

# Paulo Fonte

## List of Publications by Year in descending order

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238

papers

4,107

citations

117453

34

h-index

197535

49

g-index

257

all docs

257

docs citations

257

times ranked

3045

citing authors

#	ARTICLE	IF	CITATIONS
1	Searching a dark photon with HADES. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 265-271.	1.5	113
2	A new high-resolution TOF technology. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 443, 201-204.	0.7	105
3	Probing dense baryon-rich matter with virtual photons. Nature Physics, 2019, 15, 1040-1045.	6.5	86
4	Origin of the low-mass electron pair excess in light nucleus–nucleus collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 690, 118-122.	1.5	85
5	Study of dielectron production in $\sqrt{s_{NN}} = 1.76$ GeV Au+Au collisions at RHIC. Physical Review C, 2011, 84, 054907.	1.5	83
6	Applications and new developments in resistive plate chambers. IEEE Transactions on Nuclear Science, 2002, 49, 881-887.	1.2	79
7	Dielectron production in Ar + KCl collisions at 1.76 GeV. Physical Review C, 2011, 84, 054907.	1.1	78
8	Deep Subthreshold $\phi$ Production in $\sqrt{s_{NN}} = 1.76$ GeV Au+Au Collisions at RHIC. Physical Review C, 2013, 87, 054907.	2.9	74
9	$\phi$ decay: A relevant source for $\phi$ production in $\sqrt{s_{NN}} = 1.76$ GeV Au+Au collisions at RHIC. Physical Review C, 2009, 80, 054907.	1.1	70
10	Hyperon production in Ar + KCl collisions at 1.76A GeV. European Physical Journal A, 2011, 47, 1.	1.0	70
11	Baryonic resonances close to the $\phi$ threshold. The case of $\phi$ production in $\sqrt{s_{NN}} = 1.76$ GeV Au+Au collisions at RHIC. Physical Review C, 2013, 87, 054907.	1.1	70
12	Partial wave analysis of the reaction $p(3.5 \text{ GeV}) + p \rightarrow pK + \phi$ to search for the $\phi$ bound state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 242-248.	1.5	69
13	High-resolution RPCs for large TOF systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 449, 295-301.	0.7	60
14	Inclusive dielectron spectra in p+p collisions at 3.5 GeV kinetic beam energy. European Physical Journal A, 2012, 48, 1.	1.0	58
15	Feedback and breakdown in parallel-plate chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 305, 91-110.	0.7	57
16	Proton-number fluctuations in $\sqrt{s_{NN}} = 2.76$ GeV p+Pb collisions studied with the High-Acceptance DiElectron Spectrometer (HADES). Physical Review C, 2020, 102, 054907.	1.1	51
17	Perspectives for positron emission tomography with RPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 508, 88-93.	0.7	50
18	The HADES RPC inner TOF wall. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 687-690.	0.7	50

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19	Sensitivity of the SHiP experiment to Heavy Neutral Leptons. Journal of High Energy Physics, 2019, 2019, 1.	1.6	48
20	The study and optimization of new micropattern gaseous detectors for high-rate applications. IEEE Transactions on Nuclear Science, 2001, 48, 1070-1074.	1.2	47
21	The fundamental limitations of high-rate gaseous detectors. IEEE Transactions on Nuclear Science, 1999, 46, 321-325.	1.2	44
22	High-resolution TOF with RPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 477, 17-22.	0.7	43
23	RPC-PET: A New Very High Resolution PET Technology. IEEE Transactions on Nuclear Science, 2006, 53, 2489-2494.	1.2	43
24	Centrality determination of Au + Au collisions at 1.23A GeV with HADES. European Physical Journal A, 2018, 54, 1.	1.0	43
25	Directed, Elliptic, and Higher Order Flow Harmonics of Protons, Deuterons, and Tritons in Au+Au Collisions at 2.76 GeV. Physical Review Letters, 2020, 125, 262301.	2.9	43
26	First measurement of proton-induced low-momentum dielectron radiation off cold nuclear matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 715, 304-309.	1.5	42
27	Feedback and breakdowns in microstrip gas counters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 397, 243-260.	0.7	40
28	A large area timing RPC prototype for ion collisions in the HADES spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 535, 277-282.	0.7	40
29	The effect of temperature on the rate capability of glass timing RPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 555, 72-79.	0.7	40
30	Breakdown limit studies in high-rate gaseous detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 422, 300-304.	0.7	39
31	Efficiency of RPC detectors for whole-body human TOF-PET. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 780-783.	0.7	39
32	Baryonic resonances close to the $\Lambda^0$ threshold: The case of $\Xi(1385)^0$ in pp collisions. Physical Review C, 2012, 85, .	1.1	37
33	Statistical hadronization model analysis of hadron yields in p + Nb and Ar + KCl at SIS18 energies. European Physical Journal A, 2016, 52, 1.	1.0	37
34	Surface streamer breakdown mechanisms in microstrip gas counters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 392, 89-93.	0.7	36
35	In-medium effects on K <sup>+</sup> production in relativistic heavy-ion collisions. Physical Review C, 2010, 82, 054904.	1.1	36
36	final state: Towards the extraction of the final state. Nuclear Physics A, 2013, 914, 60-68.	0.6	36

