

Pedro Vaz

List of Publications by Year in descending order

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371
papers

6,518
citations

76326

40
h-index

114465

63
g-index

390
all docs

390
docs citations

390
times ranked

4822
citing authors

#	ARTICLE	IF	CITATIONS
1	The DELPHI detector at LEP. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 303, 233-276.	1.6	398
2	Performance of the neutron time-of-flight facility n_TOF at CERN. European Physical Journal A, 2013, 49, 1.	2.5	205
3	Measurement of the mass and width of the Z0-particle from multihadronic final states produced in e+e- annihilations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 231, 539-547.	4.1	200
4	Electroweak parameters of the Z0 resonance and the standard model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 276, 247-253.	4.1	162
5	New experimental validation of the pulse height weighting technique for capture cross-section measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 521, 454-467.	1.6	101
6	$\frac{d\sigma}{d\Omega}(\theta) = \frac{1}{4\pi} \left[\sigma_{tot} - \frac{1}{2} \sigma_{pol} \cos^2 \theta \right]$	7.8	94
7	Study of hadronic decays of the Z0 boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 240, 271-282.	4.1	90
8	The data acquisition system of the neutron time-of-flight facility n_TOF at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 538, 692-702.	1.6	84
9	The new vertical neutron beam line at the CERN n_TOF facility design and outlook on the performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 799, 90-98.	1.6	82
10	The n_TOF Total Absorption Calorimeter for neutron capture measurements at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, 424-433.	1.6	80
11	$\frac{d\sigma}{d\Omega}(\theta) = \frac{1}{4\pi} \left[\sigma_{tot} - \frac{1}{2} \sigma_{pol} \cos^2 \theta \right]$	2.9	72
12	A study of intermittency in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 137-147.	4.1	71
13	High-accuracy determination of the neutron flux at n_TOF. European Physical Journal A, 2013, 49, 1.	2.5	71
14	Bose-Einstein correlations in the hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 286, 201-210.	4.1	69
15	$\frac{d\sigma}{d\Omega}(\theta) = \frac{1}{4\pi} \left[\sigma_{tot} - \frac{1}{2} \sigma_{pol} \cos^2 \theta \right]$	2.9	68
16	Determination of Z0 resonance parameters and couplings from its hadronic and leptonic decays. Nuclear Physics B, 1991, 367, 511-574.	2.5	65
17	Neutron Capture Cross Section Measurement of Sm151 at the CERN Neutron Time of Flight Facility (n_TOF). Physical Review Letters, 2004, 93, 161103.	7.8	65
18	Improved measurements of cross sections and asymmetries at the Z0 resonance. Nuclear Physics B, 1994, 418, 403-427.	2.5	64

