

JosÃ© Manuel Quesada Molina

List of Publications by Year in descending order

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238
papers

6,163
citations

117625

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79698

73
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256
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docs citations

256
times ranked

8922
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in Geant4. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 835, 186-225.	1.6	2,327
2	Performance of the neutron time-of-flight facility n_TOF at CERN. European Physical Journal A, 2013, 49, 1.	2.5	205
3	Benchmarking nuclear models of FLUKA and GEANT4 for carbon ion therapy. Physics in Medicine and Biology, 2010, 55, 5833-5847.	3.0	142
4	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
5	$\frac{1}{\sigma} \frac{d\sigma}{d\Omega} = \frac{1}{\sigma} \frac{d\sigma}{d\Omega} \frac{1}{\sigma} \frac{d\sigma}{d\Omega}$	7.8	94
6	Report on G4Med, a Geant4 benchmarking system for medical physics applications developed by the Geant4 Medical Simulation Benchmarking Group. Medical Physics, 2021, 48, 19-56.	3.0	92
7	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
8	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
9	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, 2008, 603, 126-133.	1.6	80
10	Neutron-induced fission cross section of ^{234}U and ^{237}Np . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 538, 692-702.	2.9	72
11	High-accuracy determination of the neutron flux at n_TOF. European Physical Journal A, 2013, 49, 1.	2.5	71
12	$\frac{1}{\sigma} \frac{d\sigma}{d\Omega} = \frac{1}{\sigma} \frac{d\sigma}{d\Omega} \frac{1}{\sigma} \frac{d\sigma}{d\Omega}$	2.8	68
13	Geant4 hadronic physics for space radiation environment. International Journal of Radiation Biology, 2012, 88, 171-175.	1.8	66
14	Neutron Capture Cross Section Measurement of ^{151}Sm at the CERN Neutron Time of Flight Facility (n_TOF). Physical Review Letters, 2004, 93, 161103.	7.8	65
15	$\frac{1}{\sigma} \frac{d\sigma}{d\Omega} = \frac{1}{\sigma} \frac{d\sigma}{d\Omega} \frac{1}{\sigma} \frac{d\sigma}{d\Omega}$	7.8	58
16	Dispersive coupled-channel analysis of nucleon scattering from ^{232}Th up to 200 MeV. Physical Review C, 2005, 72, .	2.9	56
17	$\frac{1}{\sigma} \frac{d\sigma}{d\Omega} = \frac{1}{\sigma} \frac{d\sigma}{d\Omega} \frac{1}{\sigma} \frac{d\sigma}{d\Omega}$	2.8	55
18	Resonance neutron-capture cross sections of stable magnesium isotopes and their astrophysical implications. Physical Review C, 2012, 85, .	2.9	55

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19	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
20	New measurement of neutron capture resonances inBi209. Physical Review C, 2006, 74, .	2.9	46
21	Neutron capture cross section of Zr Bottleneck in the Neutron Capture Cross Section of Unstable Zr -process reaction flow.	2.9	44
22	Neutron Capture Cross Section of Unstable Ni ^{63}Ni : Implications for Stellar Nucleosynthesis. Physical Review Letters, 2013, 110, 022501.	7.8	44
23	Neutron capture cross section ofTh232measured at the n_TOF facility at CERN in the unresolved resonance region up to 1 MeV. Physical Review C, 2006, 73, .	2.9	41
24	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
25	reaction up to 8 keV neutron energy. Physical Review C, 2013, 87, .	2.9	39
26	A Global Dispersive Coupled-Channel Optical Model Potential for Actinides. Journal of Nuclear Science and Technology, 2008, 45, 333-340.	1.3	38
27	Is a global coupled-channel dispersive optical model potential for actinides feasible?. Physical Review C, 2005, 72, .	2.9	37
28	Measurement of theSm151($n, \hat{1}^3$) 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
29	Neutron induced fission cross section of Os	2.9	36
30	Neutron induced fission cross section of Pb and Bi	2.9	36
31	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
32	AK=3two-quasiparticle isomer in ^{98}Sr . Physical Review C, 2002, 65, .	2.9	34
33	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, 522, 622-630.	1.6	34
34	Experimental study of the Zr (Zr) Tj ETQq0 0 ^{91}Zr /Overlock 10	2.9	34
35	A simple parametrization of one-particle transfer form factors for heavy-ion reactions. Nuclear Physics A, 1985, 442, 381-396.	1.5	33
36	The Zr (Zr) Tj ETQq0 0 ^{92}Zr /Overlock 10	2.9	33

