

# Pedro Vaz

## List of Publications by Citations

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327  
papers

5,454  
citations

37  
h-index

57  
g-index

390  
ext. papers

5,935  
ext. citations

2.1  
avg, IF

3.9  
L-index

#	Paper	IF	Citations
327	The DELPHI detector at LEP. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>1991</b> , 303, 233-276	1.2	322
326	Measurement of the mass and width of the Z <sup>0</sup> -particle from multihadronic final states produced in e <sup>+</sup> e <sup>-</sup> annihilations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1989</b> , 231, 539-547	4.2	191
325	Performance of the neutron time-of-flight facility n_TOF at CERN. <i>European Physical Journal A</i> , <b>2013</b> , 49, 1	2.5	160
324	Electroweak parameters of the Z <sup>0</sup> resonance and the standard model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 276, 247-253	4.2	157
323	Study of hadronic decays of the Z <sup>0</sup> boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 240, 271-282	4.2	89
322	The data acquisition system of the neutron time-of-flight facility n_TOF at CERN. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2005</b> , 538, 692-702	1.2	78
321	New experimental validation of the pulse height weighting technique for capture cross-section measurements. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2004</b> , 521, 454-467	1.2	77
320	The n_TOF Total Absorption Calorimeter for neutron capture measurements at CERN. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2009</b> , 608, 424-433	1.2	70
319	A study of intermittency in hadronic Z <sup>0</sup> decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 247, 137-147	4.2	69
318	Neutron-induced fission cross section of U <sup>234</sup> and Np <sup>237</sup> measured at the CERN Neutron Time-of-Flight (n_TOF) facility. <i>Physical Review C</i> , <b>2010</b> , 82,	2.7	66
317	Bose-Einstein correlations in the hadronic decays of the Z <sup>0</sup> . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 286, 201-210	4.2	66
316	<sup>7</sup> Be(n, <sup>4</sup> He) Reaction and the Cosmological Lithium Problem: Measurement of the Cross Section in a Wide Energy Range at n_TOF at CERN. <i>Physical Review Letters</i> , <b>2016</b> , 117, 152701	7.4	65
315	The new vertical neutron beam line at the CERN n_TOF facility design and outlook on the performance. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2015</b> , 799, 90-98	1.2	64
314	Determination of Z <sup>0</sup> resonance parameters and couplings from its hadronic and leptonic decays. <i>Nuclear Physics B</i> , <b>1991</b> , 367, 511-574	2.8	62
313	A comparison of jet production rates on the Z <sup>0</sup> resonance to perturbative QCD. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 247, 167-176	4.2	61
312	High-accuracy determination of the neutron flux at n_TOF. <i>European Physical Journal A</i> , <b>2013</b> , 49, 1	2.5	59
311	A search for sleptons and gauginos in Z <sup>0</sup> decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 247, 157-166	4.2	58