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19	A comparison of jet production rates on the Z0 resonance to perturbative QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 167-176.	4.1	63
20	A search for sleptons and gauginos in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 157-166.	4.1	61
21	$\sigma(\text{e}^+\text{e}^- \rightarrow \text{Z}^0 \rightarrow \text{b}\bar{\text{b}}) \approx 1.7 \text{ nb}$	7.8	58
22	Evaluation of Acridine Orange Derivatives as DNA-Targeted Radiopharmaceuticals for Auger Therapy: Influence of the Radionuclide and Distance to DNA. Scientific Reports, 2017, 7, 42544.	3.3	57
23	A precise measurement of the Z resonance parameters through its hadronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 241, 435-448.	4.1	56
24	$\sigma(\text{e}^+\text{e}^- \rightarrow \text{Z}^0 \rightarrow \text{b}\bar{\text{b}}) \approx 1.7 \text{ nb}$	7.8	55
25	Resonance neutron-capture cross sections of stable magnesium isotopes and their astrophysical implications. Physical Review C, 2012, 85, .	2.9	55
26	Measurement of the n_TOF beam profile with a micromegas detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 524, 102-114.	1.6	54
27	Realising the European Network of Biodosimetry (RENEB). Radiation Protection Dosimetry, 2012, 151, 621-625.	0.8	54
28	Charged particle multiplicity distributions in restricted rapidity intervals in Z0 hadronic decays. Zeitschrift für Physik C-Particles and Fields, 1991, 52, 271-281.	1.5	52
29	RENEB – Running the European Network of biological dosimetry and physical retrospective dosimetry. International Journal of Radiation Biology, 2017, 93, 2-14.	1.8	52
30	State-of-the-Art Mobile Radiation Detection Systems for Different Scenarios. Sensors, 2021, 21, 1051.	3.8	51
31	Search for light neutral Higgs particles produced in Z0-decays. Nuclear Physics B, 1990, 342, 1-14.	2.5	50
32	Search for pair production of neutral Higgs bosons in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 245, 276-288.	4.1	47
33	New measurement of neutron capture resonances in Bi209. Physical Review C, 2006, 74, .	2.9	46
34	Production of \hat{b} and \hat{b} correlations in the hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 318, 249-262.	4.1	45
35	$\sigma(\text{e}^+\text{e}^- \rightarrow \text{Z}^0 \rightarrow \text{b}\bar{\text{b}}) \approx 1.7 \text{ nb}$	2.9	44
36	Neutron Capture Cross Section of Unstable ^{63}Ni : Implications for Stellar Nucleosynthesis. Physical Review Letters, 2013, 110, 022501.	7.8	44

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37	Production of strange particles in the hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 275, 231-242.	4.1	43
38	Experimental study of the triple-gluon vertex. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 255, 466-476.	4.1	41
39	Determination of $\hat{\Gamma}_S$ from the scaling violation in the fragmentation functions in e^+e^- annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 311, 408-424.	4.1	41
40	Neutron capture cross section of Th232 measured at the n_TOF facility at CERN in the unresolved resonance region up to 1 MeV. Physical Review C, 2006, 73, .	2.9	41
41	Realising the European network of biodosimetry: RENEB--status quo. Radiation Protection Dosimetry, 2015, 164, 42-45.	0.8	41
42	High-accuracy determination of the neutron flux in the new experimental area n_TOF-EAR2 at CERN. European Physical Journal A, 2017, 53, 1.	2.5	41
43	Energy-energy correlations in hadronic final states from Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 252, 149-158.	4.1	40
44	The $\langle \sigma_{\text{had}} \rangle$ of the Z boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 252, 149-158.	2.9	39
45	Search for heavy charged scalars in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 241, 449-458.	4.1	38
46	A search for neutral Higgs particles in Z0 decays. Nuclear Physics B, 1992, 373, 3-34.	2.5	38
47	Evidence for B0 meson production in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 289, 199-210.	4.1	38
48	Classification of the hadronic decays of the Z0 into b and c quark pairs using a neural network. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 295, 383-395.	4.1	36
49	Measurement of the $\sigma_{\text{had}}(Z^0 \rightarrow \text{hadrons})$ cross section from 0.6 eV to 1 MeV via the neutron time-of-flight technique at the CERN n_TOF facility. Physical Review C, 2006, 73, .	2.9	36
50	Neutron physics of the Re/Os clock. III. Resonance analyses and stellar β -decay rates. Physical Review C, 2006, 73, .	2.9	36
51	cross sections of $\sigma_{\text{had}}(Z^0 \rightarrow \text{hadrons})$ and $\sigma_{\text{had}}(Z^0 \rightarrow \text{hadrons})$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 252, 149-158.	2.9	36
52	Status and outlook of the neutron time-of-flight facility n_TOF at CERN. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 925-929.	1.4	35
53	Measurement of the triple-gluon vertex from 4-jet events at LEP. Zeitschrift für Physik C-Particles and Fields, 1993, 59, 357-368.	1.5	34
54	Time-energy relation of the n_TOF neutron beam: energy standards revisited. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 532, 622-630.	1.6	34