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37	Resonance capture cross section of Pb207. Physical Review C, 2006, 74, .	2.9	32
38	Measurement of the neutron capture cross section of the s-only isotope Pb204 from 1 eV to 440 keV. Physical Review C, 2007, 75, .	2.9	32
39	Neutron spectroscopy of 26Mg states: Constraining the stellar neutron source 22Ne(̂±,n)25Mg. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 1-6.	4.1	32
40	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.	2.9	31
41	Measurement of the radiative neutron capture cross section of 206Pb and its astrophysical implications. Physical Review C, 2007, 76, .	1.6	31
42	High-accuracy U233(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
43	The FIRST experiment at GSI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 678, 130-138.	2.9	30
44	Nucleon scattering on actinides using a dispersive optical model with extended couplings. Physical Review C, 2016, 94, .	1.6	30
45	Neutron physics of the Re/Os clock. I. Measurement of the cross sections of 187Os. Experimental nuclear capture data of 187Os from the CERN n_TOF facility. Physical Review C, 2014, 89, .	2.9	30
46	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.	2.9	28
47	Progress in hadronic physics modelling in Geant4. Journal of Physics: Conference Series, 2009, 160, 012073.	2.9	28
48	Measurement and resonance analysis of the 237Np neutron capture cross section. Physical Review C, 2012, 85, .	1.6	28
49	A new CVD diamond mosaic-detector for (n, p) reactions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 732, 188-194.	0.4	26
50	Measurement and analysis of the 243Am neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2014, 90, .	2.9	26
51	Nuclear data activities at the n_TOF facility at CERN. European Physical Journal Plus, 2016, 131, 1.	1.6	26
52	Analytical expressions for the dispersive contributions to the nucleon-nucleus optical potential. Physical Review C, 2003, 67, .	2.9	26
53		2.6	26
54		2.9	25

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55	Measurement and analysis of the $^{241}\text{Am}(n, \gamma)^{242}\text{Am}$ reaction. Physical Review C, 2007, 75, .	2.9	24
56	The $^{139}\text{La}(n, \gamma)^{140}\text{La}$ cross section: Key for the onset of the s-process. Physical Review C, 2007, 75, .	2.9	24
57	Neutron capture on ^{94}Zr resonance parameters and Maxwellian-averaged cross sections. Physical Review C, 2011, 84, .	2.9	24
58	GEANT4 simulations of the n_TOF spallation source and their benchmarking. European Physical Journal A, 2015, 51, 1.	2.5	24
59	Dispersion relations in the nuclear optical model. Computer Physics Communications, 2003, 153, 97-105.	7.5	23
60	Measurement of resolved resonances of $^{232}\text{Th}(n, \gamma)^{233}\text{Th}$ at the n_TOF facility at CERN. Physical Review C, 2012, 85, .	2.9	23
61	Cross section measurements of $^{155,157}\text{Gd}(n, \gamma)^{156,158}\text{Gd}$ induced by thermal and epithermal neutrons. European Physical Journal A, 2019, 55, 1.	2.5	23
62	An implementation to read and write IAEA phase-space files in GEANT4-based simulations. International Journal of Radiation Biology, 2012, 88, 200-208.	1.8	22
63	Experimental setup and procedure for the measurement of the $^{7}\text{Be}(n, \gamma)^{8}\text{Be}$ 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
64	Radiative neutron capture on ^{242}Pu in the resonance region at the CERN n_TOF-EAR1 facility. Physical Review C, 2018, 97, .	2.9	21
65	Process Branching Point for $^{171}\text{Yb}(n, \gamma)^{172}\text{Yb}$. Physical Review C, 2019, 99, .	2.9	21
66	Measurement of the $^{235}\text{U}(n, f)$ cross section relative to the $^{6}\text{Li}(n, t)$ and $^{10}\text{B}(n, \alpha)^{7}\text{Li}$ standards from thermal to 170 keV neutron energy range at n_TOF. European Physical Journal A, 2019, 55, 1.	2.5	20
67	Simultaneous measurement of neutron-induced capture and fission reactions at CERN. European Physical Journal A, 2012, 48, 1.	2.5	19
68	Dispersive spherical optical model of neutron scattering from ^{27}Al up to 250 MeV. Physical Review C, 2002, 65, .	2.9	18
69	Measurement of the MACS of ^{235}U at $kT=30\text{keV}$ as a test of a method for Maxwellian neutron spectra generation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 727, 1-6.	1.6	18
70	Soft error rate comparison of 6T and 8T SRAM ICs using mono-energetic proton and neutron irradiation sources. Microelectronics Reliability, 2017, 78, 38-45.	1.7	18
71	Measurement of the $^{96}\text{Zr}(n, \gamma)^{97}\text{Zr}$ reaction. Physical Review C, 2007, 75, .	2.9	17
72	A general numerical solution of dispersion relations for the nuclear optical model. Journal of Physics G: Nuclear and Particle Physics, 2001, 27, B15-B19.	3.6	16

