Rene Reifarth

List of Publications by Year
in descending order

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361 papers	7,115 citations	53794 45 h-index	102487 66 g-index

379 all docs	379 docs citations	379 times ranked	2848 citing authors

#	Article	IF	Citations
1	Performance of the neutron time-of-flight facility n_TOF at CERN. European Physical Journal A, 2013, 49, 1.	2.5	205
2	Measurement of the Dipole Polarizability of the Unstable Neutron-Rich Nucleus<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>68</mml:mn></mml:mmultiscripts></mml:math>. Physical Review Letters, 2013, 111, 242503.	7.8	155
3	Pulse shape analysis of liquid scintillators for neutron studies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 490, 299-307.	1.6	147
4	Neutron reactions in astrophysics. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 053101.	3.6	129
5	A detector for (n,Î³) cross-section measurements at a spallation neutron source. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 459, 229-246.	1.6	124
6	An optimized C6D6 detector for studies of resonance-dominated (n,Î³) cross-sections. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 496, 425-436.	1.6	117
7	<i>r</i>-process nucleosynthesis: connecting rare-isotope beam facilities with the cosmos. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 083001.	3.6	115
8	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
9	Storage ring at HIE-ISOLDE. European Physical Journal: Special Topics, 2012, 207, 1-117.	2.6	101
10	Physics book: CRYRING@ESR. European Physical Journal: Special Topics, 2016, 225, 797-882.	2.6	101
11	The<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mn /><mml:mrow><mml:mn>13</mml:mn></mml:mrow></mml:msup><mml:mi>C</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>Î±</mml:mi><mml:mo>,</mml:mo><mml:mi>n</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT	2.9	100
12	<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:m	7.8	94
13	Beyond the neutron drip line: The unbound oxygen isotopes<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>25</mml:mn></mml:msup></mml:math>O and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>26</mml:mn></mml:msup></mml:math>O. Physical Review C, 2013, 88, .	2.9	93
14	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
15	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
16	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
17	Lithium isotopes beyond the drip line. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 430-434.	4.1	79
18	Background identification and suppression for the measurement of (n,Î³) reactions with the DANCE array at LANSCE. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 531, 530-543.	1.6	76

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19	Stellar(n,Î³)Cross Section ofNi62. Physical Review Letters, 2005, 94, 092504.	7.8	72
20	Neutron-induced fission cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>234</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Np</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>237</mml:	2.9	72
21	High-accuracy determination of the neutron flux at n_TOF. European Physical Journal A, 2013, 49, 1.	2.5	71
22	Quasifree (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 642 Td (display="in Reactions on Oxygen Isotopes: Observation of Isospin Independence of the Reduced Single-Particle	7.8	69
23	display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Au</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>197</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq1 1 0.784314 rgBT /Ov	2.9	68
24	Neutron Capture Cross Section Measurement ofSm151at the CERN Neutron Time of Flight Facility (n_TOF). Physical Review Letters, 2004, 93, 161103.	7.8	65
25	Evidence forM1Scissors Resonances Built on the Levels in the Quasicontinuum ofDy163. Physical Review Letters, 2004, 92, 172501.	7.8	64
26	The unbound isotopes 9,10He. Nuclear Physics A, 2010, 842, 15-32.	1.5	64
27	Neutron capture cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Am</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>241</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>. Physical Review C, 2008, 78, .	2.9	63
28	The production of proton-rich isotopes beyond iron: The Î³-process in stars. International Journal of Modern Physics E, 2016, 25, 1630003.	1.0	63
29	Stellar Neutron Capture on Promethium: Implications for thesâ€Process Neutron Density. Astrophysical Journal, 2003, 582, 1251-1262.	4.5	62
30	Nuclear physics experiments with ion storage rings. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 603-616.	1.4	60
31	<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 ETQq1 1 0.784314 rgBT /	7.8	58
32	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Au</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>197</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10	2.9	55
33	Resonance neutron-capture cross sections of stable magnesium isotopes and their astrophysical implications. Physical Review C, 2012, 85, .	2.9	55
34	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
35	Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Fe</mml:mi><mml:mprescripts /><mml:none /><mml:mn>60</mml:mn></mml:mmultiscripts><mml:mo stretchy="false">(</mml:mo><mml:mi>n</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi><mml:msup><mml:mo) Tj ETQq1 1 0.7	7.8	52
36	PINOâ€”a tool for simulating neutron spectra resulting from the 7Li(p,n) reaction. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, 139-143.	1.6	52