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55	Experimental study of the Z^0 boson production and decay at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 268, 296-304.	2.9	34
56	Resonance capture cross section of ^{207}Pb . Physical Review C, 2006, 74, .	2.9	33
57	Measurement of the neutron capture cross section of the only isotope ^{204}Pb from 1 eV to 440 keV. Physical Review C, 2007, 75, .	2.9	32
60	Neutron spectroscopy of ^{26}Mg states: Constraining the stellar neutron source $^{22}\text{Ne}(\hat{n},n)^{25}\text{Mg}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 1-6.	4.1	32
61	GEANT4 simulation of the neutron background of the C6D6 set-up for capture studies at n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 760, 57-67.	1.6	31
62	Study of the leptonic decays of the Z^0 boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 241, 425-434.	4.1	30
64	Measurement of the $e^+e^- \rightarrow \hat{n}^* \hat{n}^* (\hat{n}^*)$ cross section at LEP energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 327, 386-396.	4.1	30
65	Measurement of the radiative neutron capture cross section of ^{206}Pb and its astrophysical implications. Physical Review C, 2007, 76, .	2.9	30
66	High-accuracy $^{233}\text{U}(n,f)$ cross-section measurement at the white-neutron source n_TOF from near-thermal to 1 MeV neutron energy. Physical Review C, 2009, 80, .	2.9	30
67	Dose conversion coefficients for monoenergetic electrons incident on a realistic human eye model with different lens cell populations. Physics in Medicine and Biology, 2011, 56, 6919-6934.	3.0	30
68	A study of the decays of tau leptons produced on the Z resonance at LEP. Zeitschrift für Physik C-Particles and Fields, 1992, 55, 555-567.	1.5	29
69	Limits on the production of scalar leptoquarks from Z^0 decays at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 316, 620-630.	4.1	29
70	Measurement of inclusive production of light meson resonances in hadronic decays of the Z^0 . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 298, 236-246.	4.1	29
71	Determination of α_s using the next-to-leading-log approximation of QCD. Zeitschrift für Physik C-Particles and Fields, 1993, 59, 21-33.	1.5	29
72	A measurement of B meson production and lifetime using $D^0 \rightarrow \hat{n}^* \hat{n}^*$ events in Z^0 decays. Zeitschrift für Physik C-Particles and Fields, 1993, 57, 181-195.	1.5	29

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73	J/ψ production in the hadronic decays of the Z. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 341, 109-122.	4.1	28
74	Search for the standard model Higgs boson in Z0 decays. Nuclear Physics B, 1994, 421, 3-37. Neutron physics of the Re/Os clock. I. Measurement of the $T_{1/2}(\text{Os})$. Physical Review Letters, 2013, 110, 187-191.	2.5	28
75	cross sections of Os . Nuclear Physics B, 1994, 421, 3-37.	2.9	28
76	Experimental neutron capture data of Ni from the CERN n_TOF facility. Physical Review C, 2014, 89, .	2.9	28
77	Measurement of the angular distribution of fission fragments using a PPAC assembly at CERN n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 743, 79-85.	1.6	28
78	Comparison of unfolding codes for neutron spectrometry with Bonner spheres. Radiation Protection Dosimetry, 2014, 161, 46-52.	0.8	28
79	A measurement of $\sin^2\theta_W$ from the charge asymmetry of hadronic events at the Z0 peak. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 277, 371-382.	4.1	27
80	A measurement of D meson production in Z0 hadronic decays. Zeitschrift für Physik C-Particles and Fields, 1993, 59, 533-545.	1.5	27
81	Invariant mass dependence of particle correlations in hadronic final states from the decay of the Z0. Zeitschrift für Physik C-Particles and Fields, 1994, 63, 17-28.	1.5	27
82	Measurement of \hat{b} production and lifetime in Z0 hadronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 311, 379-390.	4.1	26
83	Monte Carlo modeling and simulations of the High Definition (HD120) micro MLC and validation against measurements for a 6 MV beam. Medical Physics, 2011, 39, 415-423.	3.0	26
84	Measurement and resonance analysis of the ^{237}Np neutron capture cross section. Physical Review C, 2012, 85, .	2.9	26
85	A new CVD diamond mosaic-detector for (n, γ) measurements at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 190-194.	1.6	26
86	Measurement and analysis of the ^{243}Am neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2014, 90, .	2.9	26
87	Nuclear data activities at the n_TOF facility at CERN. European Physical Journal Plus, 2016, 131, 1.	2.6	26
88	Search for scalar quarks in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 148-156.	4.1	25
89	Study of final state photons in hadronic Z0 decay and limits on new phenomena. Zeitschrift für Physik C-Particles and Fields, 1992, 53, 555-565.	1.5	25
90	Measurement and analysis of the ^{241}Am neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2014, 90, .	2.9	25