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73	Approximate Lane consistency of the dispersive coupled-channels potential for actinides. Physical Review C, 2007, 76, .	2.9	16
74	Dispersive coupled-channels optical-model potential with soft-rotator couplings for Cr, Fe, and Ni isotopes. Physical Review C, 2013, 87, .	2.9	16
75	Imaging neutron capture cross sections: i-TED proof-of-concept and future prospects based on Machine-Learning techniques. European Physical Journal A, 2021, 57, 1.	2.5	16
76	Neutron-induced fission cross-section of ²³³ U in the energy range 0.5 E_n 20 MeV. European Physical Journal A, 2011, 47, 1.	2.5	15
77	Measurement of the MACS of ¹⁵⁹ Tb(n, \hat{p}) at $kT = 30$ keV by Activation. Nuclear Data Sheets, 2014, 120, 205-207.	2.2	15
78	Geant4 simulation of the n_TOF-EAR2 neutron beam: Characteristics and prospects. European Physical Journal A, 2016, 52, 1.	2.5	15
79	Single-particle and collective aspects of the absorptive potential for heavy ion reactions. Nuclear Physics A, 1984, 428, 305-311.	1.5	14
80	Measurement of the ²³⁶ 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
81	Performance of upstream interaction region detectors for the FIRST experiment at GSI. Journal of Instrumentation, 2012, 7, P02006-P02006.	1.2	14
82	Silicon strip detector for a novel 2D dosimetric method for radiotherapy treatment verification. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 673, 98-106.	1.6	14
83	Measurement of the ¹² C(n,p) ¹² B cross section at n_TOF at CERN by in-beam activation analysis. Physical Review C, 2014, 90, .	2.9	14
84	Neutron-induced fission cross section of ²³⁴ U measured at the CERN n_TOF facility. Physical Review C, 2014, 89, .	2.9	14
85	The (n, \hat{p}) Reaction in the s-process Branching Point ⁵⁹ Ni. Nuclear Data Sheets, 2014, 120, 208-210.	2.2	14
86	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
87	Level densities of transitional Sm nuclei. Physical Review C, 2005, 71, .	2.9	13
88	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
89	Performance of the reconstruction algorithms of the FIRST experiment pixel sensors vertex detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 767, 34-40.	1.6	13
90	Measurement of the ²³⁵ U(n,f) cross section up to 300 keV at the CERN n_TOF facility. Physical Review C, 2019, 100, .	2.9	13

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91	Neutron capture cross section measurement of ^{238}U at the CERN n_TOF facility in the energy region from 1 eV to 700 keV. <i>Physical Review C</i> , 2017, 95, .	2.9	12
92	The measurement of the $^{206}\text{Pb}(n, \hat{1}^3)$ cross section and stellar implications. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 014020.	3.6	11
93	Measurement of the neutron-induced fission cross-section of ^{243}Am relative to ^{235}U from 0.5 to 20 MeV. <i>European Physical Journal A</i> , 2011, 47, 1.	2.5	11
94	Neutron-induced fission cross section of ^{237}Np in the keV to MeV range at the CERN n_TOF facility. <i>Physical Review C</i> , 2016, 93, .	2.9	11
95	Neutron measurements for advanced nuclear systems: The n_TOF project at CERN. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011, 269, 3251-3257.	1.4	10
96	Destruction of the cosmic ^{26}Al -ray emitter in massive stars: Study of the key ^{26}Al	1.9	10
97	<i>Phytophthora</i> spp. superoxide dismutase in plant trypanosomes. <i>Molecular and Biochemical Parasitology</i> , 2001, 115, 123-127.	1.1	9
98	Measurement of the neutron-induced fission cross-section of ^{241}Am at the time-of-flight facility n_TOF. <i>European Physical Journal A</i> , 2013, 49, 1.	2.5	9
99	FIRST experiment: Fragmentation of Ions Relevant for Space and Therapy. <i>Journal of Physics: Conference Series</i> , 2013, 420, 012061.	0.4	9
100	^{33}S for Neutron Capture Therapy: Nuclear Data for Monte Carlo Calculations. <i>Nuclear Data Sheets</i> , 2014, 120, 246-249.	2.2	9
101	Integral measurement of the $^{12}\text{C}(n, p)^{12}\text{B}$ reaction up to 10 GeV. <i>European Physical Journal A</i> , 2016, 52, 1.	2.5	9
102	Prospects for direct neutron capture measurements on s-process branching point isotopes. <i>European Physical Journal A</i> , 2017, 53, 1.	2.5	9
103	Measurement and analysis of the ^{241}Am neutron capture cross section at the n_TOF facility at CERN. <i>Physical Review C</i> , 2018, 97, .	2.9	9
104	Study of Photon Strength Function of Actinides: the Case of ^{235}U , ^{238}Np and ^{241}Pu . <i>Journal of the Korean Physical Society</i> , 2011, 59, 1510-1513.	0.7	9
105	Nuclear physics for the Re/Os clock. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 014015.	3.6	8
106	^{33}S as a cooperative capturer for BNCT. <i>Applied Radiation and Isotopes</i> , 2014, 88, 203-205.	1.5	8
107	Measurement of the $^{238}\text{U}(n, \hat{1}^3)$ cross section up to 80 keV with the Total Absorption Calorimeter at the CERN n_TOF facility. <i>Physical Review C</i> , 2017, 96, .	2.9	8
108	Measurement and resonance analysis of the $^{33}\text{S}(n, \hat{1}^3)$ cross section at the CERN n_TOF facility in the ener. <i>Physical Review C</i> , 2018, 97, .	2.9	8

