Miguel A Cortes-Giraldo

List of Publications by Year
in descending order

177 papers	4,414 citations	257101 24 h-index	114278 63 g-index
194 all docs	194 docs citations	194 times ranked	8678 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.	0.7	2,327
2	Performance of the neutron time-of-flight facility n_TOF at CERN. European Physical Journal A, 2013, 49, 1.	1.0	205
3	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Be</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>7</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mrow><mml:mi>n</mml:mi></mml:mrow><mml:mo>,</mml:mo><mml:mrow><mml:mi>Î±</mml:mi>	2.9	94
4	Report on G4â€Med, a Geant4 benchmarking system for medical physics applications developed by the Geant4 Medical Simulation Benchmarking Group. Medical Physics, 2021, 48, 19-56.	1.6	92
5	A critical study of different Monte Carlo scoring methods of dose average linear-energy-transfer maps calculated in voxelized geometries irradiated with clinical proton beams. Physics in Medicine and Biology, 2015, 60, 2645-2669.	1.6	91
6	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.	0.7	82
7	High-accuracy determination of the neutron flux at n_TOF. European Physical Journal A, 2013, 49, 1.	1.0	71
8	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Be</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>7</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo stretchy="false">(</mml:mo><mml:mi>n</mml:mi><mml:mo>,</mml:mo><mml:mi>p</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock	2.9	58
9	Neutron Capture Cross Section of Unstable<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Ni</mml:mi><mml:mprescripts /><mml:none /><mml:mn>63</mml:mn></mml:mmultiscripts></mml:math>: Implications for Stellar Nucleosynthesis. Physical Review Letters, 2013, 110, 022501.	2.9	44
10	High-accuracy determination of the neutron flux in the new experimental area n_TOF-EAR2 at CERN. European Physical Journal A, 2017, 53, 1.	1.0	41
11	Signature of a strong coupling with the continuum in 11Be + 120Sn scattering at the Coulomb barrier. European Physical Journal A, 2009, 42, 461.	1.0	34
12	Neutron spectroscopy of 26Mg states: Constraining the stellar neutron source 22Ne(Î±,n)25Mg. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 1-6.	1.5	32
13	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Ni</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>62</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq1 1 0.784314 rgBT /O	1.1	31
14	and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Ni</mml:mi><mml:mprescripts /><mml:none /> Physical Review C, 2014, 89, . 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.	0.7	31
15	The FIRST experiment at GSI. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 678, 130-138.	0.7	30
16	Fragmentation of 120 and 200 MeV u^{â^'1}⁴He ions in water and PMMA targets. Physics in Medicine and Biology, 2017, 62, 1310-1326.	1.6	29
17	Experimental neutron capture data of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow /><mml:mn>58</mml:mn></mml:msup></mml:math>Ni from the CERN n_TOF facility. Physical Review C, 2014, 89, .	1.1	28
18	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.	0.7	28

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19	Analytical calculation of proton linear energy transfer in voxelized geometries including secondary protons. Physics in Medicine and Biology, 2016, 61, 1705-1721.	1.6	27
20	A new CVD diamond mosaic-detector for (n, <mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 717 Td (xmlns:mml="http://www.w3.org/ at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 190-194.	0.7	26
21	Nuclear data activities at the n_TOF facility at CERN. European Physical Journal Plus, 2016, 131, 1.	1.2	26
22	Measurement and analysis of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Am</mml:mi><mml:mprescripts /><mml:none /><mml:mn>241</mml:mn></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 617 Td (xmlns:mml="http://www.	1.1	25
23	GEANT4 simulations of the n_TOF spallation source and their benchmarking. European Physical Journal A, 2015, 51, 1.	1.0	24
