

# Andreas Pavlik

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1209523/publications.pdf>

Version: 2024-02-01

214  
papers

3,236  
citations

147801

31  
h-index

206112

48  
g-index

230  
all docs

230  
docs citations

230  
times ranked

1238  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Measurement of the $^{72}\text{Ge}(n,\gamma)^{73}\text{Ge}$ cross section over a wide neutron energy range at the CERN n_TOF facility. Physical Review C, 2021, 103, .	2.9	1
3	Constraints on the dipole photon strength for the odd uranium isotopes. Physical Review C, 2022, 105, .	2.9	1
4	Radiative Neutron Capture Cross-Section Measurement of Ge Isotopes at n_TOF CERN Facility and Its Importance for Stellar Nucleosynthesis. Acta Physica Polonica A, 2021, 139, 383-388.	0.5	0
5	Measurement of the $^{76}\text{Ge}(n,\gamma)^{77}\text{Ge}$ cross section over a wide neutron energy range at the CERN n_TOF facility. Physical Review C, 2021, 103, .	2.9	1
6	$\text{Li}_6,7+\text{Al}_{27}$ reactions close to and below the Coulomb barrier. Physical Review C, 2021, 103, .	2.9	1
7	First Results of the $^{140}\text{Ce}(n,\gamma)^{141}\text{Ce}$ Cross-Section Measurement at n_TOF. Universe, 2021, 7, 200.	2.5	4
8	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
9	$^{19}\text{F}$ -ray emitter $^{26}\text{Al}$ in massive stars: Study of the	2.9	10
10	Measurement of the $^{76}\text{Ge}(n,\gamma)^{77}\text{Ge}$ cross section over a wide neutron energy range at the CERN n_TOF facility. Physical Review C, 2021, 103, .	2.9	3
11	Measurement of the $^{105}\text{Te}(n,\gamma)^{106}\text{Te}$ -Process Branching Point	2.9	21
12	Measurement of the $^{112}\text{Te}(n,\gamma)^{113}\text{Te}$ ratio and $^{112}\text{Te}(n,\gamma)^{113}\text{Te}$ cross section of $^{112}\text{Te}$	2.9	3
13	Measurement and analysis of $^{155,157}\text{Gd}(n,\gamma)$ from thermal energy to 1 keV. EPJ Web of Conferences, 2020, 239, 01041.	0.3	0
14	Monte Carlo simulations and n-p differential scattering data measured with Proton Recoil Telescopes. EPJ Web of Conferences, 2020, 239, 01024.	0.3	5
15	Investigation of the $^{240}\text{Pu}(n,\gamma)^{241}\text{Pu}$ reaction at the n_TOF facility in the 9 meV to 6 MeV range. Physical Review C, 2020, 102, .	2.9	7
16	Neutron capture measurement at the n_TOF facility of the $^{204}\text{Tl}$ and $^{205}\text{Tl}$ s-process branching points. Journal of Physics: Conference Series, 2020, 1668, 012005.	0.4	2
17	New reaction rates for the destruction of $^7\text{Be}$ during big bang nucleosynthesis measured at CERN/n_TOF and their implications on the cosmological lithium problem. EPJ Web of Conferences, 2020, 239, 07001.	0.3	0
18	$^{80}\text{Se}(n,\gamma)^{81}\text{Se}$ cross-section measurement at CERN n_TOF. Journal of Physics: Conference Series, 2020, 1668, 012001.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Review and new concepts for neutron-capture measurements of astrophysical interest. Journal of Physics: Conference Series, 2020, 1668, 012013.	0.4	1
20	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
21	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.	1.6	2
22	Measurement of the $^{154}\text{Gd}(n,\hat{f}^3)$ cross section and its astrophysical implications. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 804, 135405.	4.1	12
23	Preliminary results on the $^{233}\text{U}$ $\hat{f}^{\pm}$ -ratio measurement at n_TOF. EPJ Web of Conferences, 2020, 239, 01043.	0.3	2
24	Status and perspectives of the neutron time-of-flight facility n_TOF at CERN. EPJ Web of Conferences, 2020, 239, 17001.	0.3	3
25	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
26	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
27	Measurement of the $^{242}\text{Pu}(n,\hat{f}^3)$ 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
28	Study of the neutron-induced fission cross section of $^{237}\text{Np}$ at CERN's n_TOF facility over a wide energy range. EPJ Web of Conferences, 2020, 239, 05006.	0.3	0
29	The $^{154}\text{Gd}$ neutron capture cross section measured at the n_TOF facility and its astrophysical implications. EPJ Web of Conferences, 2020, 239, 07003.	0.3	0
30	Study of photon strength functions of $^{241}\text{Pu}$ and $^{245}\text{Cm}$ from neutron capture measurements. EPJ Web of Conferences, 2020, 239, 01015.	0.3	2
31	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
32	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
33	Measurement of the $^{244}\text{Cm}$ capture cross sections at both CERN n_TOF experimental areas. EPJ Web of Conferences, 2020, 239, 01034.	0.3	4
34	Setup for the measurement of the $^{235}\text{U}(n, f)$ cross section relative to n-p scattering up to 1 GeV. EPJ Web of Conferences, 2020, 239, 01008.	0.3	4
35	Neutron capture cross section measurements of $^{241}\text{Am}$ at the n_TOF facility. EPJ Web of Conferences, 2020, 239, 01009.	0.3	2
36	Fission program at n_TOF. EPJ Web of Conferences, 2019, 211, 03006.	0.3	1