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37	High-resolution timing of MIPs with RPCs â€” a model. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 456, 6-10.	0.7	34
38	A spark-protected high-rate detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 431, 154-159.	0.7	33
39	Deep sub-threshold $\pi^0$ production in Au+Au collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 403-407.	1.5	32
40	A Novel UV Photon Detector with Resistive Electrodes. Nuclear Physics, Section B, Proceedings Supplements, 2006, 158, 199-203.	0.5	31
41	Lambda hyperon production and polarization in collisions of p(3.5 GeV)+Nb. European Physical Journal A, 2014, 50, 1.	1.0	31
42	A model of breakdown in parallel-plate detectors. IEEE Transactions on Nuclear Science, 1996, 43, 2135-2140.	1.2	29
43	Baryon resonance production and dielectron decays in proton-proton collisions at 3.5 GeV. European Physical Journal A, 2014, 50, 1.	1.0	29
44	Potential of RPCs for tracking. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 508, 83-87.	0.7	28
45	RPCâ€™PET: Status and perspectives. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 915-918.	0.7	28
46	Measurement of charged pions in 12C + 12C collisions at 1 A GeV and 2 A GeV with HADES. European Physical Journal A, 2009, 40, 45-59.	1.0	28
47	Subthreshold $\pi^0$ production in collisions of p(3.5 GeV)+Nb. European Physical Journal A, 2014, 50, 1.		

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55	The experimental facility for the Search for Hidden Particles at the CERN SPS. Journal of Instrumentation, 2019, 14, P03025-P03025.	0.5	26
56	Fast simulation of muons produced at the SHiP experiment using Generative Adversarial Networks. Journal of Instrumentation, 2019, 14, P11028-P11028.	0.5	26
57	Investigation of operation of a parallel-plate avalanche chamber with a CsI photocathode under high gain conditions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 307, 63-68.	0.7	25
58	Sensitivity assessment of wide Axial Field of View PET systems via Monte Carlo simulations of NEMA-like measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 485-488.	0.7	25
59	Interaction studied via femtoscopy in $\text{Nb} + \text{Pb}$ reactions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 90, .	1.1	25
60	A study of breakdown limits in microstrip gas counters with preamplification structures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 416, 23-31.	0.7	24
61	A four-gap glass-RPC time-of-flight array with 90 ps time resolution. IEEE Transactions on Nuclear Science, 2001, 48, 1658-1663.	1.2	24
62	A new front-end electronics chain for timing RPCs. IEEE Transactions on Nuclear Science, 2001, 48, 1249-1253.	1.2	24
63	A large area timing RPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 485, 328-342.	0.7	24
64	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
65	Medium effects in proton-induced $\text{K}^0$ production at 3.5 GeV. Physical Review C, 2014, 90, .	1.9	23
66	In-beam measurements of the HADES-TOF RPC wall. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 691-695.	0.7	23
67	TOFtracker: gaseous detector with bidimensional tracking and time-of-flight capabilities. Journal of Instrumentation, 2012, 7, P11012-P11012.	0.5	23
68	Sub-threshold production of $\text{K}^0$ mesons and $\Lambda$ hyperons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 90, .	1.9	23
69	A novel portal imaging device for advanced radiation therapy. IEEE Transactions on Nuclear Science, 2001, 48, 1496-1502.	1.2	22
70	An analytical description of rate effects in timing RPCs. Nuclear Physics, Section B, Proceedings Supplements, 2006, 158, 111-117.	0.5	22
71	Strong Absorption of Hadrons with Hidden and Open Strangeness in Nuclear Matter. Physical Review Letters, 2019, 123, 022002.	2.9	22
72	Single-gap timing RPCs with bidimensional position-sensitive readout for very accurate TOF systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 508, 70-74.	0.7	20

