

# Paulo Martins

## List of Publications by Year in descending order

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Version: 2024-02-01

89  
papers

6,768  
citations

71061

41  
h-index

60583

81  
g-index

91  
all docs

91  
docs citations

91  
times ranked

7185  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards real-time PGS range monitoring in proton therapy of prostate cancer. Scientific Reports, 2021, 11, 15331.	1.6	6
2	Dataset for predicting single-spot proton ranges in proton therapy of prostate cancer. Scientific Data, 2021, 8, 252.	2.4	0
3	PIBS: Proton and ion beam spectroscopy for in vivo measurements of oxygen, carbon, and calcium concentrations in the human body. Scientific Reports, 2020, 10, 7007.	1.6	14
4	A Single-Particle Trigger for Time-of-Flight Measurements in Prompt-Gamma Imaging. Frontiers in Physics, 2020, 8, .	1.0	6
5	Prompt gamma spectroscopy for absolute range verification of <sup>12</sup> C ions at synchrotron-based facilities. Physics in Medicine and Biology, 2020, 65, 095010.	1.6	8
6	Results from the experimental evaluation of CeBr scintillators for He prompt gamma spectroscopy. Medical Physics, 2019, 46, 3615-3626.	1.6	11
7	CeBr <sub>3</sub> scintillators for <sup>4</sup> He prompt gamma spectroscopy: Results from a Monte Carlo optimization study. Medical Physics, 2018, 45, 1622-1630.	1.6	6
8	Integration scenarios of virtual worlds in learning management systems using the MULTIS approach. Personal and Ubiquitous Computing, 2017, 21, 965-975.	1.9	3
9	Prompt gamma spectroscopy for range control with CeBr <sub>3</sub> . Current Directions in Biomedical Engineering, 2017, 3, 113-117.	0.2	8
10	The Laser calibration of the ATLAS Tile Calorimeter during the LHC run 1. Journal of Instrumentation, 2016, 11, T10005-T10005.	0.5	17
11	Exploring educational immersive videogames: an empirical study with a 3D multimodal interaction prototype. Behaviour and Information Technology, 2016, 35, 907-918.	2.5	34
12	Gradual Rewarming with Gradual Increase in Pressure during Machine Perfusion after Cold Static Preservation Reduces Kidney Ischemia Reperfusion Injury. PLoS ONE, 2015, 10, e0143859.	1.1	44
13	An ultra-high resolution preclinical positron emission tomography scanner. , 2015, , .		0
14	Software for enhancing accessibility and fighting info-exclusion. Universal Access in the Information Society, 2015, 14, 1-3.	2.1	0
15	Towards very high resolution RPC-PET for small animals. Journal of Instrumentation, 2014, 9, C10012-C10012.	0.5	15
16	VIC – An Interactive Video System for Dynamic Visualization in Web and Mobile Platforms. Lecture Notes in Computer Science, 2014, , 38-49.	1.0	0
17	Resistive plate chambers in positron emission tomography. European Physical Journal Plus, 2013, 128, 1.	1.2	8
18	Dose-Free Monitoring of Radiotherapy Treatments With Scattered Photons: First Experimental Results at a 6-MV Linac. IEEE Transactions on Nuclear Science, 2013, 60, 3110-3118.	1.2	11

#	ARTICLE	IF	CITATIONS
19	Achieving 0.4-mm FWHM spatial resolution with an RPC-based small-animal PET prototype. , 2013, , .		1
20	Experimental sub-millimeter resolution with a small-animal RPC-PET prototype. , 2012, , .		1
21	On lesion detectability by means of 300ps-FWHM TOF whole-body RPC-PET: An experiment-based simulation study. , 2012, , .		1
22	TOFtracker: gaseous detector with bidimensional tracking and time-of-flight capabilities. Journal of Instrumentation, 2012, 7, P11012-P11012.	0.5	23
23	Measurement of the isolated diphoton 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, 718, 438-450.	1.6	41
24	Whole-Body Single-Bed Time-of-Flight RPC-PET: Simulation of Axial and Planar Sensitivities With NEMA and Anthropomorphic Phantoms. IEEE Transactions on Nuclear Science, 2012, 59, 520-529.	1.2	24
25	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	1.4	248
26	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 7$ TeV with ATLAS. European Physical Journal C, 2012, 72, 1.	1.4	230
27	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	1.4	259
28	Measurements of the electron and muon inclusive cross-sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 438-450.	1.5	231
29	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 with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 363-382.	1.5	109
30	Search for lepton flavour violation in the $e\mu$ continuum with the ATLAS detector in $\sqrt{s} = 7$ TeV $pp$ collisions at the LHC. European Physical Journal C, 2012, 72, 2040.	1.4	13
31	Search for contact interactions in dimuon 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, 710, 363-382.	1.6	6
32	Search for pair production of first or second generation leptokuarks in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC. Physical Review D, 2011, 83, .	1.6	17
33	Measurement of the isolated diphoton 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, 718, 438-450.	1.6	55
34	Search for pair production of first or second generation leptokuarks in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC. Physical Review D, 2011, 83, .	2.9	24
35	Search for contact interactions in dimuon 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, 710, 363-382.		
36	Search for pair production of first or second generation leptokuarks in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC. Physical Review D, 2011, 83, .		