#	ARTICLE	IF	CITATIONS
37	Measurement of the $^{244}\text{Cm}$ and $^{246}\text{Cm}$ neutron-induced capture cross sections at the n_TOF facility. EPJ Web of Conferences, 2019, 211, 03008.	0.3	3
38	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. European Physical Journal A, 2019, 55, 1.	2.5	20
39	Measurement of the $^{70}\text{Ge}(n, \hat{\gamma}^3)$ cross section up to 300 keV at the CERN n_TOF facility. Physical Review C, 2019, 100, .	2.9	13
40	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
41	Preliminary results on the $^{233}\text{U}$ 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
42	Cross section measurements of $^{155,157}\text{Gd}(n, \gamma^{\hat{\gamma}^3})$ induced by thermal and epithermal neutrons. European Physical Journal A, 2019, 55, 1.	2.5	23
43	Measurement of $^{73}\text{Ge}(n, \hat{\gamma}^3)$ cross sections and implications for stellar nucleosynthesis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 458-465.	4.1	11
44	Measurement of the $^{244}\text{Cm}$ and $^{246}\text{Cm}$ Neutron-Induced Cross Sections at the n_TOF Facility. Springer Proceedings in Physics, 2019, , 117-122.	0.2	0
45	$^7\text{Be}(n, p)$ $^7\text{Li}$ 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
46	Preparation and characterization of $^{235}\text{S}$ samples for $^{235}\text{S}(n, \gamma)$ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 397 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML")	1.6	2
47	facility at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 890, 142-147. Radiative neutron capture on $^{242}\text{Pu}$ in the resonance region at the CERN n_TOF-EAR1 facility. Physical Review C, 2018, 97, .	2.9	21
48	Experimental setup and procedure for the measurement of the $^7\text{Be}(n, p)^6\text{Li}$ reaction at n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 887, 27-33.	1.6	14
49	Measurement of the radiative capture cross section of the s-process branching points $^{204}\text{Tl}$ and $^{171}\text{Tm}$ at the n_TOF facility (CERN). EPJ Web of Conferences, 2018, 178, 03004.	0.3	1
50	First Measurement of $^{72}\text{Ge}(n, \hat{\gamma}^3)$ at n_TOF. EPJ Web of Conferences, 2018, 184, 02005.	0.3	0
51	Measurement and analysis of the $^{241}\text{Am}$ neutron capture cross section. Physical Review C, 2018, 97, .	2.9	9
52	Measurement and resonance analysis of the $^{7\text{Be}}(n, p)^6\text{Li}$ reaction at n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 887, 27-33.	7.8	58
53	Measurement and resonance analysis of the $^{33}\text{S}$ neutron capture cross section at the CERN n_TOF facility in the ener. Physical Review C, 2018, 97, .	2.9	8
54	Neutron spectroscopy of $^{26}\text{Mg}$ states: Constraining the stellar neutron source $^{22}\text{Ne}(\hat{\gamma}^{\pm}, n)^{25}\text{Mg}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 1-6.	4.1	32