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73	Analysis of pion production data measured by HADES in proton-proton collisions at 1.25 GeV. European Physical Journal A, 2015, 51, 1.	1.0	20
74	The active muon shield in the SHiP experiment. Journal of Instrumentation, 2017, 12, P05011-P05011.	0.5	20
75	Resistive plate chambers with secondary electron emitters and microstrip readout. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 392, 150-154.	0.7	19
76	Micro-gap parallel-plate chambers with porous secondary electron emitters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 454, 260-266.	0.7	19
77	$\rho \rightarrow \pi^0 \pi^0$ Dalitz decay in proton-proton collisions at $\sqrt{s} = 1.25$ GeV measured with HADES at COSY. Physical Review C, 2017, 95, .	1.1	19
78	Novel gaseous detectors for medical imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 406-410.	0.7	18
79	Systematic study of gas mixtures for timing RPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 661, S194-S197.	0.7	18
80	A facility for pion-induced nuclear reaction studies with HADES. European Physical Journal A, 2017, 53, 1.	1.0	18
81	Design and expected performance of a novel hybrid detector for very-high-energy gamma-ray astrophysics. Astroparticle Physics, 2018, 99, 34-42.	1.9	18
82	Sporadic electron jets from cathodes the main breakdown-triggering mechanism in gaseous detectors. IEEE Transactions on Nuclear Science, 2002, 49, 1622-1628.	1.2	17
83	High-rate, high-position resolution microgap RPCs for X-ray imaging applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 505, 203-206.	0.7	17
84	Resistive plate chambers for time-of-flight measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 513, 8-12.	0.7	17
85	A dedicated setup for the measurement of the electron transport parameters in gases at large electric fields. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 613, 40-45.	0.7	16
86	Survey of physical modelling in Resistive Plate Chambers. Journal of Instrumentation, 2013, 8, P11001-P11001.	0.5	16
87	Associated $K^0$ production in $p$ - $p$ collisions at 3.5 GeV: The role of $\rho(1232)^{++}$ . Physical Review C, 2014, 90, .	1.1	16
88	The high-rate behavior of parallel mesh chambers. IEEE Transactions on Nuclear Science, 1998, 45, 258-262.	1.2	15
89	Exactly solvable model for the time response function of RPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 533, 16-21.	0.7	15
90	Ceramic high-rate timing RPCs. Nuclear Physics, Section B, Proceedings Supplements, 2006, 158, 66-70.	0.5	15

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91	Towards very high resolution RPC-PET for small animals. Journal of Instrumentation, 2014, 9, C10012-C10012.	0.5	15
92	Progress in timing Resistive Plate Chambers. , 2004, 535, 272-272.		15
93	Charged-pion production in $\text{Au+Au}$ collisions at $\sqrt{s_{\text{NN}}} = 2.4\text{--}4\text{ GeV}$ . European Physical Journal A, 2020, 56, 1.	1.0	15
94	Operating range of a gas electron multiplier for portal imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 471, 151-155.	0.7	14
95	The first applications of newly developed gaseous detectors with resistive electrodes for UV imaging in daylight conditions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 1036-1041.	0.7	14
96	Spatial resolution of human RPC-PET system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 661, S156-S158.	0.7	14
97	Production of $\Lambda$ in reactions at 3.5 GeV beam energy. Nuclear Physics A, 2012, 881, 178-186.	0.6	14
98	Inclusive pion and $\Lambda$ production in $\text{p+Nb}$ collisions at 3.5 GeV beam energy. Physical Review C, 2013, 88, .	1.1	14
99	Beam test of an imaging high-density projection chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 283, 658-664.	0.7	13
100	Results concerning understanding and applications of timing GRPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 508, 63-69.	0.7	13
101	Development of a new generation of micropattern gaseous detectors for high energy physics, astrophysics and environmental applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 255-259.	0.7	13
102	Deep sub-threshold $K^*(892)0$ production in collisions of Ar + KCl at 1.76 A GeV. European Physical Journal A, 2013, 49, 1.	1.0	13
103	Development of high-rate timing RPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 533, 69-73.	0.7	12
104	On the physics and technology of gaseous particle detectors. Plasma Sources Science and Technology, 2010, 19, 034021.	1.3	12
105	Resistive Plate Chambers for the Pierre Auger array upgrade. Journal of Instrumentation, 2014, 9, C10023-C10023.	0.5	12
106	Collective flow and correlations measurements with HADES in Au+Au collisions at 1.23 AGeV. Nuclear Physics A, 2019, 982, 431-434.	0.6	12
107	Production and electromagnetic decay of hyperons: a feasibility study with HADES as a phase-0 experiment at FAIR. European Physical Journal A, 2021, 57, 1.	1.0	12
108	Performance of shielded timing RPCs in a $^{12}\text{C}$ fragmentation experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 533, 79-85.	0.7	11