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91	Measurements of the lineshape of the Z0 and determination of electroweak parameters from its hadronic and leptonic decays. Nuclear Physics B, 1994, 417, 3-57.	2.5	24
92	TheLa139(n,Î³) cross section: Key for the onset of the s-process. Physical Review C, 2007, 75, .	2.9	24
93	Neutron capture on Zr resonance parameters and Maxwellian-averaged cross sections. Physical Review C, 2011, 84, .	2.9	24
94	Radiological protection, safety and security issues in the industrial and medical applications of radiation sources. Radiation Physics and Chemistry, 2015, 116, 48-55.	2.8	24
95	High-accuracy determination of the U fission cross section. Physical Review C, 2018, 97, .	2.9	24
96	Multiplicity fluctuations in hadronic final states from the decay of the Z0. Nuclear Physics B, 1992, 386, 471-492.	2.5	23
97	Intercomparison of active personal dosimeters in interventional radiology. Radiation Protection Dosimetry, 2008, 129, 340-345.	0.8	23
98	Measurement of resolved resonances of $^{232}Th(n,Î³)$ at the n_TOF facility at CERN. Physical Review C, 2012, 85, .	2.9	23
99	Cross section measurements of $^{155,157}Gd(n,Î³)$ induced by thermal and epithermal neutrons. European Physical Journal A, 2019, 55, 1.	2.5	23
100	Searches for heavy neutrinos from Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 274, 230-238.	4.1	22
101	Search for scalar leptoquarks from Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 275, 222-230.	4.1	22
102	Experimental tests of an advanced proton-to-neutron converter at ISOLDE-CERN. Nuclear Instruments & Methods in Physics Research B, 2014, 336, 143-148.	1.4	22
103	A measurement of the b forward-backward asymmetry using the semileptonic decay into muons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 276, 536-546.	4.1	21
104	Parameter optimization of a planar BEGe detector using Monte Carlo simulations. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 623, 1014-1019.	1.6	21
105	Experimental setup and procedure for the measurement of the $^7Be(n,Î±)Î±$ reaction at n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 830, 197-205.	1.6	21
106	Radiative neutron capture on Pu in the resonance region at the CERN n_TOF-EAR1 facility. Physical Review C, 2018, 97, .	2.9	21
107	Process Branching Point Tm ^{171}Tm	2.9	21
108	Measurement of the partial width of the decay of the Z0 into charm quark pairs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 252, 140-148.	4.1	20