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37	GEANT4 simulations of the DANCE array. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 1117-1121.	1.4	51
38	The<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">C</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>14</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10	2.9	51
39	Properties of the 7He ground state from 8He neutron knockout. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 679, 191-196.	4.1	50
40	Measurements of neutron-induced reactions in inverse kinematics. Physical Review Special Topics: Accelerators and Beams, 2014, 17, .	1.8	50
41	First measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Ru</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>96</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mrow><mml:mi>p</mml:mi> <mml:mi mathvariant="normal">Rh</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>97</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>cross sec.	2.9	49
42	Physic Î±- and neutron-induced reactions on ruthenium isotopes. Physical Review C, 2002, 66, .	2.9	47
43	Three-body correlations in the decay of 10He and 13Li. Nuclear Physics A, 2010, 847, 66-88.	1.5	47
44	Remnants and ejecta of thermonuclear electron-capture supernovae. Astronomy and Astrophysics, 2019, 622, A74.	5.1	47
45	Acquisition-analysis system for the DANCE (detector for advanced neutron capture experiments) BaF/sub 2/ gamma-ray calorimeter. IEEE Transactions on Nuclear Science, 2006, 53, 880-885.	2.0	46
46	New measurement of neutron capture resonances inBi209. Physical Review C, 2006, 74, .	2.9	46
47	Neutron capture cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>90</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>: Bottleneck in the<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 reaction flow.	2.9	44
48	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.	7.8	44
49	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
50	Direct measurements of neutron capture on radioactive isotopes. Atomic Data and Nuclear Data Tables, 2007, 93, 807-830.	2.4	41
51	New Precision Measurements of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="bold">U</mml:mi><mml:mprescripts /><mml:none /><mml:mn>235</mml:mn></mml:mmultiscripts><mml:mo stretchy="false">(</mml:mo><mml:mi>n</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgB	7.8	41
52	Exclusive measurements of quasi-free proton scattering reactions in inverse and complete kinematics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 204-210.	4.1	41
53	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
54	Neutron-induced cross sections. European Physical Journal Plus, 2018, 133, 1.	2.6	41

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55	The<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>93</mml:mn></mml:msup></mml:math>Zr(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td (xmlns:mml reaction up to 8 keV neutron energy. Physical Review C, 2013, 87, .	2.9	39
56	Approaching the Gamow Window with Stored Ions: Direct Measurement of Xe124(p,Î³) in the ESR Storage Ring. Physical Review Letters, 2019, 122, 092701.	7.8	38
57	Neutron Capture on180Tam: Clue for ans-Process Origin of Natureâ€™s Rarest Isotope. Physical Review Letters, 2001, 87, 251102.	7.8	37
58	Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Np</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>237</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10	2.8	37
59	Stellar neutron capture cross sections of128,129,130Xe. Physical Review C, 2002, 66, .	2.9	36
60	Measurement of theSm151(n,Î³) 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
61	Neutron physics of the Re/Os clock. III. Resonance analyses and stellar (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 527 T cross sections of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Os</mml:mi><mml:mprescripts	2.9	36
62	Neutron-induced fission cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow /><mml:mrow><mml:mi mathvariant="normal">nat</mml:mi></mml:mrow></mml:msup></mml:mrow></mml:math>Pb and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Bi</mml:mi><mml:mprescripts />	2.9	36
63	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
64	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>12</mml:mn></mml:msup></mml:math>C(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td (xmlns:mml="http://v xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:	2.9	35
65	First Observation of the Unbound Nucleus<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ne</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>15</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review Letters, 2014, 112, 132502.	7.8	35
66	Galactic Chemical Evolution of Radioactive Isotopes. Astrophysical Journal, 2019, 878, 156.	4.5	35
67	Nucleosynthesis at the termination point of thesprocess. Physical Review C, 2004, 70, .	2.9	34
68	Timeâ€“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
69	Experimental study of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>91</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq1 1 0.784314 rgBT /Ov	2.9	34
70	Structure of the unbound nucleus<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>13</mml:mn></mml:msup></mml:math>Be: One-neutron knockout reaction data from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>14</mml:mn></mml:msup></mml:math>Be analyzed in a holistic approach. Physical Review C, 2013, 87, .	2.9	34
71	Accuracy of the Pulse Height Weighting Technique for Capture Cross Section Measurements. Journal of Nuclear Science and Technology, 2002, 39, 689-692.	1.3	33
72	⁹⁶Ru(p,Î³)⁹⁷Rh measurement at the GSI storage ring. Journal of Physics: Conference Series, 2010, 202, 012011.	0.4	33