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109	Measurement of the $^{151}\text{Sm}(n,\hat{\nu})^{152}\text{Sm}$ cross section at n_TOF. Nuclear Physics A, 2005, 758, 533-536.	1.5	7
110	Neutron capture cross section measurements for nuclear astrophysics at CERN n_TOF. Nuclear Physics A, 2005, 758, 501-504.	1.5	7
111	Neutron reactions and nuclear cosmo-chronology. Progress in Particle and Nuclear Physics, 2007, 59, 165-173.	14.4	7
112	Neutron cross-sections for next generation reactors: New data from n_TOF. Applied Radiation and Isotopes, 2010, 68, 643-646.	1.5	7
113	High accuracy $^{235}\text{U}(n,f)$ data in the resonance energy region. EPJ Web of Conferences, 2016, 111, 02003.	0.3	7
114	Measurement of the neutron capture cross section of the fissile isotope ^{235}U with the CERN n_TOF total absorption calorimeter and a fission tagging based on micromegas detectors. EPJ Web of Conferences, 2017, 146, 11021.	0.3	7
115	Investigation of the $^{240}\text{Pu}(n,\hat{\nu})^{241}\text{Pu}$ reaction at the n_TOF/CAR2 facility in the $0.1\text{ MeV} < E_n < 10\text{ MeV}$ range. Physical Review C, 2020, 102, 014607.	2.9	7
116	A level-density-dependent imaginary potential for heavy ions. Nuclear Physics A, 1985, 443, 380-396.	1.5	6
117	A dispersive optical model potential for nucleon induced reactions on ^{238}U and ^{232}Th nuclei with full coupling. EPJ Web of Conferences, 2013, 42, 02005.	0.3	6
118	Measurement of the $^{33}\text{S}(n,\hat{\nu})^{34}\text{S}$ cross-section at n_TOF(CERN): Applications to BNCT. Reports of Practical Oncology and Radiotherapy, 2016, 21, 113-116.	0.6	6
119	Extensive air shower Monte Carlo modeling at the ground and aircraft flight altitude in the South Atlantic Magnetic Anomaly and comparison with neutron measurements. Astroparticle Physics, 2017, 88, 17-29.	4.3	6
120	Destruction of the cosmic $\hat{\nu}$ -ray emitter ^{26}Al in massive stars: Study of the key $^{26}\text{Al}(n,\hat{\nu})^{27}\text{Al}$ reaction. Physical Review C, 2021, 104, .	2.9	6
121	Analysis of the angular distribution of cosmic-ray-induced particles in the atmosphere based on Monte Carlo simulations including the influence of the Earth's magnetic field. Astroparticle Physics, 2018, 97, 106-117.	4.3	5
122	Monte Carlo simulations and n-p differential scattering data measured with Proton Recoil Telescopes. EPJ Web of Conferences, 2020, 239, 01024.	0.3	5
123	Dispersive optical model description of nucleon scattering on Pb and Bi isotopes. Physical Review C, 2020, 101, .	2.9	5
124	Energy Deposition by Cosmic Rays in the Molecular Cloud Using GEANT4 Code and Voyager I Data. Astrophysical Journal, 2021, 911, 129.	4.5	5
125	Measurement of the $^{72}\text{Ge}(n,\hat{\nu})^{73}\text{Ge}$ cross section over a wide neutron energy range at the CERN n_TOF facility. Physical Review C, 2021, 103, .	2.9	5
126	Validation of Geant4 Hadronic Generators versus Thin Target Data. Journal of Physics: Conference Series, 2011, 331, 032034.	0.4	4