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109	Measurement of the $^{235}\text{U}(n, f)$ cross section relative to the $^6\text{Li}(n, t)$ and $^{10}\text{B}(n, \alpha)$ standards from thermal to 170 keV neutron energy range at n_TOF. <i>European Physical Journal A</i> , 2019, 55, 1.	2.5	20
110	Determination of $\hat{\Gamma}_S$ for b quarks at the Z0 resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 307, 221-236.	4.1	19
111	Simultaneous measurement of neutron-induced capture and fission reactions at CERN. <i>European Physical Journal A</i> , 2012, 48, 1.	2.5	19
112	Search for the t and b' quarks in hadronic decays of the Z0 boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 242, 536-546.	4.1	18
113	Measurement of the average lifetime of B hadrons. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992, 53, 567-580.	1.5	18
114	A measurement of the lifetime of the tau lepton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1991, 267, 422-430.	4.1	17
115	A measurement of the tau lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 302, 356-368.	4.1	17
116	Measurement of the average lifetime of b hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 317, 474-484.	4.1	17
117	$\frac{1}{\Gamma} = \frac{1}{\Gamma_{\text{total}}} = \frac{1}{\Gamma_{\text{lepton}} + \Gamma_{\text{hadron}}}$	2.9	17
118	Optimal photon energy comparison between digital breast tomosynthesis and mammography: A case study. <i>Physica Medica</i> , 2014, 30, 482-488.	0.7	17
119	Dosimetric characterization and organ dose assessment in digital breast tomosynthesis: Measurements and Monte Carlo simulations using voxel phantoms. <i>Medical Physics</i> , 2015, 42, 3788-3800.	3.0	17
120	Search for excited charged leptons in Z0 decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992, 53, 41-49.	1.5	16
121	A study of $B^0 \rightarrow \pi^0$ mixing using semileptonic decays of B hadrons produced from Z0. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 301, 145-154.	4.1	16
122	Monte Carlo simulation of the movement and detection efficiency of a whole-body counting system using a BOMAB phantom. <i>Radiation Protection Dosimetry</i> , 2012, 148, 403-413.	0.8	16
123	Medical staff extremity dosimetry in CT fluoroscopy: an anthropomorphic hand voxel phantom study. <i>Physics in Medicine and Biology</i> , 2013, 58, 5433-5448.	3.0	16
124	Imaging neutron capture cross sections: i-TED proof-of-concept and future prospects based on Machine-Learning techniques. <i>European Physical Journal A</i> , 2021, 57, 1.	2.5	16
125	A measurement of the mean lifetimes of charged and neutral B-hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 312, 253-266.	4.1	15
126	Charged kaon production in tau decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 334, 435-449.	4.1	15

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127	Neutron-induced fission cross-section of ^{233}U in the energy range 0.5 $\leq E_n \leq 20\text{ MeV}$. European Physical Journal A, 2011, 47, 1.	2.5	15
128	A measurement of the $\text{Bs}0$ meson mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 324, 500-508.	4.1	14
129	Measurement of the $^{236}\text{U}(n,f)$ cross section from 170 meV to 2 MeV at the CERN n_TOF facility. Physical Review C, 2011, 84, .	2.9	14
130	Estimation of the collective dose in the Portuguese population due to medical procedures in 2010. Radiation Protection Dosimetry, 2013, 154, 446-458.	0.8	14
131	Measurement of the $^{12}\text{C}(n,p)^{12}\text{B}$ cross section at n_TOF at CERN by in-beam activation analysis. Physical Review C, 2014, 90, .	2.9	14
132	Image quality and dose assessment in digital breast tomosynthesis: A Monte Carlo study. Radiation Physics and Chemistry, 2014, 104, 158-162.	2.8	14
133	Dosimetric effect of tissue heterogeneity for ^{125}I prostate implants. Reports of Practical Oncology and Radiotherapy, 2014, 19, 392-398.	0.6	14
134	Neutron-induced fission cross section of ^{234}U measured at the CERN n_TOF facility. Physical Review C, 2014, 89, .	2.9	14
135	The $(n, \hat{\pm})$ Reaction in the s-process Branching Point ^{59}Ni . Nuclear Data Sheets, 2014, 120, 208-210.	2.2	14
136	Fission Fragment Angular Distribution measurements of ^{235}U and ^{238}U at CERN n_TOF facility. EPJ Web of Conferences, 2016, 111, 10002.	0.3	14
137	Experimental setup and procedure for the measurement of the $^{7}\text{Be}(n,p)^{7}\text{Li}$ reaction at n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 887, 27-33.	1.6	14
138	Study of orientation of three-jet events in $\text{Z}0$ hadronic decays using the DELPHI detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 274, 498-506.	4.1	13
139	Interference of neutral kaons in the hadronic decays of the $\text{Z}0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 323, 242-252.	4.1	13
140	Neutron-induced fission cross section of ^{245}Cm : New results from data taken at the time-of-flight facility n_TOF. Physical Review C, 2012, 85, .	2.9	13
141	Measurement of the $^{70}\text{Ge}(n,\gamma)^{71}\text{Ge}$ cross section up to 300 keV at the CERN n_TOF facility. Physical Review C, 2018, 100, .	2.9	13
142	Dose mapping of a ^{60}Co irradiation facility using PENELOPE and MCNPX and its validation by chemical dosimetry. Applied Radiation and Isotopes, 2008, 66, 435-440.	1.5	12
143	Comparison of different breast planning techniques and algorithms for radiation therapy treatment. Physica Medica, 2014, 30, 160-170.	0.7	12
144	Assessment of patient dose reduction by bismuth shielding in CT using measurements, GEANT4 and MCNPX simulations. Radiation Protection Dosimetry, 2015, 165, 175-181.	0.8	12