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109	Novel single photon detectors for UV imaging. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 553, 30-34.	0.7	11
110	Experimental investigations on the first Townsend coefficient in pure isobutane. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 670, 55-60.	0.7	11
111	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
112	Analysis of the exclusive final state $npe+e^-$ in the quasi-free np reaction. European Physical Journal A, 2017, 53, 1.	1.0	11
113	Identical pion intensity interferometry in central Au + Au collisions at 1.23A GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 446-451.	1.5	11
114	Single-electron pulse-height spectra in thin-gap parallel-plate chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 433, 513-517.	0.7	10
115	Development of large area and of position-sensitive timing RPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 478, 170-175.	0.7	10
116	The development and study of high-position resolution ( $50\hat{1}4m$ ) RPCs for imaging X-rays and UV photons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 513, 244-249.	0.7	10
117	High rate (up to 105Hz/cm2), high position resolution ( $30\hat{1}4m$ ) photosensitive RPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 553, 30-34. $\sqrt{p^2 + m^2}$	0.7	10
118	in collisions of $Ar^{56+}$ and $Ar^{36+}$ ions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 553, 30-34. $\sqrt{p^2 + m^2}$	1.1	10
119	Time-Like Baryon Transitions studies with HADES. EPJ Web of Conferences, 2019, 199, 01008.	0.1	10
120	Two-pion production in the second resonance region in $pp \rightarrow \pi^+ \pi^-$ collisions with the High-Acceptance Di-Electron Spectrometer (HADES). Physical Review C, 2020, 102, .	1.1	10
121	Identical pion intensity interferometry at $\sqrt{s_{NN}}=2.4\text{--}4\text{ GeV}$ . European Physical Journal A, 2020, 56, 1.	1.0	10
122	Sensitivity of the SHiP experiment to light dark matter. Journal of High Energy Physics, 2021, 2021, 1.	1.6	10
123	Sensitivity of the SHiP experiment to dark photons decaying to a pair of charged particles. European Physical Journal C, 2021, 81, 1.	1.4	10
124	Novel detector for portal imaging in radiation therapy. , 2000, , .		9
125	On the deterministic and stochastic solutions of Space Charge models and their impact on high resolution timing. Nuclear Physics, Section B, Proceedings Supplements, 2006, 158, 118-122.	0.5	9
126	Performances of 4-gap timing RPCs for relativistic ions in the range $1\leq Z\leq 6$ . Journal of Instrumentation, 2009, 4, P11007-P11007.	0.5	9



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127	Progress in developing hybrid RPC: GEM-like detectors with resistive electrodes, Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 850-853.	0.7	9
128	pp and $\bar{p}\bar{p}$ intensity interferometry in collisions of Ar+KCl at 1.76A GeV. European Physical Journal A, 2011, 47, 1.	1.0	9
129	Study of standalone RPC detectors for cosmic ray experiments in outdoor environment. Journal of Instrumentation, 2013, 8, T03004-T03004.	0.5	9
130	Performance of timing resistive plate chambers with relativistic neutrons from 300 to 1500 MeV. Journal of Instrumentation, 2015, 10, C02034-C02034.	0.5	9
131	Outdoor field experience with autonomous RPC based stations. Journal of Instrumentation, 2016, 11, C09011-C09011.	0.5	9
132	$\bar{p}p$ production in proton nucleus collisions near threshold. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 735-740.	1.5	9
133	MARTA: a high-energy cosmic-ray detector concept for high-accuracy muon measurement. European Physical Journal C, 2018, 78, 1.	1.4	9
134	Boron-10 lined RPCs for sub-millimeter resolution thermal neutron detectors: Feasibility study in a thermal neutron beam. Journal of Instrumentation, 2019, 14, P01017-P01017.	0.5	9
135	Resistive plate chambers in positron emission tomography. European Physical Journal Plus, 2013, 128, 1.	1.2	8
136	Performance of timing Resistive Plate Chambers with protons from 200 to 800 MeV. Journal of Instrumentation, 2015, 10, C01043-C01043.	0.5	8
137	Inclusive $\pi^0$ production in proton-proton collisions at 3.5 GeV. Physical Review C, 2017, 95, .	1.1	8
138	Towards sealed Resistive Plate Chambers. Journal of Instrumentation, 2020, 15, C11009-C11009.	0.5	8
139	The SHiP experiment at the proposed CERN SPS Beam Dump Facility. European Physical Journal C, 2022, 82, .	1.4	8
140	A long-run study of aging in glass timing RPCs with analysis of the deposited material. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 775-779.	0.7	7
141	The HADES-at-FAIR project. Physics of Atomic Nuclei, 2012, 75, 589-593.	0.1	7
142	Determination of the $\Lambda(1385)^0/\Lambda(1405)$ ratio in p+p collisions at 3.5 GeV. Hyperfine Interactions, 2012, 210, 45-51.	0.2	7
143	Performance of the HADES-TOF RPC wall in a Au + Au beam at 1.25 AGeV. Journal of Instrumentation, 2013, 8, P01004-P01004.	0.5	7
144	Advanced Gaseous Photodetectors for Hyperspectroscopy and Other Applications. , 0, , .		6