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127	New measurement of the $^{242}\text{Pu}(n,\hat{1}^3)$ cross section at n_TOF. EPJ Web of Conferences, 2016, 111, 02005.	0.3	4
128	Optical model with multiple band couplings using soft rotator structure. EPJ Web of Conferences, 2017, 146, 12031.	0.3	4
129	Description of nucleon scattering on ^{208}Pb by a fully Lane-consistent dispersive spherical optical model potential. EPJ Web of Conferences, 2017, 146, 12010.	0.3	4
130	Analysis of neutron bound states of ^{208}Pb by a dispersive optical model potential. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 055103.	3.6	4
131	Self-Consistent Analyses of Nuclear Level Structures, and Nucleon Interaction Data of Even-even Sn Isotopes. Journal of the Korean Physical Society, 2011, 59, 1019-1022.	0.7	4
132	Past, Present and Future of the n_TOF Facility at CERN. Journal of the Korean Physical Society, 2011, 59, 1620-1623.	0.7	4
133	Lane consistency of the dispersive coupled-channel optical model potential. , 2007, , .		4
134	Measurement of the ^{244}Cm capture cross sections at both CERN n_TOF experimental areas. EPJ Web of Conferences, 2020, 239, 01034.	0.3	4
135	Biochemical characterization of a trypanosomatid isolated from the plant <i>Amaranthus retroflexus</i> . Memorias Do Instituto Oswaldo Cruz, 2000, 95, 641-647.	1.6	3
136	Measurements at n_TOF of the Neutron Capture Cross Section of Minor Actinides Relevant to the Nuclear Waste Transmutation. AIP Conference Proceedings, 2005, , .	0.4	3
137	Neutron Capture Cross Section Measurements at n_TOF of ^{237}Np , ^{240}Pu and ^{243}Am for the Transmutation of Nuclear Waste. AIP Conference Proceedings, 2006, , .	0.4	3
138	Angular distributions of protons scattered by ^{40}Ar nuclei with excitation of the $2^+(1.46\text{ MeV})$ and $3^+(3.68\text{ MeV})$ collective levels for incident energies of 25.1, 32.5, and 40.7 MeV. Physical Review C, 2007, 75, .	2.9	3
139	Note: Measurement of resolved resonances of ^{232}Th at n_TOF. $\frac{\sigma_{\text{res}}}{\sigma_{\text{total}}} = \frac{0.784314 \text{ rgBT}}{10.262 \text{ Td}_3}$	2.9	3
140	The CERN n_TOF facility: a unique tool for nuclear data measurement. EPJ Web of Conferences, 2016, 122, 05001.	0.3	3
141	Measurement of the ^{244}Cm and ^{246}Cm neutron-induced capture cross sections at the n_TOF facility. EPJ Web of Conferences, 2019, 211, 03008.	0.3	3
142	Preliminary results on the ^{233}U capture cross section and alpha ratio measured at n_TOF (CERN) with the fission tagging technique. EPJ Web of Conferences, 2019, 211, 03007.	0.3	3
143	Simulation of Cosmic Radiation Transport Inside Aircraft for Safety Applications. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3462-3475.	4.7	3
144	A Global Dispersive Coupled-Channel Optical Model Potential for Actinides. Journal of Nuclear Science and Technology, 2008, 45, 333-340.	1.3	3

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145	Improved Neutron Capture Cross Section Measurements with the n_TOF Total Absorption Calorimeter. Journal of the Korean Physical Society, 2011, 59, 1813-1816.	0.7	3
146	Fission Cross-section Measurements of ^{233}U , ^{245}Cm and $^{241,243}\text{Am}$ at CERN n_TOF Facility. Journal of the Korean Physical Society, 2011, 59, 1912-1915.	0.7	3
147	Measurement of the ^{76}Ge cross section at the n_TOF facility at CERN. Physical Review C, 2021, 104, .	2.9	3
148	Measurements of the $^{90,91,92,94,96}\text{Zr}(n, \hat{f}^3)$ cross-sections at n_TOF. Nuclear Physics A, 2005, 758, 573-576.	1.5	2
149	The n_TOF Facility at CERN: Performances and First Physics Results. AIP Conference Proceedings, 2005, .	0.4	2
150	High-Resolution Study of ^{237}Np Fission Cross Section from 5 eV to 1 MeV. AIP Conference Proceedings, 2005, .	0.4	2
151	Neutron cross section measurements at n-TOF for ADS related studies. Journal of Physics: Conference Series, 2006, 41, 352-360.	0.4	2
152	Validation of neutrons in Geant4 using TARC data - production, interaction and transportation. , 2008, .		2
153	Improvements of preequilibrium and evaporation models in Geant4. , 2008, .		2
154	Measurements of high-energy neutron-induced fission of ^{208}Pb and ^{209}Bi . EPJ Web of Conferences, 2010, 8, 07009.	0.3	2
155	The FIRST experiment for nuclear fragmentation measurements at GSI. , 2011, .		2
156	Neutron-induced fission cross section measurement of ^{233}U , ^{241}Am and ^{243}Am in the energy range $0.5 \text{ MeV} \leq E < 20 \text{ MeV}$ at n_TOF at CERN. Physica Scripta, 2012, T150, 014005.		2
157	Present status and future programs of the n_TOF experiment. EPJ Web of Conferences, 2012, 21, 03001.	0.3	2
158	Measurements of neutron cross sections for advanced nuclear energy systems at n_TOF (CERN). EPJ Web of Conferences, 2014, 66, 10001.	0.3	2
159	Neutron Capture Reactions on Fe and Ni Isotopes for the Astrophysical s-process. Nuclear Data Sheets, 2014, 120, 201-204.	2.2	2
160	Determination of the cosmic-ray-induced neutron flux and ambient dose equivalent at flight altitude. Journal of Physics: Conference Series, 2015, 630, 012022.	0.4	2
161	A Lane consistent optical model potential for nucleon scattering on actinide nuclei with extended coupling. EPJ Web of Conferences, 2016, 111, 03004.	0.3	2
162	Towards the high-accuracy determination of the ^{238}U fission cross section at the threshold region at CERN n_TOF. EPJ Web of Conferences, 2016, 111, 02002.	0.3	2