#	ARTICLE	IF	CITATIONS
55	Neutron capture cross section measurement of $^{238}\text{U}$ 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
56	High-accuracy determination of the neutron flux in the new experimental area n_TOF-EAR2 at CERN. <i>European Physical Journal A</i> , 2017, 53, 1.	2.5	41
57	Monte carlo simulations of the n_TOF lead spallation target with the Geant4 toolkit: A benchmark study. <i>EPJ Web of Conferences</i> , 2017, 146, 03030.	0.3	0
58	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
59	The Nuclear Astrophysics program at n_TOF (CERN). <i>EPJ Web of Conferences</i> , 2017, 165, 01014.	0.3	1
60	$^7\text{Be}(n,\hat{1}^\pm)$ and $^7\text{Be}(n,p)$ cross-section measurement for the cosmological lithium problem at the n_TOF facility at CERN. <i>EPJ Web of Conferences</i> , 2017, 146, 01012.	0.3	1
61	The $^{236}\text{U}$ neutron capture cross-section measured at the n_TOF CERN facility. <i>EPJ Web of Conferences</i> , 2017, 146, 11054.	0.3	1
62	Characterization of the n_TOF EAR-2 neutron beam. <i>EPJ Web of Conferences</i> , 2017, 146, 03020.	0.3	1
63	High accuracy $^{234}\text{U}(n,f)$ cross section in the resonance energy region. <i>EPJ Web of Conferences</i> , 2017, 146, 04057.	0.3	1
64	The measurement programme at the neutron time-of-flight facility n_TOF at CERN. <i>EPJ Web of Conferences</i> , 2017, 146, 11002.	0.3	2
65	New measurement of the $^{242}\text{Pu}(n,\hat{1}^3)$ cross section at n_TOF-EAR1 for MOX fuels: Preliminary results in the RRR. <i>EPJ Web of Conferences</i> , 2017, 146, 11045.	0.3	1
66	The n_TOF facility: Neutron beams for challenging future measurements at CERN. <i>EPJ Web of Conferences</i> , 2017, 146, 03001.	0.3	1
67	Dissemination of data measured at the CERN n_TOF facility. <i>EPJ Web of Conferences</i> , 2017, 146, 07002.	0.3	3
68	High precision measurement of the radiative capture cross section of $^{238}\text{U}$ at the n_TOF CERN facility. <i>EPJ Web of Conferences</i> , 2017, 146, 11028.	0.3	0
69	Time-of-flight and activation experiments on $^{147}\text{Pm}$ and $^{171}\text{Tm}$ for astrophysics. <i>EPJ Web of Conferences</i> , 2017, 146, 01007.	0.3	0
70	The $^{33}\text{S}(n,\hat{1}^\pm)^{30}\text{Si}$ cross section measurement at n_TOF-EAR2 (CERN): From 0.01 eV to the resonance region. <i>EPJ Web of Conferences</i> , 2017, 146, 08004.	0.3	3
71	Measurement of the $^{240}\text{Pu}(n,f)$ cross-section at the CERN n_TOF facility: First results from experimental area II (EAR-2). <i>EPJ Web of Conferences</i> , 2017, 146, 04030.	0.3	6
72	Measurement of the neutron capture cross section of the fissile isotope $^{235}\text{U}$ with the CERN n_TOF total absorption calorimeter and a fission tagging based on micromegas detectors. <i>EPJ Web of Conferences</i> , 2017, 146, 11021.	0.3	7