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145	Dilepton production in pp and CC collisions with HADES. European Physical Journal A, 2007, 31, 831-835.	1.0	6
146	Accurate timing of gamma rays with high-rate Resistive Plate Chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 573, 4-7.	0.7	6
147	RPC HADES-TOF wall cosmic ray test performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 661, S114-S117.	0.7	6
148	Dose-Free Monitoring of Radiotherapy Treatments With Scattered Photons: Concept and Simulation Study. IEEE Transactions on Nuclear Science, 2013, 60, 3119-3126.	1.2	6
149	TRAGALDABAS: a new RPC based detector for the regular study of cosmic rays. Journal of Instrumentation, 2014, 9, C09027-C09027.	0.5	6
150	Time of flight measurement in heavy-ion collisions with the HADES RPC TOF wall. Journal of Instrumentation, 2014, 9, C11015-C11015.	0.5	6
151	Long term experience in Autonomous Stations and production quality control. Journal of Instrumentation, 2019, 14, C07002-C07002.	0.5	6
152	The magnet of the scattering and neutrino detector for the SHiP experiment at CERN. Journal of Instrumentation, 2020, 15, P01027-P01027.	0.5	6
153	EM Reconstruction Algorithm with Resolution Modeling applied to an RPC-PET prototype. , 0, , .		5
154	Progress in timing Resistive Plate Chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 535, 272-276.	0.7	5
155	Very high position resolution gamma imaging with resistive plate chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 567, 96-99.	0.7	5
156	MESON AND DI-ELECTRON PRODUCTION WITH HADES. International Journal of Modern Physics A, 2009, 24, 317-326.	0.5	5
157	A direct time-of-flight reconstruction for whole-body single-bed RPC-PET: Results from lesion and anthropomorphic simulated data. , 2011, , .		5
158	Frequency-domain formulation of signal propagation in multistrip Resistive Plate Chambers and its low-loss, weak-coupling analytical approximation. Journal of Instrumentation, 2013, 8, P08007-P08007.	0.5	5
159	Hades experiments: investigation of hadron in-medium properties. Journal of Physics: Conference Series, 2013, 420, 012013.	0.3	5
160	Scatter Fraction, Count Rates, and Noise Equivalent Count Rate of a Single-Bed Position RPC TOF-PET System Assessed by Simulations Following the NEMA NU2-2001 Standards. IEEE Transactions on Nuclear Science, 2014, 61, 1153-1163.	1.2	5
161	$\gamma$ production in proton-proton collisions at $\sqrt{s}=2.76$ TeV. Physical Review C, 2015, 92, .	1.1	5
162	Multi-differential pattern of low-mass $e^+e^-$ excess from $\sqrt{s_{NN}}=2.4$ GeV Au+Au collisions with HADES. Nuclear Physics A, 2019, 982, 771-774.	0.6	5

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163	Multilayer $^{10}\text{B}$ -RPC neutron imaging detector. Journal of Instrumentation, 2020, 15, P06007-P06007.	0.5	5
164	Development and applications of the imaging chamber. IEEE Transactions on Nuclear Science, 1989, 36, 300-304.	1.2	4
165	A very high light-yield imaging chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 300, 286-292.	0.7	4
166	A simple readout method for MWPCs with high-rate and sub-millimetre resolution. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 348, 338-343.	0.7	4
167	A study of ageing in timing RPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 533, 121-125.	0.7	4
168	Spatial resolution on a small animal RPC-PET prototype operating under magnetic field. Nuclear Physics, Section B, Proceedings Supplements, 2006, 158, 157-160.	0.5	4
169	Analysis of the space-time microstructure of cosmic ray air showers using the HADES RPC TOF wall. Journal of Instrumentation, 2012, 7, P10007-P10007.	0.5	4
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