310	A precise measurement of the Z resonance parameters through its hadronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 241, 435-448	4.2	56
309	Au197(n, $\gamma$ )cross section in the unresolved resonance region. <i>Physical Review C</i> , <b>2011</b> , 83,	2.7	53
308	Neutron capture cross section measurement of 151Sm at the CERN neutron time of flight facility (n_TOF). <i>Physical Review Letters</i> , <b>2004</b> , 93, 161103	7.4	53
307	Charged particle multiplicity distributions in restricted rapidity intervals in Z0 hadronic decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1991</b> , 52, 271-281		49
306	Realising the European Network of Biodosimetry (RENEB). <i>Radiation Protection Dosimetry</i> , <b>2012</b> , 151, 621-5	0.9	46
305	Search for light neutral Higgs particles produced in Z0-decays. <i>Nuclear Physics B</i> , <b>1990</b> , 342, 1-14	2.8	46
304	Measurement of the n_TOF beam profile with a micromegas detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2004</b> , 524, 102-114	1.2	45
303	Search for pair production of neutral Higgs bosons in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 245, 276-288	4.2	44
302	RENEB - Running the European Network of biological dosimetry and physical retrospective dosimetry. <i>International Journal of Radiation Biology</i> , <b>2017</b> , 93, 2-14	2.9	43
301	Resonance neutron-capture cross sections of stable magnesium isotopes and their astrophysical implications. <i>Physical Review C</i> , <b>2012</b> , 85,	2.7	41
300	Au197(n, $\gamma$ )cross section in the resonance region. <i>Physical Review C</i> , <b>2010</b> , 81,	2.7	41
299	Production of strange particles in the hadronic decays of the Z0. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 275, 231-242	4.2	41
298	Production of $\Lambda$ and $\Sigma$ correlations in the hadronic decays of the Z0. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 318, 249-262	4.2	41
297	Experimental study of the triple-gluon vertex. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 255, 466-476	4.2	40
296	Determination of $\beta$ from the scaling violation in the fragmentation functions in e+e $\gamma$ annihilation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 311, 408-424	4.2	40
295	$^7\text{Be}(n,p)^7\text{Li}$ Reaction and the Cosmological Lithium Problem: Measurement of the Cross Section in a Wide Energy Range at n_TOF at CERN. <i>Physical Review Letters</i> , <b>2018</b> , 121, 042701	7.4	38
294	A search for neutral Higgs particles in Z0 decays. <i>Nuclear Physics B</i> , <b>1992</b> , 373, 3-34	2.8	38
293	Evaluation of Acridine Orange Derivatives as DNA-Targeted Radiopharmaceuticals for Auger Therapy: Influence of the Radionuclide and Distance to DNA. <i>Scientific Reports</i> , <b>2017</b> , 7, 42544	4.9	37

292	Neutron capture cross section of Zr90: Bottleneck in the s-process reaction flow. <i>Physical Review C</i> , <b>2008</b> , 77,	2.7	37
291	Improved measurements of cross sections and asymmetries at the Z0 resonance. <i>Nuclear Physics B</i> , <b>1994</b> , 418, 403-427	2.8	37
290	Energy-energy correlations in hadronic final states from Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 252, 149-158	4.2	37
289	New measurement of neutron capture resonances in Bi209. <i>Physical Review C</i> , <b>2006</b> , 74,	2.7	36
288	Neutron capture cross section of Th232 measured at the n_TOF facility at CERN in the unresolved resonance region up to 1 MeV. <i>Physical Review C</i> , <b>2006</b> , 73,	2.7	36
287	Evidence for B <sub>S</sub> meson production in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 289, 199-210	4.2	36
286	Search for heavy charged scalars in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 241, 449-458	4.2	36
285	Neutron capture cross section of unstable 63Ni: implications for stellar nucleosynthesis. <i>Physical Review Letters</i> , <b>2013</b> , 110, 022501	7.4	35
284	Classification of the hadronic decays of the Z0 into b and c quark pairs using a neural network. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 295, 383-395	4.2	34
283	Realising the European network of biodosimetry: RENEb-status quo. <i>Radiation Protection Dosimetry</i> , <b>2015</b> , 164, 42-5	0.9	33
282	Neutron physics of the Re/Os clock. III. Resonance analyses and stellar (n,γ) cross sections of Os186,187,188. <i>Physical Review C</i> , <b>2010</b> , 82,	2.7	32
281	Experimental study of the Zr91(n,γ) reaction up to 26 keV. <i>Physical Review C</i> , <b>2008</b> , 78,	2.7	32
280	Measurement of the Sm151(n,γ) cross section from 0.6 eV to 1 MeV via the neutron time-of-flight technique at the CERN n_TOF facility. <i>Physical Review C</i> , <b>2006</b> , 73,	2.7	32
279	The 93Zr(n,γ) reaction up to 8 keV neutron energy. <i>Physical Review C</i> , <b>2013</b> , 87,	2.7	31
278	Neutron-induced fission cross section of natPb and Bi209 from threshold to 1 GeV: An improved parametrization. <i>Physical Review C</i> , <b>2011</b> , 83,	2.7	31
277	Time-energy relation of the n_TOF neutron beam: energy standards revisited. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2004</b> , 532, 622-630	1.2	31
276	Measurement of the triple-gluon vertex from 4-jet events at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1993</b> , 59, 357-368		31
275	High-accuracy determination of the neutron flux in the new experimental area n_TOF-EAR2 at CERN. <i>European Physical Journal A</i> , <b>2017</b> , 53, 1	2.5	30