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163	Experiments with neutron beams for the astrophysical s -process. Journal of Physics: Conference Series, 2016, 665, 012020.	0.4	2
164	Predicting the optical observables for nucleon scattering on even-even actinides. Chinese Physics C, 2017, 41, 094105.	3.7	2
165	The measurement programme at the neutron time-of-flight facility n_TOF at CERN. EPJ Web of Conferences, 2017, 146, 11002.	0.3	2
166	DOSE EFFECT OF THE $^{33}\text{S}(n, \hat{p}) ^{30}\text{Si}$ REACTION IN BNCT USING THE NEW n_TOF-CERN DATA. Radiation Protection Dosimetry, 2018, 180, 342-345.	0.8	2
167	Study of the photon strength functions and level density in the gamma decay of the $n + ^{234}\text{U}$ reaction. EPJ Web of Conferences, 2019, 211, 02002.	0.3	2
168	Neutron capture measurement at the n_TOF facility of the ^{204}Tl and ^{205}Tl s-process branching points. Journal of Physics: Conference Series, 2020, 1668, 012005.	0.4	2
169	Preliminary results on the ^{233}U \hat{p} -ratio measurement at n_TOF. EPJ Web of Conferences, 2020, 239, 01043.	0.3	2
170	Neutron Capture Measurements on Minor Actinides at the n_TOF Facility at CERN: Past, Present and Future. Journal of the Korean Physical Society, 2011, 59, 1809-1812.	0.7	2
171	$^{237}\text{Np}(n, f)$ Cross Section: New Data and Present Status. Journal of the Korean Physical Society, 2011, 59, 1908-1911.	0.7	2
172	Study of photon strength functions of ^{241}Pu and ^{245}Cm from neutron capture measurements. EPJ Web of Conferences, 2020, 239, 01015.	0.3	2
173	Measurement of the $^{237}\text{Np}(n, f)$ cross section at the CERN n_TOF facility. Journal of Physics: Conference Series, 2011, 312, 012005.	0.3	2
174	Neutron Capture Cross Sections for the Re/Os Clock. AIP Conference Proceedings, 2005, , .	0.4	1
175	GEANT4 Application for the Simulation of the Head of a Siemens Primus Linac. AIP Conference Proceedings, 2010, , .	0.4	1
176	SEU Threshold model and its experimental verification. , 2011, , .		1
177	The $^{237}\text{Np}(n, f)$ cross section at the CERN n_TOF facility. , 2011, , .		1
178	The Neutron Time-Of-Flight Facility n_TOF At CERN: Phase II. , 2011, , .		1
179	Output factor determination for dose measurements in axial and perpendicular planes using a silicon strip detector. Physical Review Special Topics: Accelerators and Beams, 2012, 15, .	1.8	1
180	THE LATEST ON NEUTRON-INDUCED CAPTURE AND FISSION MEASUREMENTS AT THE CERN n_TOF FACILITY. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
181	Angular distribution in the neutron-induced fission of actinides. EPJ Web of Conferences, 2013, 62, 08003.	0.3	1
182	The nucleosynthesis of heavy elements in Stars: the key isotope ^{25}Mg . EPJ Web of Conferences, 2014, 66, 07016.	0.3	1
183	$^{238}\text{U}(n, \hat{p}^3)$ reaction cross section measurement with C6D6 detectors at the n_TOF CERN facility.. EPJ Web of Conferences, 2014, 66, 03061.	0.3	1
184	Influence of clouds on the cosmic radiation dose rate on aircraft. Radiation Protection Dosimetry, 2014, 161, 279-283.	0.8	1
185	Current quests in nucleosynthesis: present and future neutron-induced reaction measurements. EPJ Web of Conferences, 2014, 66, 07022.	0.3	1
186	The Nuclear Astrophysics program at n_TOF (CERN). EPJ Web of Conferences, 2017, 165, 01014.	0.3	1
187	The ^{236}U neutron capture cross-section measured at the n_TOF CERN facility. EPJ Web of Conferences, 2017, 146, 11054.	0.3	1
188	New measurement of the $^{242}\text{Pu}(n, \hat{p}^3)$ cross section at n_TOF-EAR1 for MOX fuels: Preliminary results in the RRR. EPJ Web of Conferences, 2017, 146, 11045.	0.3	1
189	Saturation of coupling of collective levels in optical model calculations of even-even actinides. EPJ Web of Conferences, 2017, 146, 12013.	0.3	1
190	Measurement of the ^{241}Am neutron capture cross section at the n_TOF facility at CERN. EPJ Web of Conferences, 2017, 146, 11022.	0.3	1
191	Maxwellian Neutron Spectrum generation and Stellar Cross-Section measurements: measurement of the $^{197}\text{Au}(n, \hat{i}^3)$ MACS.. Journal of Physics: Conference Series, 2018, 940, 012044.	0.4	1
192	Measurement of the radiative capture cross section of the s-process branching points ^{204}Tl and ^{171}Tm at the n_TOF facility (CERN). EPJ Web of Conferences, 2018, 178, 03004.	0.3	1
193	Improved $^{242}\text{Pu}(n, \gamma)$ thermal cross section combining activation and prompt gamma analysis. European Physical Journal A, 2019, 55, 1. Measurement of the \hat{i}^3 ratio and	2.5	1
194	cross section of \hat{i}^3		
195	Review and new concepts for neutron-capture measurements of astrophysical interest. Journal of Physics: Conference Series, 2020, 1668, 012013.	0.4	1
196	Nucleon scattering analysis with a lane-consistent dispersive optical potential for Hf, W and Ta isotopes. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 075101.	3.6	1
197	An impact of Jacques Raynal on nuclear data evaluation. European Physical Journal A, 2021, 57, 1.	2.5	1
198	Nuclear Data for the Thorium Fuel Cycle and the Transmutation of Nuclear Waste. , 2016, , 207-214.		1