24	High-accuracy determination of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>238</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo></mml:mo><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>235</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>fission Cross section measurements of 155,157Gd(n,$gamma$Î³) induced by thermal and epithermal neutrons. European Physical Journal A, 2019, 55, 1.	1.1	24
25		1.0	23
26	An implementation to read and write IAEA phase-space files in GEANT4-based simulations. International Journal of Radiation Biology, 2012, 88, 200-208.	1.0	22
27	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.	0.7	21
28	Radiative neutron capture on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pu</mml:mi><mml:mprescripts /><mml:none /><mml:mn>242</mml:mn></mml:mmultiscripts></mml:math> in the resonance region at the CERN n_TOF-EAR1 facility. Physical Review C, 2018, 97, .	1.1	21
29	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:math> -Process Branching Point <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Tm</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>171</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>	2.9	21
30	3D cylindrical silicon microdosimeters: fabrication, simulation and charge collection study. Journal of Instrumentation, 2015, 10, P10001-P10001.	0.5	20
31	Measurement of fragmentation cross sections ofC12ions on a thin gold target with the FIRST apparatus. Physical Review C, 2016, 93, .	1.1	20
32	Measurement of the 235U(n, f) cross section relative to the 6Li(n, t) and 10B(n,$ alpha$) standards from thermal to 170 keV neutron energy range at n_TOF. European Physical Journal A, 2019, 55, 1.	1.0	20
33	Segmentâ€averaged LET concept and analytical calculation from microdosimetric quantities in proton radiation therapy. Medical Physics, 2019, 46, 4204-4214.	1.6	20
34	Simultaneous measurement of neutron-induced capture and fission reactions at CERN. European Physical Journal A, 2012, 48, 1.	1.0	19
35	Recent Developments in Pre-Equilibrium and De-Excitation Models in Geant4. Progress in Nuclear Science and Technology, 2011, 2, 936-941.	0.3	19
36	Doseâ€averaged LET calculation for proton track segments using microdosimetric Monte Carlo simulations. Medical Physics, 2019, 46, 4184-4192.	1.6	18

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37	Silicon-based three-dimensional microstructures for radiation dosimetry in hadrontherapy. Applied Physics Letters, 2015, 107, .	1.5	17
38	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.	1.0	16
39	Geant4 simulation of the n_TOF-EAR2 neutron beam: Characteristics and prospects. European Physical Journal A, 2016, 52, 1.	1.0	15
40	Dosimetric response of radiochromic films to protons of low energies in the Bragg peak region. Physical Review Accelerators and Beams, 2016, 19, .	0.6	15
41	Performance of upstream interaction region detectors for the FIRST experiment at GSI. Journal of Instrumentation, 2012, 7, P02006-P02006.	0.5	14
42	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.	0.7	14
43	Measurement of the12C(n,p)12Bcross section at n_TOF at CERN by in-beam activation analysis. Physical Review C, 2014, 90, .	1.1	14
44	The (n, Î±) Reaction in the s-process Branching Point 59Ni. Nuclear Data Sheets, 2014, 120, 208-210.	0.7	14
45	Fission Fragment Angular Distribution measurements of235U and238U at CERN n_TOF facility. EPJ Web of Conferences, 2016, 111, 10002.	0.1	14
46	Experimental setup and procedure for the measurement of theÂ7Be(n,p)7Li reaction at n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 887, 27-33.	0.7	14
47	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.	0.7	13
48	Progress in Geant4 Electromagnetic Physics Modelling and Validation. Journal of Physics: Conference Series, 2015, 664, 072021.	0.3	13
49	On the role of secondary pions in spallation targets. European Physical Journal A, 2017, 53, 1.	1.0	13