274	Status and outlook of the neutron time-of-flight facility n_TOF at CERN. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2007</b> , 261, 925-929	1.2	30
273	Study of the leptonic decays of the Z0 boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 241, 425-434	4.2	30
272	The Zr92(n, $\gamma$ ) reaction and its implications for stellar nucleosynthesis. <i>Physical Review C</i> , <b>2010</b> , 81,	2.7	29
271	The reaction $e^+e^- \rightarrow \mu^+\mu^-$ at Z0 energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 268, 296-304	4.2	29
270	Limits on the production of scalar leptoquarks from Z0 decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 316, 620-630	4.2	29
269	Measurement of inclusive production of light meson resonances in hadronic decays of the Z0. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 298, 236-246	4.2	29
268	J/ $\psi$ production in the hadronic decays of the Z. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 341, 109-122	4.2	28
267	A study of the decays of tau leptons produced on the Z resonance at LEP. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1992</b> , 55, 555-567		28
266	Determination of $\beta_3$ using the next-to-leading-log approximation of QCD. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1993</b> , 59, 21-33		28
265	A measurement of B meson production and lifetime using D1 events in Z0 decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1993</b> , 57, 181-195		28
264	High-accuracy U233(n,f) cross-section measurement at the white-neutron source n_TOF from near-thermal to 1 MeV neutron energy. <i>Physical Review C</i> , <b>2009</b> , 80,	2.7	27
263	Measurement of the neutron capture cross section of the s-only isotope Pb204 from 1 eV to 440 keV. <i>Physical Review C</i> , <b>2007</b> , 75,	2.7	27
262	Invariant mass dependence of particle correlations in hadronic final states from the decay of the Z0. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1994</b> , 63, 17-28		27
261	Search for the standard model Higgs boson in Z0 decays. <i>Nuclear Physics B</i> , <b>1994</b> , 421, 3-37	2.8	26
260	A measurement of $\sin^2 2\theta_W$ from the charge asymmetry of hadronic events at the Z0 peak. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 277, 371-382	4.2	26
259	A measurement of D meson production in Z0 hadronic decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1993</b> , 59, 533-545		26
258	Measurement and resonance analysis of the 237Np neutron capture cross section. <i>Physical Review C</i> , <b>2012</b> , 85,	2.7	25
257	Study of final state photons in hadronic Z0 decay and limits on new phenomena. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1992</b> , 53, 555-565		25

256	Measurement of the angular distribution of fission fragments using a PPAC assembly at CERN n_TOF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2014</b> , 743, 79-85	1.2	24
255	Measurement and analysis of the Am243 neutron capture cross section at the n_TOF facility at CERN. <i>Physical Review C</i> , <b>2014</b> , 90,	2.7	24
254	Neutron physics of the Re/Os clock. I. Measurement of the $(n,\gamma)$ cross sections of Os186,187,188 at the CERN n_TOF facility. <i>Physical Review C</i> , <b>2010</b> , 82,	2.7	24
253	Dose conversion coefficients for monoenergetic electrons incident on a realistic human eye model with different lens cell populations. <i>Physics in Medicine and Biology</i> , <b>2011</b> , 56, 6919-34	3.8	24
252	Measurement of the $e^+e^- \rightarrow \mu^+\mu^-$ cross section at LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 327, 386-396	4.2	24
251	Measurement of $B$ production and lifetime in Z0 hadronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 311, 379-390	4.2	24
250	GEANT4 simulation of the neutron background of the C6D6 set-up for capture studies at n_TOF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2014</b> , 760, 57-67	1.2	23
249	A new CVD diamond mosaic-detector for $(n, \gamma)$ . <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2013</b> , 732, 190-194	1.2	23
248	Resonance capture cross section of Pb207. <i>Physical Review C</i> , <b>2006</b> , 74,	2.7	23
247	Measurement of the radiative neutron capture cross section of Pb206 and its astrophysical implications. <i>Physical Review C</i> , <b>2007</b> , 76,	2.7	23
246	Multiplicity fluctuations in hadronic final states from the decay of the Z0. <i>Nuclear Physics B</i> , <b>1992</b> , 386, 471-492	2.8	23
245	Nuclear data activities at the n_TOF facility at CERN. <i>European Physical Journal Plus</i> , <b>2016</b> , 131, 1	3.1	23
244	Experimental neutron capture data of 58Ni from the CERN n_TOF facility. <i>Physical Review C</i> , <b>2014</b> , 89,	2.7	22
243	Ni62( $n,\gamma$ ) and Ni63( $n,\gamma$ ) cross sections measured at the n_TOF facility at CERN. <i>Physical Review C</i> , <b>2014</b> , 89,	2.7	22
242	The La139( $n,\gamma$ ) cross section: Key for the onset of the s-process. <i>Physical Review C</i> , <b>2007</b> , 75,	2.7	22
241	Search for scalar leptoquarks from Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 275, 222-230	4.2	22
240	Search for scalar quarks in Z0 decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 247, 148-156	4.2	22
239	Neutron spectroscopy of 26Mg states: Constraining the stellar neutron source 22Ne( $n,\gamma$ )25Mg. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2017</b> , 768, 1-6	4.2	21