#	ARTICLE	IF	CITATIONS
199	Constraints on the dipole photon strength for the odd uranium isotopes. Physical Review C, 2022, 105, .	2.9	1
200	New Measurement of the Capture Cross Section of Bismuth and Lead Isotopes. AIP Conference Proceedings, 2005, , .	0.4	0
201	Measurement of the ^{232}Th Neutron Capture Cross Section at the CERN n_TOF Facility. AIP Conference Proceedings, 2005, , .	0.4	0
202	Measurement of Capture Cross Sections of $^{90,91,92,94,96}\text{Zr}$ Isotopes at n_TOF. AIP Conference Proceedings, 2005, , .	0.4	0
203	Measurement of $^{139}\text{La}(n,\hat{\gamma}^3)$ Cross Section. AIP Conference Proceedings, 2006, , .	0.4	0
204	Measurement of the resonance capture cross section of $^{204,206}\text{Pb}$ and termination of the s-process. AIP Conference Proceedings, 2006, , .	0.4	0
205	Measurement of $^{139}\text{La}(n,\hat{\gamma}^3)$ Cross Section at n_TOF. AIP Conference Proceedings, 2006, , .	0.4	0
206	Implications of $^{151}\text{Sm}(n,\hat{\gamma}^3)$ Cross Section at n_TOF. AIP Conference Proceedings, 2006, , .	0.4	0
207	Measurements of neutron capture cross-sections at n_TOF. AIP Conference Proceedings, 2007, , .	0.4	0
208	Measurement of the Neutron Induced Fission Cross Section on Transuranic (TRU) Elements at the n_TOF Facility at CERN. AIP Conference Proceedings, 2007, , .	0.4	0
209	Recent Results at n_TOF and Future Perspectives. AIP Conference Proceedings, 2008, , .	0.4	0
210	n_TOF Experiment: Past, Present And Future. , 2009, , .		0
211	Neutron Capture Measurements at the n_TOF Facility. , 2009, , .		0
212	Fission cross-section measurements on ^{233}U and minor actinides at the CERN n_TOF facility. , 2009, , .		0
213	Forthcoming (n, $\hat{\gamma}^3$) measurements on the Fe and Ni isotopes at CERN n_TOF. Journal of Physics: Conference Series, 2010, 202, 012026.	0.4	0
214	Description of analyzing power and (p,n) reaction by a global dispersive coupled-channel optical model potential. , 2010, , .		0
215	ASTROPHYSICS AT n_TOF FACILITY. , 2010, , .		0
216	Study of Neutron-Induced Fission Cross Sections of U, Am, and Cm at n_TOF. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
217	Astrophysics at n_TOF Facility at CERN. Journal of Physics: Conference Series, 2011, 312, 042024.	0.4	0
218	The KENTROS detector for identification and kinetic energy measurements of nuclear fragments at polar angles between 5 and 90 degrees. , 2012, , .		0
219	Neutron research at the N_TOF facility (CERN): Results and perspectives. , 2013, , .		0
220	Radia2: A new tool for radiotherapy verification. , 2013, , .		0
221	Experimental neutron capture data of ^{58}Ni from the CERN n_TOF facility. EPJ Web of Conferences, 2015, 93, 02009.	0.3	0
222	First Measurement of $^{72}\text{Ge}(n, \hat{\gamma}^3)$ at n_TOF. EPJ Web of Conferences, 2018, 184, 02005.	0.3	0