50	Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Ge</mml:mi><mml:mprescripts /><mml:none /><mml:mn>70</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>n</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi></mml: cross section up to 300 keV at the CERN n_TOF facility. Physical Review C, 2019, 100, .	1.1	13
51	On the concepts of dose-mean lineal energy, unrestricted and restricted dose-averaged LET in proton therapy. Physics in Medicine and Biology, 2020, 65, 075011.	1.6	13
52	Neutron capture cross section measurement ofU238at the CERN n_TOF facility in the energy region from 1 eV to 700 keV. Physical Review C, 2017, 95, .	1.1	12
53	Measurement of the 154Gd(n,Î³) cross section and its astrophysical implications. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 804, 135405.	1.5	12
54	Measurement of 73Ge(n,Î³) cross sections and implications for stellar nucleosynthesis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 458-465.	1.5	11

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55	A kernelâ€based algorithm for the spectral fluence of clinical proton beams to calculate doseâ€averaged LET and other dosimetric quantities of interest. Medical Physics, 2020, 47, 2495-2505.	1.6	11
56	Neutron measurements for advanced nuclear systems: The n_TOF project at CERN. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 3251-3257.	0.6	10
57	Feasibility Study of a Proton Irradiation Facility for Radiobiological Measurements at an 18 MeV Cyclotron. Instruments, 2018, 2, 26.	0.8	10
58	Destruction of the cosmic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math> -ray emitter <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Al</mml:mi><mml:mprescripts /><mml:none /><mml:mn>26</mml:mn></mml:mmultiscripts></mml:math> in massive stars: Study of the key <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Al</	1.1	10
59	FIRST experiment: Fragmentation of Ions Relevant for Space and Therapy. Journal of Physics: Conference Series, 2013, 420, 012061.	0.3	9
60	Integral measurement of the 12C(n, p)12B reaction up to 10 GeV. European Physical Journal A, 2016, 52, 1.	1.0	9
61	Measurement and analysis of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Am</mml:mi><mml:mprescripts /><mml:none /><mml:mn>241</mml:mn></mml:mmultiscripts></mml:math>neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2018, 97, .	1.1	9
62	An Analytical Microdosimetric Model for Radioimmunotherapeutic Alpha Emitters. Radiation Research, 2020, 194, 403-410.	0.7	9
63	Monte Carlo Methods to Model Radiation Interactions and Induced Damage. Biological and Medical Physics Series, 2012, , 203-225.	0.3	8
64	Measurement of the U238(n,Î³) cross section up to 80 keV with the Total Absorption Calorimeter at the CERN n_TOF facility. Physical Review C, 2017, 96, .	1.1	8
65	Measurement and resonance analysis of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">S</mml:mi><mml:mprescripts /><mml:none /><mml:mn>33</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>n</mml:mi><mml:mo>,</mml:mo><mml:mi>Î±</mml:mi><mml:mmultiscripts><mml:mi /><mml:mprescripts /><mml:none /><mml:mn>30</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> cross section at the CERN n_TOF facility in the ener. Physical Review C, 2018, 97, .	1.1	8
66	Calculation of clinical dose distributions in proton therapy from microdosimetry. Medical Physics, 2019, 46, 5816-5823.	1.6	8
67	Implementation of the microdosimetric kinetic model using analytical microdosimetry in a treatment planning system for proton therapy. Physica Medica, 2021, 81, 69-76.	0.4	8
68	Preparation of a radiobiology beam line at the 18ÂMeV proton cyclotron facility at CNA. Physica Medica, 2020, 74, 19-29.	0.4	8
69	The PENELOPE Physics Models and Transport Mechanics. Implementation into Geant4. Frontiers in Physics, 2021, 9, .	1.0	8
70	Measurement of the neutron capture cross section of the fissile isotope 235U with the CERN n_TOF total absorption calorimeter and a fission tagging based on micromegas detectors. EPJ Web of Conferences, 2017, 146, 11021.	0.1	7
71	Parameterising microdosimetric distributions of mono-energetic proton beams for fast estimates of y _D and y*. Biomedical Physics and Engineering Express, 2019, 5, 045014.	0.6	7