238	High-accuracy determination of the U238/U235 fission cross section ratio up to 1 GeV at n_TOF at CERN. <i>Physical Review C</i> , <b>2015</b> , 91,	2.7	21
237	Neutron capture on Zr94: Resonance parameters and Maxwellian-averaged cross sections. <i>Physical Review C</i> , <b>2011</b> , 84,	2.7	21
236	Searches for heavy neutrinos from Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 274, 230-238	4.2	21
235	Measurement and analysis of the Am241(n, $\gamma$ ) cross section with liquid scintillator detectors using time-of-flight spectroscopy at the n_TOF facility at CERN. <i>Physical Review C</i> , <b>2014</b> , 89,	2.7	20
234	Comparison of unfolding codes for neutron spectrometry with Bonner spheres. <i>Radiation Protection Dosimetry</i> , <b>2014</b> , 161, 46-52	0.9	20
233	Intercomparison of active personal dosimeters in interventional radiology. <i>Radiation Protection Dosimetry</i> , <b>2008</b> , 129, 340-5	0.9	20
232	Measurement of the partial width of the decay of the Z0 into charm quark pairs. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 252, 140-148	4.2	20
231	Simultaneous measurement of neutron-induced capture and fission reactions at CERN. <i>European Physical Journal A</i> , <b>2012</b> , 48, 1	2.5	19
230	Measurement of resolved resonances of 232Th(n, $\gamma$ ) at the n_TOF facility at CERN. <i>Physical Review C</i> , <b>2012</b> , 85,	2.7	19
229	Measurements of the lineshape of the Z0 and determination of electroweak parameters from its hadronic and leptonic decays. <i>Nuclear Physics B</i> , <b>1994</b> , 417, 3-57	2.8	19
228	A measurement of the b forward-backward asymmetry using the semileptonic decay into muons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 276, 536-546	4.2	19
227	Determination of $\beta$ for b quarks at the Z0 resonance. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 307, 221-236	4.2	19
226	Parameter optimization of a planar BEGe detector using Monte Carlo simulations. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2010</b> , 623, 1014-1019	1.2	18
225	Measurement of the average lifetime of B hadrons. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1992</b> , 53, 567-580		18
224	Experimental setup and procedure for the measurement of the $^7\text{Be}(n,\alpha)^4\text{He}$ reaction at n_TOF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2016</b> , 830, 197-205	1.2	17
223	A measurement of the lifetime of the tau lepton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1991</b> , 267, 422-430	4.2	17
222	Cross section measurements of $^{155,157}\text{Gd}(n,\gamma)$ induced by thermal and epithermal neutrons. <i>European Physical Journal A</i> , <b>2019</b> , 55, 1	2.5	16
221	Optimal photon energy comparison between digital breast tomosynthesis and mammography: a case study. <i>Physica Medica</i> , <b>2014</b> , 30, 482-8	2.7	16