#	ARTICLE	IF	CITATIONS
73	Measurement of the $^{241}\text{Am}$ neutron capture cross section at the n_TOF facility at CERN. EPJ Web of Conferences, 2017, 146, 11022.	0.3	1
74	The CERN n_TOF facility: a unique tool for nuclear data measurement. EPJ Web of Conferences, 2016, 122, 05001.	0.3	3
75	Towards the high-accuracy determination of the $^{238}\text{U}$ fission cross section at the threshold region at CERN n_TOF. EPJ Web of Conferences, 2016, 111, 02002.	0.3	2
76	High accuracy $^{235}\text{U}(n,f)$ data in the resonance energy region. EPJ Web of Conferences, 2016, 111, 02003.	0.3	7
77	Experiments with neutron beams for the astrophysical $s$ process. Journal of Physics: Conference Series, 2016, 665, 012020.	0.4	2
78	Nuclear data activities at the n_TOF facility at CERN. European Physical Journal Plus, 2016, 131, 1.	2.6	26
79	Neutron-induced fission cross section of $^{238}\text{U}$ in the keV to MeV range at the CERN n_TOF facility. Physical Review C, 2016, 93, .	7.8	94
80	Fission Fragment Angular Distribution measurements of $^{235}\text{U}$ and $^{238}\text{U}$ at CERN n_TOF facility. EPJ Web of Conferences, 2016, 111, 10002.	2.9	11
81	Integral measurement of the $^{12}\text{C}(n,p)^{12}\text{B}$ reaction up to 10 GeV. European Physical Journal A, 2016, 52, 1.	0.3	14
82	Experimental setup and procedure for the measurement of the $^{7}\text{Be}(n,\hat{1}\pm)\hat{1}\pm$ reaction at n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 830, 197-205.	2.5	9
83	Nuclear Data for the Thorium Fuel Cycle and the Transmutation of Nuclear Waste. , 2016, , 207-214.	1.6	21
84	Experimental neutron capture data of $^{58}\text{Ni}$ from the CERN n_TOF facility. EPJ Web of Conferences, 2015, 93, 02009.	0.3	0
85	High-accuracy determination of the $^{238}\text{U}$ fission cross section at the CERN n_TOF facility. EPJ Web of Conferences, 2015, 93, 02009.	2.9	24
86	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
87	The nucleosynthesis of heavy elements in Stars: the key isotope $^{25}\text{Mg}$ . EPJ Web of Conferences, 2014, 66, 07016.	0.3	1
88	Measurements of neutron cross sections for advanced nuclear energy systems at n_TOF (CERN). EPJ Web of Conferences, 2014, 66, 10001.	0.3	2
89	Neutron cross-sections for advanced nuclear systems: the n_TOF project at CERN. EPJ Web of Conferences, 2014, 79, 01003.	0.3	0

