Journal of Medical Imaging</i> , 2016, 4, 011005.	1.5	49
66	FRED: a fast MC tool for treatment planning and dose verification in proton therapy. <i>Radiotherapy and Oncology</i> , 2016, 118, S82-S83.	0.6	0
67	DoPET: an in-treatment monitoring system for particle therapy. <i>Radiotherapy and Oncology</i> , 2016, 118, S92.	0.6	0
68	Realization of an innovative Dose Profiler for online range monitoring in particle therapy treatments. <i>Radiotherapy and Oncology</i> , 2016, 118, S103-S104.	0.6	0
69	Cost-benefit analysis of applied research infrastructure. Evidence from health care. <i>Technological Forecasting and Social Change</i> , 2016, 112, 79-91.	11.6	21
70	Study of the radiation produced by therapeutic He, C and O ion beams impinging on a PMMA target. <i>Radiotherapy and Oncology</i> , 2016, 118, S94.	0.6	0
71	Measurement of fragmentation cross sections of ^{12}C ions on a thin gold target with the FIRST apparatus. <i>Physical Review C</i> , 2016, 93, .	2.9	20
72	In-treatment tests for the monitoring of proton and carbon-ion therapy with a large area PET system at CNAO. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2016, 824, 228-232.	1.6	5

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73	A novel algorithm for the calculation of physical and biological irradiation quantities in scanned ion beam therapy: the beamlet superposition approach. <i>Physics in Medicine and Biology</i> , 2016, 61, 183-214.	3.0	23
74	SU-F-J-202: Secondary Radiation Measurements for Charged Particle Therapy Monitoring: Fragmentation of Therapeutic He, C and O Ion Beams Impinging On a PMMA Target. <i>Medical Physics</i> , 2016, 43, 3454-3455.	3.0	0
75	SU-G-JeP1-13: Innovative Tracking Detector for Dose Monitoring in Hadron Therapy: Realization and Monte Carlo Simulations. <i>Medical Physics</i> , 2016, 43, 3651-3651.	3.0	0
76	Measurement of charged particle yields from therapeutic beams in view of the design of an innovative hadrontherapy dose monitor. <i>Journal of Instrumentation</i> , 2015, 10, C02032-C02032.	1.2	5
77	Status of the INFN-RDH project. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 796, 96-98.	1.6	0
78	Prompt- ^{13}C production of 220 MeV/u ^{12}C ions interacting with a PMMA target. <i>Journal of Instrumentation</i> , 2015, 10, P10034-P10034.	1.2	14
79	Overview of the FLUKA code. <i>Annals of Nuclear Energy</i> , 2015, 82, 10-18.	1.8	540
80	First tests for an online treatment monitoring system with in-beam PET for proton therapy. <i>Journal of Instrumentation</i> , 2015, 10, C01010-C01010.	1.2	5
81	A Study of Monitoring Performances with the INSIDE System. <i>Acta Physica Polonica A</i> , 2015, 127, 1468-1470.	0.5	11
82	The INSIDE Project: Innovative Solutions for In-Beam Dosimetry in Hadrontherapy. <i>Acta Physica Polonica A</i> , 2015, 127, 1465-1467.	0.5	26
83	Online monitoring for proton therapy: A real-time procedure using a planar PET system. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 786, 120-126.	1.6	22
84	SU-E-EaC-770: Tumor Control in Ion Beam Radiotherapy with Different Ions in Presence of Hypoxia. <i>Medical Physics</i> , 2015, 42, 3514-3514.	3.0	0
85	SU-E-EaC-141: Activity Equivalent Path Length Approach for the 3D PET Based Dose Reconstruction in Proton Therapy. <i>Medical Physics</i> , 2015, 42, 3297-3297.	3.0	0
86	Proton range monitoring with in-beam PET: Monte Carlo activity predictions and comparison with cyclotron data. <i>Physica Medica</i> , 2014, 30, 559-569.	0.7	39
87	Performance of the reconstruction algorithms of the FIRST experiment pixel sensors vertex detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 767, 34-40.	1.6	13
88	Properties of para-Terphenyl as a Detector for α and β Radiation. <i>IEEE Transactions on Nuclear Science</i> , 2014, 61, 1483-1487.	2.0	35
89	An in-beam PET system for monitoring ion-beam therapy: test on phantoms using clinical 62 MeV protons. <i>Journal of Instrumentation</i> , 2014, 9, C04005-C04005.	1.2	27
90	127: Development of a technique to speed up the simulation of PET and SPECT. <i>Radiotherapy and Oncology</i> , 2014, 110, S62.	0.6	0

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91	174: The recent developments of the FLUKA Monte Carlo code oriented to its applications in hadrontherapy. Radiotherapy and Oncology, 2014, 110, S85.	0.6	0
92	17: MCTP: a new Monte Carlo-based treatment planning tool for hadrontherapy. Radiotherapy and Oncology, 2014, 110, S9.	0.6	0
93	44: Simulation of Hadrontherapy In-beam monitoring at CNAO with the INSIDE detector. Radiotherapy and Oncology, 2014, 110, S22-S23.	0.6	0
94	16: Measurement of charged particle yields emitted during irradiation with therapeutic proton and Carbon beams in view of the design of a new tool for the monitoring of hadrontherapy treatments. Radiotherapy and Oncology, 2014, 110, S8.	0.6	0
95	Overview of the FLUKA code. , 2014, , .		5
96	Use of the FLUKA Monte Carlo code for 3D patient-specific dosimetry on PET-CT and SPECT-CT images. Physics in Medicine and Biology, 2013, 58, 8099-8120.	3.0	32
97			