220	Experimental tests of an advanced proton-to-neutron converter at ISOLDE-CERN. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2014</b> , 336, 143-148	1.2	16
219	$^{96}\text{Zr}(n,\gamma)$ measurement at the n_TOF facility at CERN. <i>Physical Review C</i> , <b>2011</b> , 84,	2.7	16
218	Monte Carlo modeling and simulations of the High Definition (HD120) micro MLC and validation against measurements for a 6 MV beam. <i>Medical Physics</i> , <b>2012</b> , 39, 415-23	4.4	16
217	Search for excited charged leptons in $Z^0$ decays. <i>Zeitschrift für Physik C-Particles and Fields</i> , <b>1992</b> , 53, 41-49		16
216	A measurement of the tau lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 302, 356-368	4.2	16
215	Measurement of the average lifetime of b hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 317, 474-484	4.2	16
214	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> , <b>1993</b> , 312, 253-266	4.2	15
213	A study of $B^0\bar{D}^0$ mixing using semileptonic decays of B hadrons produced from $Z^0$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1993</b> , 301, 145-154	4.2	15
212	Search for the t and b' quarks in hadronic decays of the $Z^0$ boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 242, 536-546	4.2	15
211	Radiative neutron capture on Pu242 in the resonance region at the CERN n_TOF-EAR1 facility. <i>Physical Review C</i> , <b>2018</b> , 97,	2.7	14
210	Radiological protection, safety and security issues in the industrial and medical applications of radiation sources. <i>Radiation Physics and Chemistry</i> , <b>2015</b> , 116, 48-55	2.5	14
209	Measurement of the $^{12}\text{C}(n,p)^{12}\text{B}$ cross section at n_TOF at CERN by in-beam activation analysis. <i>Physical Review C</i> , <b>2014</b> , 90,	2.7	14
208	A measurement of the $B_s^0$ meson mass. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 324, 500-508	4.2	14
207	Charged kaon production in tau decays at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1994</b> , 334, 435-449	4.2	14
206	Experimental setup and procedure for the measurement of the $^7\text{Be}(n,p)^7\text{Li}$ reaction at n_TOF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , <b>2018</b> , 887, 27-33	1.2	13
205	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> , <b>2019</b> , 55, 1	2.5	13
204	Neutron-induced fission cross section of U234 measured at the CERN n_TOF facility. <i>Physical Review C</i> , <b>2014</b> , 89,	2.7	13
203	Image quality and dose assessment in digital breast tomosynthesis: A Monte Carlo study. <i>Radiation Physics and Chemistry</i> , <b>2014</b> , 104, 158-162	2.5	13