#	ARTICLE	IF	CITATIONS
91	238U( $n, \hat{\beta}$ ) reaction cross section measurement with C6D6 detectors at the n_TOF CERN facility.. EPJ Web of Conferences, 2014, 66, 03061.	0.3	1
92	Experimental neutron capture data of $^{58}\text{Ni}$ from the CERN n_TOF facility. Physical Review C, 2014, 89, 1.	2.9	28
93	Measurement of $^{62}\text{Ni}$ cross sections from 29 MeV to 42 MeV. European Physical Journal A, 2014, 50, 1.	2.9	31
94	Measurement of the $^{12}\text{C}(n,p)^{12}\text{B}$ cross section at n_TOF at CERN by in-beam activation analysis. Physical Review C, 2014, 90.	2.9	14
95	Measurement and analysis of the $^{241}\text{Am}$ neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2014, 90, .	2.9	26
96	Neutron-induced fission cross section of $^{234}\text{U}$ measured at the CERN n_TOF facility. Physical Review C, 2014, 89, .	2.9	14
97	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
98	Measurement and analysis of the $^{243}\text{Am}$ neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2014, 90, .	2.9	26
99	Neutron Capture Reactions on Fe and Ni Isotopes for the Astrophysical s-process. Nuclear Data Sheets, 2014, 120, 201-204.	2.2	2
100	The ( $n, \hat{\beta}$ ) Reaction in the s-process Branching Point $^{59}\text{Ni}$ . Nuclear Data Sheets, 2014, 120, 208-210.	2.2	14
101	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
102	Neutron cross-sections for advanced nuclear systems: the n_TOF project at CERN. EPJ Web of Conferences, 2014, 79, 01003.	0.3	0
103	High-accuracy determination of the neutron flux at n_TOF. European Physical Journal A, 2013, 49, 1.	2.5	71
104	Performance of the neutron time-of-flight facility n_TOF at CERN. European Physical Journal A, 2013, 49, 1.	2.5	205
105	Measurement of the neutron-induced fission cross-section of $^{241}\text{Am}$ at the time-of-flight facility n_TOF. European Physical Journal A, 2013, 49, 1.	2.5	9
106	A new CVD diamond mosaic-detector for ( $n, \hat{\beta}$ ) reaction at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Detectors and Associated Equipment, 2013, 732, 190-194.	1.6	26
107	Neutron Capture Cross Section of Unstable $^{63}\text{Ni}$ : Implications for Stellar Nucleosynthesis. Physical Review Letters, 2013, 110, 022501.	7.8	44
108			

#	ARTICLE	IF	CITATIONS
109	Neutron research at the N_TOF facility (CERN): Results and perspectives. , 2013, , .		0
110	Measurement of $^{93}\text{Zr}$ reaction up to 8 keV neutron energy. Physical Review C, 2013, 87, .	2.9	39
111	Measurement of resolved resonances of $^{232}\text{Th}$ at the n_TOF facility at CERN. Physical Review C, 2012, 85, .	2.9	20
112	Angular distribution in the neutron-induced fission of actinides. EPJ Web of Conferences, 2013, 62, 08003.	0.3	1
113	Measurement of resolved resonances of $^{232}\text{Th}$ at the n_TOF facility at CERN. Physical Review C, 2012, 85, .	2.9	23
114	Measurement and resonance analysis of the $^{237}\text{Np}$ neutron capture cross section. Physical Review C, 2012, 85, .	2.9	3
115	Neutron-induced fission cross section of $^{245}\text{Cm}$ : New results from data taken at the time-of-flight facility n_TOF. Physical Review C, 2012, 85, .	2.9	26
116	Neutron-induced fission cross section measurement of $^{233}\text{U}$ , $^{241}\text{Am}$ and $^{243}\text{Am}$ in the energy range 0.5 MeV $\leq E < 20$ MeV at n_TOF at CERN. Physica Scripta, 2012, T150, 014005.	2.9	13
117	Resonance neutron-capture cross sections of stable magnesium isotopes and their astrophysical implications. Physical Review C, 2012, 85, .	2.9	2
118	Present status and future programs of the n_TOF experiment. EPJ Web of Conferences, 2012, 21, 03001.	0.3	55
119	Simultaneous measurement of neutron-induced capture and fission reactions at CERN. European Physical Journal A, 2012, 48, 1.	2.5	2
120	Assessing the uncertainties of $\delta^{13}\text{C}$ - and $\delta^{15}\text{N}$ -values determined by EA-IRMS for palaeodietary studies. Quaternary International, 2011, 245, 307-314.	1.5	19
121	Astrophysics at n_TOF Facility at CERN. Journal of Physics: Conference Series, 2011, 312, 042024.	0.4	2
122	Light ion induced nuclear reactions close to the Coulomb barrier. Journal of Physics: Conference Series, 2011, 312, 082021.	0.4	0
123	Neutron measurements for advanced nuclear systems: The n_TOF project at CERN. Nuclear Instruments & Methods in Physics Research B, 2011, 269, 3251-3257.	1.4	1
124	Neutron-induced fission cross-section of $^{233}\text{U}$ in the energy range 0.5 &lt; E < 20 MeV. European Physical Journal A, 2011, 47, 1.	2.5	10
125	Measurement of the neutron-induced fission cross-section of $^{243}\text{Am}$ relative to $^{235}\text{U}$ from 0.5 to 20 MeV. European Physical Journal A, 2011, 47, 1.	2.5	15
126	Measurement of the neutron-induced fission cross-section of $^{243}\text{Am}$ relative to $^{235}\text{U}$ from 0.5 to 20 MeV. European Physical Journal A, 2011, 47, 1.	2.5	11