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37	Measurement of the inclusive isolated prompt photon cross section in $\sqrt{s}=7$ TeV proton-proton collisions at the ATLAS detector. Physical Review D, 2011, 84, .	1.6	121
38	Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2011, 84, .	1.6	29
39	Measurement of the inclusive isolated prompt photon cross section with the ATLAS detector. Physical Review D, 2011, 84, .	1.6	29
40	Measurement of underlying event characteristics using charged particles in $\sqrt{s}=7$ TeV proton-proton collisions at the ATLAS detector. Physical Review D, 2011, 84, .	1.6	70
41	Search for heavy long-lived charged particles with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2011, 84, .	0.9	163
42	Search for neutral MSSM Higgs bosons decaying to $b\bar{b}$ pairs in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2011, 84, .	1.5	41
43	Search for neutral MSSM Higgs bosons decaying to $b\bar{b}$ pairs in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2011, 84, .	1.5	21
44	Measurement of the inclusive isolated prompt photon cross-section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2011, 84, .	1.5	45
45	Measurement of the inclusive isolated prompt photon cross-section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2011, 84, .	1.5	57
46	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2011, 71, 1.	1.5	49
47	Measurement of inclusive jet and dijet cross sections in $\sqrt{s}=7$ TeV proton-proton collisions at the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	114
48	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2011, 71, 1.	1.4	146
49	Studies of the performance of the ATLAS detector using cosmic-ray muons. European Physical Journal C, 2011, 71, 1.	1.4	17
50	Luminosity determination in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	1.4	179
51	Measurements of underlying-event properties using neutral and charged particles in pp collisions at $\sqrt{s}=900$ GeV and $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	1.4	31
52	Search for an excess of events with an identical flavour lepton pair and significant missing transverse momentum in $\sqrt{s}=7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	18
53	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s}=7$ TeV proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	1.4	41
54	Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	40

#	ARTICLE	IF	CITATIONS
55	Search for diphoton events with large missing transverse energy with 36 pb <sup>-1</sup> of 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	15
56	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.	1.4	60
57	Measurement of dijet production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	46
58	Measurement of $W^{\pm}Z$ and $Z^{\pm}Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	11
59	Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	33
60	Search for quark contact interactions in dijet angular distributions in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 327-345.	1.5	107
61	Measurement of the production cross section for W-bosons in association with jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 325-345.	1.5	28
62	Search for massive long-lived highly ionising particles with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 353-370.	1.5	32
63	Search for high mass dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	1.5	52
64	Measurement of the W charge asymmetry in the $W \rightarrow \tau \nu$ decay mode in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	1.5	38
65	Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	1.5	21
66	Search for squarks and gluinos using final states with jets 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, 2011, 701, 1-19.	1.5	126
67	Search for squarks and gluinos using final states with jets 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, 2011, 701, 1-19.	1.5	54
68	Search for new physics in dijet mass and angular distributions in $pp$ collisions at $\sqrt{s} = 7$ TeV measured with the ATLAS detector. New Journal of Physics, 2011, 13, 053044.	1.2	116
69	Charged-particle multiplicities in $pp$ interactions measured with the ATLAS detector at the LHC. New Journal of Physics, 2011, 13, 053033.	1.2	314
70	Measurement of the inelastic proton-proton cross-section at $\sqrt{s} = 7$ TeV with the ATLAS detector. Nature Communications, 2011, 2, 463.	5.8	160

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73	Search for a Heavy Particle Decaying into an Electron and a Muon with the ATLAS Detector in $\sqrt{s} < \text{msqrt} < \text{mi} > s < \text{mi} > < \text{msqrt} < \text{mo} > = < \text{mo} > < \text{mn} > 7 < \text{mn} > < \text{mtext} > \hat{a}\%$ </math> xmlns:mml="http://www.w3.org/1998/Math/MathML"	2.9	15
74	Search for Supersymmetry Using Final States with One Lepton, Jets, and Missing Transverse Momentum with the ATLAS Detector in $\sqrt{s} < \text{msqrt} < \text{mi} > s < \text{mi} > < \text{msqrt} < \text{mo} > = < \text{mo} > < \text{mn} > 7 < \text{mn} > < \text{mtext} > \hat{a}\%$ </math> xmlns:mml="http://www.w3.org/1998/Math/MathML"	2.9	136
75	$p < \text{mi} > p < \text{mi} > p < \text{mi} > p < \text{mi} >$ Collisions. Physical Review xmlns:mml="http://www.w3.org/1998/Math/MathML"	2.9	61
76	Search for Diphoton Events with Large Missing Transverse Energy in 7 TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2011, 106, 121803.	2.9	19
77	Dose-free monitoring of radiotherapy treatments with scattered photons: First experimental results at a 6-MV Linac. , 2011, , .		1
78	A direct time-of-flight reconstruction for whole-body single-bed RPC-PET: Results from lesion and anthropomorphic simulated data. , 2011, , .		5
79	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	1.4	61
80	The ATLAS Inner Detector commissioning and calibration. European Physical Journal C, 2010, 70, 787-821.	1.4	95
81	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. European Physical Journal C, 2010, 70, 755-785.	1.4	51
82	Commissioning of the ATLAS Muon Spectrometer with cosmic rays. European Physical Journal C, 2010, 70, 875-916.	1.4	23
83	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	1.4	1,187
84	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.	1.4	121
85	Performance of the ATLAS detector using first collision data. Journal of High Energy Physics, 2010, 2010, 1.	1.6	18
86	Measurement of the $W \rightarrow e, \mu$ and $Z \rightarrow e, \mu$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	1.6	64
87	Charged-particle multiplicities in pp interactions at $\sqrt{s} = 900$ GeV measured with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 688, 21-42.	1.6	13
88	Search for New Particles in Two-Jet Final States in 7 TeV Proton-Proton Collisions with the ATLAS Detector at the LHC. Physical Review Letters, 2010, 105, 161801.	2.9	113
89	Observation of a Centrality-Dependent Dijet Asymmetry in Lead-Lead Collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS Detector at the LHC. Physical Review Letters, 2010, 105, 252303.	2.9	581