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109	Search for the Higgs Boson in the $W^+W^+ \rightarrow Z^+Z^+ \rightarrow \mu^+\mu^+ \nu\bar{\nu}$ Decay Channel in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 111802. Measurement of the $W^+W^+ \rightarrow Z^+Z^+ \rightarrow \mu^+\mu^+ \nu\bar{\nu}$ production in jets from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 041804.	7.8	35
110	Measurement of the $W^+W^+ \rightarrow Z^+Z^+ \rightarrow \mu^+\mu^+ \nu\bar{\nu}$ production in jets from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 041804.	4.7	23
111	Charged and Neutral Particle Production from 80 MeV/u ^{12}C ion beam on a PMMA target. , 2012, , .		0
112	The KENTROS detector for identification and kinetic energy measurements of nuclear fragments at polar angles between 5 and 90 degrees. , 2012, , .		0
113	Production Cross Section and Limits on Anomalous Neutral Triple Gauge Couplings in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 041804.	7.8	33
114	Carbon fragmentation measurements and validation of the Geant4 nuclear reaction models for hadrontherapy. Physics in Medicine and Biology, 2012, 57, 7651-7671. Measurement of the isolated diphoton cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 041804.	3.0	53
115	Measurement of the $W^+W^+ \rightarrow Z^+Z^+ \rightarrow \mu^+\mu^+ \nu\bar{\nu}$ production in jets from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 041804.	4.7	41
116	Measurement of the $W^+W^+ \rightarrow Z^+Z^+ \rightarrow \mu^+\mu^+ \nu\bar{\nu}$ production in jets from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 041804.	4.7	24
117	Measurement of the $W^+W^+ \rightarrow Z^+Z^+ \rightarrow \mu^+\mu^+ \nu\bar{\nu}$ production in jets from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 041804.	4.7	31
118	Measurement of the $W^+W^+ \rightarrow Z^+Z^+ \rightarrow \mu^+\mu^+ \nu\bar{\nu}$ production in jets from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 041804.	4.7	58
119	Measurement of the $W^+W^+ \rightarrow Z^+Z^+ \rightarrow \mu^+\mu^+ \nu\bar{\nu}$ production in jets from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 041804.	4.7	37
120	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in pp collisions using $\sqrt{s} = 7$ TeV ATLAS data. Physical Review D, 2012, 85, .	4.7	57
121	Performance of upstream interaction region detectors for the FIRST experiment at GSI. Journal of Instrumentation, 2012, 7, P02006-P02006.	1.2	14
122	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 7$ TeV with ATLAS. European Physical Journal C, 2012, 72, 1.	3.9	230
123	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	3.9	259
124	The FIRST experiment at GSI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 678, 130-138.	1.6	30
125	Measurement of the $W^+W^+ \rightarrow Z^+Z^+ \rightarrow \mu^+\mu^+ \nu\bar{\nu}$ production in jets from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 041804.	4.1	16
126	Measurement of the $W^+W^+ \rightarrow Z^+Z^+ \rightarrow \mu^+\mu^+ \nu\bar{\nu}$ production in jets from pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary	4.1	20

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127	Measurement of the cross-section for b-jets produced in association with a Z boson at $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 418-423.	4.1	231
128	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. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 413-417.	4.1	8
129	Measurement of the top quark pair production 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, 2012, 707, 407-412.	4.1	58
130	Measurement of the pseudorapidity and transverse momentum dependence of the elliptic flow of charged particles in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 322-340.	4.1	17
131	Search for new physics in the dijet mass distribution using a 1 fb of pp collision data at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 322-340.	4.1	69
132	A measurement of the ratio of the W and Z cross sections with exactly one associated jet in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 322-340.	4.1	15
133	Search for strong gravity signatures in same-sign dimuon final states using the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 322-340.	3.9	13
134	Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 711, 244-263.	3.9	17
135	Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	7.8	24
136	Search for lepton flavour violation in the $e\tau$ continuum with the ATLAS detector in $\sqrt{s} = 7$ -TeV pp collisions at the LHC. European Physical Journal C, 2012, 72, 2040.	4.7	121
137	Search for pair production of first or second generation leptoquarks in proton-proton collisions at the ATLAS detector at the LHC. Physical Review D, 2011, 83.	4.7	23
138	Measurement of the inclusive isolated prompt-photon cross section in $\sqrt{s} = 7$ TeV pp collisions at the ATLAS detector. Physical Review D, 2011, 83.	4.7	62
139	Measurement of the cross section for the production of a Z boson in association with a photon in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2011, 84, .	3.0	2
140	Calculation of electron and isotopes dose point kernels with FLUKA Monte Carlo code for dosimetry in nuclear medicine therapy. Medical Physics, 2011, 38, 3944-3954.	1.4	23
141	The FIRST experiment for nuclear fragmentation measurements at GSI. , 2011, , .		
142	Applications of FLUKA Monte Carlo code for nuclear and accelerator physics. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 2850-2856.		

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145	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in 1 fb^{-1} of pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 452-470.	4.1	45
146	Search for neutral MSSM Higgs bosons decaying to $\tau\tau$ pairs in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	4.1	45
147	Search for the Standard Model Higgs boson in the two photon decay channel with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 452-470.	4.1	22
148	Search for the Standard Model Higgs boson in the two photon decay channel with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 452-470.	4.1	23
149	Measurement of inclusive jet and dijet cross sections in $\sqrt{s} = 7 \text{ TeV}$ proton-proton collisions at the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	114
150	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2011, 71, 1.	3.9	146
151	Luminosity determination in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	179
152	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 the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	18
153	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7 \text{ TeV}$ proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	3.9	41
154	Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	40
155	Search for diphoton events with large missing transverse energy with 36 pb^{-1} of 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	15
156	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. European Physical Journal C, 2011, 71, 1.	3.9	60
157	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	56
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