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145	Overview of the PREPARE WP3: management of contaminated goods in post-accidental situation – Synthesis of European stakeholders' panels. Radioprotection, 2016, 51, S83-S91.	1.0	12
146	Neutron capture cross section measurement of ^{238}U at the CERN n_TOF facility in the energy region from 1 eV to 700 keV. Physical Review C, 2017, 95, .	2.9	12
147	Performance Analysis of Geiger-Müller and Cadmium Zinc Telluride Sensors Envisaging Airborne Radiological Monitoring in NORM Sites. Sensors, 2020, 20, 1538.	3.8	12
148	Measurement of the $^{154}\text{Gd}(n, \hat{1}^3)$ cross section and its astrophysical implications. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 804, 135405.	4.1	12
149	The measurement of the $^{206}\text{Pb}(n, \hat{1}^3)$ cross section and stellar implications. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014020.	3.6	11
150	Measurement of the neutron-induced fission cross-section of ^{243}Am relative to ^{235}U from 0.5 to 20 MeV. European Physical Journal A, 2011, 47, 1.	2.5	11
151	Cancer risk estimation in Digital Breast Tomosynthesis using GEANT4 Monte Carlo simulations and voxel phantoms. Physica Medica, 2016, 32, 717-723.	0.7	11
152	Neutron-induced fission cross section of ^{237}Np in the keV to MeV range at the CERN n_TOF facility. Physical Review C, 2016, 93, .	2.9	11
153	Capabilities of the RENE network for research and large scale radiological and nuclear emergency situations. International Journal of Radiation Biology, 2017, 93, 136-141.	1.8	11
154	Measurement of $^{73}\text{Ge}(n, \hat{1}^3)$ cross sections and implications for stellar nucleosynthesis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 458-465.	4.1	11
155	Child and adult thyroid monitoring after a reactor accident (CATHYMAR): Technical recommendations and remaining gaps. Radiation Measurements, 2019, 128, 106069.	1.4	11
156	Measurement of the mixing using the average electric charge of hadron-jets in ZO-decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 322, 459-472.	4.1	10
157	Measurement of the mixing parameter in DELPHI. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 332, 488-500.	4.1	10
158	Monte Carlo simulations and dosimetric studies of an irradiation facility. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 70-72.	1.6	10
159	Neutron measurements for advanced nuclear systems: The n_TOF project at CERN. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 3251-3257.	1.4	10
160	Optimization studies of the CERN-ISOLDE neutron converter and fission target system. European Physical Journal A, 2012, 48, 1.	2.5	10
161	Construction of the cosmic ^{26}Al γ -ray emitter in massive stars: Study of the key ^{26}Al	1.9	10
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