72	Investigation of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Pu</mml:mi><mml:mprescripts /><mml:none /><mml:mn>240</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>n</mml:mi><mml:mo>,</mml:mo><mml:mi>f</mml reaction at the n_TOF/EAR2 facility in the 9 meVâ€“6 MeV range. Physical Review C, 2020, 102, .	1.1	7

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73	Dosimetric impact assessment using a general algorithm in geant4 simulations for a complex-shaped multileaf collimator. Physica Medica, 2017, 41, 39-45.	0.4	6
74	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.	1.9	6
75	Measurement of the240Pu(n,f) cross-section at the CERN n_TOF facility: First results from experimental area II (EAR-2). EPJ Web of Conferences, 2017, 146, 04030.	0.1	6
76	EBT3 film calibration in the Bragg peak region for proton beams below 5â€¯MeV. Nuclear Instruments & Methods in Physics Research B, 2019, 444, 117-124.	0.6	6
77	Destruction of the cosmic Î³ -ray emitter Al26 in massive stars: Study of the key Al26(n,Î±) reaction. Physical Review C, 2021, 104, .	1.1	6
78	Microdosimetry and Dose-Averaged LET Calculations of Protons in Liquid Water: A Novel Geant4-DNA Application. Frontiers in Physics, 2021, 9, .	1.0	6
79	Characterizing Radiation Effectiveness in Ion-Beam Therapy Part II: Microdosimetric Detectors. Frontiers in Physics, 2020, 8, .	1.0	6
80	Simulation of the response of a PIPS detector using GEANT4 code. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 875, 21-26.	0.7	5
81	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.	1.9	5
82	Monte Carlo simulations and n-p differential scattering data measured with Proton Recoil Telescopes. EPJ Web of Conferences, 2020, 239, 01024.	0.1	5
83	Experimental validation of an analytical microdosimetric model based on Geant4-DNA simulations by using a silicon-based microdosimeter. Radiation Physics and Chemistry, 2020, 176, 109060.	1.4	5
84	Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow /><mml:mn>72</mml:mn></mml:msup><mml:mi>Ge</mml:mi><mml:mn>(</mml:mn><mml:mrow><mml:mi>n</mml:mi><mml:mo>,<... cross section over a wide neutron energy range at the CERN n_TOF facility. Physical Review C, 2021, 103, .	1.1	5
85	New measurement of the242Pu(n,Î³) cross section at n_TOF. EPJ Web of Conferences, 2016, 111, 02005.	0.1	4
86	First Results of the 140Ce(n,Î³)141Ce Cross-Section Measurement at n_TOF. Universe, 2021, 7, 200.	0.9	4
87	Past, Present and Future of the n_TOF Facility at CERN. Journal of the Korean Physical Society, 2011, 59, 1620-1623.	0.3	4
88	Measurement of the²⁴⁴Cm capture cross sections at both CERN n_TOF experimental areas. EPJ Web of Conferences, 2020, 239, 01034.	0.1	4
89	Setup for the measurement of the 235U(n, f) cross section relative to n-p scattering up to 1 GeV. EPJ Web of Conferences, 2020, 239, 01008.	0.1	4
90	The CERN n_TOF facility: a unique tool for nuclear data measurement. EPJ Web of Conferences, 2016, 122, 05001.	0.1	3

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91	LabVIEW-based control and acquisition system for the dosimetric characterization of a silicon strip detector. Review of Scientific Instruments, 2017, 88, 025104.	0.6	3
92	Dissemination of data measured at the CERN n_TOF facility. EPJ Web of Conferences, 2017, 146, 07002.	0.1	3
93	The³³S(n,Î±)³⁰Si cross section measurement at n_TOF-EAR2 (CERN): From 0.01 eV to the resonance region. EPJ Web of Conferences, 2017, 146, 08004.	0.1	3
94	Measurement of the 244Cm and 246Cm neutron-induced capture cross sections at the n_TOF facility. EPJ Web of Conferences, 2019, 211, 03008.	0.1	3
95	Preliminary results on the 233U capture cross section and alpha ratio measured at n_TOF (CERN) with the fission tagging technique. EPJ Web of Conferences, 2019, 211, 03007.	0.1	3
96	Simulation of Cosmic Radiation Transport Inside Aircraft for Safety Applications. IEEE Transactions on Aerospace and Electronic Systems, 2020, 56, 3462-3475.	2.6	3
97	Status and perspectives of the neutron time-of-flight facility n_TOF at CERN. EPJ Web of Conferences, 2020, 239, 17001.	0.1	3