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73	display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>92</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq1 1 0.784314 rgBT /O	2.9	33
74	Resonance capture cross section ofPb207. Physical Review C, 2006, 74, .	2.9	32
75	Measurement of the neutron capture cross section of thes-only isotopePb204from 1 eV to 440 keV. Physical Review C, 2007, 75, .	2.9	32
76	Definition of a standard neutron field with the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>7</mml:mn></mml:msup></mml:math>Li(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (xmlns:mml="http://ww	2.9	32
77	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml: 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.	4.1	32
78	Stellar He burning of18O:A measurement of low-energy resonances and their astrophysical implications. Physical Review C, 2003, 68, .	2.9	31
79	<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 and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi	2.9	31
80	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
81	The cosmic ray muon flux at WIPP. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 538, 516-525.	1.6	30
82	Measurement of the radiative neutron capture cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Pb</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>206</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>and its astrophysical implications. Physical Review C, 2007, 76, .	2.9	30
83	High-accuracyU233(n,f)cross-section measurement at the white-neutron source n_TOF from near-thermal to1MeV neutron energy. Physical Review C, 2009, 80, .	2.9	30
84	Neutron capture cross section of139La. Physical Review C, 2003, 68, .	2.9	28
85	Neutron physics of the Re/Os clock. I. Measurement of the (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 287 Td (xmlns:m cross sections of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Os</mml:mi><mml:mprescripts /><mml:none	2.9	28
86	/><mml:mrow><mml:mn>186</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>Momentum profile analysis in one-neutron knockout from Borromean nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1309-1313.	4.1	28
87	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, .	2.9	28
88	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
89	Spallation-based neutron target for direct studies of neutron-induced reactions in inverse kinematics. Physical Review Accelerators and Beams, 2017, 20, .	1.6	28
90	128Xe and130Xe: Testing Heâ€Shell Burning in Asymptotic Giant Branch Stars. Astrophysical Journal, 2004, 614, 363-370.	4.5	27

#	Article	IF	Citations
91	Quasistellar spectrum for neutron activation measurements atkT=5keV. Physical Review C, 2005, 71, .	2.9	27
92	Gamma spectroscopy using two Clover detectors in close geometry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 517, 230-239.	1.6	26
93	Measurement and resonance analysis of the237Np neutron capture cross section. Physical Review C, 2012, 85, .	2.9	26
94	A new CVD diamond mosaic-detector for (n, <mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 637 Td (xmlns:mml="http://www.w3.org/ at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers and Associated Equipment, 2013, 732, 190-194.	1.6	26
95	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:mrow><mml:mn>243</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2014, 90, .	2.9	26
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98	/><mml:mn>241</mml:mn></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 457 Td (xmlns:mml= w	2.9	25
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102	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	2.9	24
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121	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Fe</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>59</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mi>n</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi><mml:mo	7.8	18
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137	Quasifree (<mml:math) Tj ET Q q 1 0 0.784314 rg BT /Overlock 10 Tf 50 357 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"> Ph xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>14</mm Physical Review C, 2018, 97, .	2.9	15
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