223	Measurement and analysis of $^{155,157}\text{Gd}(n, \hat{\gamma}^3)$ from thermal energy to 1 keV. EPJ Web of Conferences, 2020, 239, 01041.	0.3	0
224	Measurement of the $^{235}\text{U}(n, f)$ cross section at n_TOF from thermal to 170 keV. International Journal of Modern Physics Conference Series, 2020, 50, 2060011.	0.7	0
225	High-energy Neutron-induced Fission Cross Sections of Natural Lead and Bismuth-209. Journal of the Korean Physical Society, 2011, 59, 1904-1907.	0.7	0
226	The Role of Fe and Ni for S-Process Nucleosynthesis and Innovative Nuclear Technologies. Journal of the Korean Physical Society, 2011, 59, 2106-2109.	0.7	0
227	Characterization of the New n_TOF Neutron Beam: Fluence, Profile and Resolution. Journal of the Korean Physical Society, 2011, 59, 1624-1627.	0.7	0
228	THE Am-243 NEUTRON CAPTURE MEASUREMENT AT THE n_TOF FACILITY. , 2013, , .		0
229	Geant4 Simulations for the Analysis of $(n, \gamma \hat{\gamma}^3)$ Measurements at n_TOF. Springer Proceedings in Physics, 2016, , 209-210.	0.2	0
230	Measurement of the ^{244}Cm and ^{246}Cm Neutron-Induced Cross Sections at the n_TOF Facility. Springer Proceedings in Physics, 2019, , 117-122.	0.2	0
231	$^{7}\text{Be}(n, p)^{7}\text{Li}$ Cross Section Measurement for the Cosmological Lithium Problem at the n_TOF Facility at CERN. Springer Proceedings in Physics, 2019, , 25-32.	0.2	0
232	First results of the $^{230}\text{Th}(n, f)$ cross section measurements at the CERN n_TOF facility. EPJ Web of Conferences, 2020, 239, 05004.	0.3	0
233	Accurate measurement of the standard $^{235}\text{U}(n, f)$ cross section from thermal to 170 keV neutron energy. EPJ Web of Conferences, 2020, 239, 08002.	0.3	0
234	Measurement of the $^{242}\text{Pu}(n, \hat{\gamma}^3)$ cross section from thermal to 500 keV at the Budapest research reactor and CERN n_TOF-EAR1 facilities. EPJ Web of Conferences, 2020, 239, 01019.	0.3	0

#	ARTICLE	IF	CITATIONS
235	The ^{154}Gd neutron capture cross section measured at the n_TOF facility and its astrophysical implications. EPJ Web of Conferences, 2020, 239, 07003.	0.3	0
236	Measurement of the energy-differential cross-section of the $^{12}\text{C}(n,p)^{12}\text{B}$ and $^{12}\text{C}(n,d)^{11}\text{B}$ reactions at the n_TOF facility at CERN. EPJ Web of Conferences, 2020, 239, 01045.	0.3	0
237	First results of the $^{241}\text{Am}(n,f)$ cross section measurement at the Experimental Area 2 of the n_TOF facility at CERN. EPJ Web of Conferences, 2020, 239, 05014.	0.3	0
238	First $^{80}\text{Se}(n,\gamma)^{81}\text{Se}$ cross section measurement with high resolution in the full stellar energy range 1 eV - 100 keV and its astrophysical implications for the s-process. EPJ Web of Conferences, 2022, 260, 11026.	0.3	0