98	Geant4 Simulation to Study the Sensitivity of a MICRON Silicon Strip Detector Irradiated by a SIEMENS PRIMUS Linac. Progress in Nuclear Science and Technology, 2011, 2, 191-196.	0.3	3
99	Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Ge</mml:mi><mml:mprescripts /><mml:none /><mml:mn>76</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>n</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi> cross section at the n_TOF facility at CERN. Physical Review C, 2021, 104, .	1.1	3
100	Improvements of preequilibrium and evaporation models in Geant4. , 2008, , .		2
101	The FIRST experiment for nuclear fragmentation measurements at GSI. , 2011, , .		2
102	Present status and future programs of the n_TOF experiment. EPJ Web of Conferences, 2012, 21, 03001.	0.1	2
103	Measurements of neutron cross sections for advanced nuclear energy systems at n_TOF (CERN). EPJ Web of Conferences, 2014, 66, 10001.	0.1	2
104	Neutron Capture Reactions on Fe and Ni Isotopes for the Astrophysical s-process. Nuclear Data Sheets, 2014, 120, 201-204.	0.7	2
105	Determination of the cosmic-ray-induced neutron flux and ambient dose equivalent at flight altitude. Journal of Physics: Conference Series, 2015, 630, 012022.	0.3	2
106	Towards the high-accuracy determination of the238U fission cross section at the threshold region at CERN â€“ n_TOF. EPJ Web of Conferences, 2016, 111, 02002.	0.1	2
107	Experiments with neutron beams for the astrophysicalsprocess. Journal of Physics: Conference Series, 2016, 665, 012020.	0.3	2
108	Abstract ID: 196 Relation between dose average linear energy transfer and dose mean lineal energy calculated for proton therapy beams off axis: A study with the Geant4 toolkit.. Physica Medica, 2017, 42, 42-43.	0.4	2

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109	Neutron Capture Cross Sections of the s-Process Branching Points ¹⁴⁷Pm, ¹⁷¹Tm, and ²⁰⁴Tl. , 2017, , .		2
110	The measurement programme at the neutron time-of-flight facility n_TOF at CERN. EPJ Web of Conferences, 2017, 146, 11002.	0.1	2
111	Preparation and characterization ofÂ33S samples forÂ33S(n,<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 677 Td (xmln:r facility at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 880, 142-147.	0.7	2
112	Study of the photon strength functions and level density in the gamma decay of the n + 234U reaction. EPJ Web of Conferences, 2019, 211, 02002.	0.1	2
113	Neutron capture measurement at the n TOF facility of the 204Tl and 205Tl s-process branching points. Journal of Physics: Conference Series, 2020, 1668, 012005.	0.3	2
114	A compact fission detector for fission-tagging neutron capture experiments with radioactive fissile isotopes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 969, 163981.	0.7	2
115	Preliminary results on the 233U Î±-ratio measurement at n_TOF. EPJ Web of Conferences, 2020, 239, 01043.	0.1	2
116	Evaluation of the Effects of Gamma Irradiation from a 9Be Neutron Source in Digital ASICâ€™s with GEANT4. Progress in Nuclear Science and Technology, 2011, 2, 568-575.	0.3	2
117	Study of photon strength functions of241Pu and245Cm from neutron capture measurements. EPJ Web of Conferences, 2020, 239, 01015.	0.1	2
118	Neutron capture cross section measurements of ²⁴¹Am at the n_TOF facility. EPJ Web of Conferences, 2020, 239, 01009.	0.1	2
119	GEANT4 Application for the Simulation of the Head of a Siemens Primus Linac. AIP Conference Proceedings, 2010, , .	0.3	1
120	SEU Threshold model and its experimental verification. , 2011, , .		1
121	The Neutron Time-Of-Flight Facility nÌ±TOF At CERN: Phase II. , 2011, , .		1
122	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
123	Angular distribution in the neutron-induced fission of actinides. EPJ Web of Conferences, 2013, 62, 08003.	0.1	1
124	The nucleosynthesis of heavy elements in Stars: the key isotope25Mg. EPJ Web of Conferences, 2014, 66, 07016.	0.1	1
125	238U(n,Î³) reaction cross section measurement with C6D6detectors at the n_TOF CERN facility.. EPJ Web of Conferences, 2014, 66, 03061.	0.1	1
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