202	Medical staff extremity dosimetry in CT fluoroscopy: an anthropomorphic hand voxel phantom study. <i>Physics in Medicine and Biology</i> , <b>2013</b> , 58, 5433-48	3.8	13
201	Estimation of the collective dose in the Portuguese population due to medical procedures in 2010. <i>Radiation Protection Dosimetry</i> , <b>2013</b> , 154, 446-58	0.9	13
200	Neutron-induced fission cross-section of <sup>233</sup> U in the energy range 0.5 European Physical Journal A, <b>2011</b> , 47, 1	2.5	13
199	Neutron-induced fission cross section of <sup>245</sup> Cm: New results from data taken at the time-of-flight facility n_TOF. <i>Physical Review C</i> , <b>2012</b> , 85,	2.7	13
198	Study of orientation of three-jet events in Z0 hadronic decays using the DELPHI detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 274, 498-506	4.2	13
197	State-of-the-Art Mobile Radiation Detection Systems for Different Scenarios. <i>Sensors</i> , <b>2021</b> , 21,	3.8	13
196	Fission Fragment Angular Distribution measurements of <sup>235</sup> U and <sup>238</sup> U at CERN n_TOF facility. <i>EPJ Web of Conferences</i> , <b>2016</b> , 111, 10002	0.3	12
195	Dosimetric characterization and organ dose assessment in digital breast tomosynthesis: Measurements and Monte Carlo simulations using voxel phantoms. <i>Medical Physics</i> , <b>2015</b> , 42, 3788-800	4.4	12
194	Measurement of the <sup>236</sup> U(n,f) cross section from 170 meV to 2 MeV at the CERN n_TOF Facility. <i>Physical Review C</i> , <b>2011</b> , 84,	2.7	12
193	Monte Carlo simulation of the movement and detection efficiency of a whole-body counting system using a BOMAB phantom. <i>Radiation Protection Dosimetry</i> , <b>2012</b> , 148, 403-13	0.9	12
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191	Overview of the PREPARE WP3: management of contaminated goods in post-accidental situation [Synthesis of European stakeholders' panels. <i>Radioprotection</i> , <b>2016</b> , 51, S83-S91	1.1	12
190	Assessment of patient dose reduction by bismuth shielding in CT using measurements, GEANT4 and MCNPX simulations. <i>Radiation Protection Dosimetry</i> , <b>2015</b> , 165, 175-81	0.9	11
189	Neutron-induced fission cross section of <sup>237</sup> Np in the keV to MeV range at the CERN n_TOF facility. <i>Physical Review C</i> , <b>2016</b> , 93,	2.7	11
188	The measurement of the <sup>206</sup> Pb(n, $\gamma$ ) cross section and stellar implications. <i>Journal of Physics G: Nuclear and Particle Physics</i> , <b>2008</b> , 35, 014020	2.9	11
187	Neutron capture cross section measurement of <sup>238</sup> U at the CERN n_TOF facility in the energy region from 1 eV to 700 keV. <i>Physical Review C</i> , <b>2017</b> , 95,	2.7	10
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182	Cancer risk estimation in Digital Breast Tomosynthesis using GEANT4 Monte Carlo simulations and voxel phantoms. <i>Physica Medica</i> , <b>2016</b> , 32, 717-23	2.7	10
181	Integral measurement of the $^{12}\text{C}(n, p)^{12}\text{B}$ reaction up to 10 GeV. <i>European Physical Journal A</i> , <b>2016</b> , 52, 1	2.5	9
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179	Measurement of the neutron-induced fission cross-section of $^{241}\text{Am}$ at the time-of-flight facility n_TOF. <i>European Physical Journal A</i> , <b>2013</b> , 49, 1	2.5	9
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113	Simultaneous measurement of the neutron capture and fission yields of <sup>233</sup> U <b>2007</b> ,		3

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91	The $^{234}\text{U}$ neutron capture cross section measurement at the n_TOF facility <b>2007</b> ,		2
90	Measurement of the $^{197}\text{Au}$ (n, $\gamma$ ) cross section at n_TOF: towards a new standard <b>2007</b> ,		2
89	Measurement of neutron induced fission of $^{235}\text{U}$ , $^{233}\text{U}$ and $^{245}\text{Cm}$ with the FIC detector at the CERN n_TOF facility <b>2007</b> ,		2
88	Monte Carlo simulations and n-p differential scattering data measured with Proton Recoil Telescopes. <i>EPJ Web of Conferences</i> , <b>2020</b> , 239, 01024	0.3	2
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86	First Results of the $^{140}\text{Ce}(n,\gamma)^{141}\text{Ce}$ Cross-Section Measurement at n_TOF. <i>Universe</i> , <b>2021</b> , 7, 200	2.5	2
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82	Entrance surface dose distribution and organ dose assessment for cone-beam computed tomography using measurements and Monte Carlo simulations with voxel phantoms. <i>Radiation Physics and Chemistry</i> , <b>2017</b> , 140, 428-434	2.5	1
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75	High accuracy $^{234}\text{U}(n,f)$ cross section in the resonance energy region. <i>EPJ Web of Conferences</i> , <b>2017</b> , 146, 04057	0.3	1
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68	Response of the REWARD detection system to the presence of a Radiological Dispersal Device. <i>Radiation Measurements</i> , <b>2016</b> , 88, 20-32	1.5	1
67	Activity estimation and biokinetic analysis of Tc-DMSA in renal infant patients using a gamma camera. <i>Physica Medica</i> , <b>2018</b> , 52, 9-17	2.7	1
66	Fission program at n_TOF. <i>EPJ Web of Conferences</i> , <b>2019</b> , 211, 03006	0.3	1
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64	Estimation of the collective ionizing dose in the Portuguese population for the years 2011 and 2012, due to nuclear medicine exams. <i>Revista Espanola De Medicina Nuclear E Imagen Molecular</i> , <b>2015</b> , 34, 1-8	0.4	1
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