#	ARTICLE	IF	CITATIONS
127	The [ <sup>237</sup> Np(n,f) cross section at the CERN n-TOF facility. , 2011, , . <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>96</mml:mn></mml:msup></mml:math>Zr(<mml:math>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (xmlns:mml="http://		1
128		2.9	17
129	Neutron capture on<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>94</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>: Resonance parameters and Maxwellian-averaged cross sections. Physical Review C. 2011, 84, . <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	24
130		2.9	36
131	Measurement of the <sup>236</sup> U(n,f) cross section from 170 meV to 2 MeV at the CERNn_TOFfacility. Physical Review C, 2011, 84, . <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 Tf 50 707 Td (xmlns:mml="http://	2.9	14
132		2.9	17
133	The Neutron Time-Of-Flight Facility n <sub>±</sub> TOF At CERN: Phase II. , 2011, , .		1
134	Study of Photon Strength Function of Actinides: the Case of <sup>235</sup> U, <sup>238</sup> Np and <sup>241</sup> Pu. Journal of the Korean Physical Society, 2011, 59, 1510-1513.	0.7	9
135	Past, Present and Future of the n_TOF Facility at CERN. Journal of the Korean Physical Society, 2011, 59, 1620-1623.	0.7	4
136	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
137	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
138	Measurement of (n,xng) Reactions of Interest for the New Nuclear Reactors. Journal of the Korean Physical Society, 2011, 59, 1880-1883.	0.7	2
139	<sup>237</sup> Np(n,f) Cross Section: New Data and Present Status. Journal of the Korean Physical Society, 2011, 59, 1908-1911.	0.7	2
140	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
141	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
142	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
143	Forthcoming (n, <sup>13</sup> ) measurements on the Fe and Ni isotopes at CERN n_TOF. Journal of Physics: Conference Series, 2010, 202, 012026.	0.4	0
144	Neutron cross-sections for next generation reactors: New data from n_TOF. Applied Radiation and Isotopes, 2010, 68, 643-646.	1.5	7



#	ARTICLE	IF	CITATIONS
163	Experimental study of the $\text{Zr}(\text{n}, \text{n}')\text{Tj}$ reaction. <i>Physical Review Letters</i> , 2007, 98, 172501. <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> display="inline" <math>\text{Zr}</math> <math>\text{Tj}</math> $\text{ETQq11}$ 10.784314	2.9	34
164	Neutron capture cross section of $\text{Zr}$ and its astrophysical implications. <i>Physical Review C</i> , 2007, 76, . $\text{Zr}$ Bottleneck in the $\text{s}$ -process reaction flow. <i>Physical Review C</i> , 2008, 77, .	2.9	44
165	Measurements of neutron capture cross-sections at n_TOF. AIP Conference Proceedings, 2007, , .	0.4	0
166	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
167	Measurement of the radiative neutron capture cross section of $\text{Pb}$ and its astrophysical implications. <i>Physical Review C</i> , 2007, 76, . $\text{Pb}$	2.9	30
168	Measurement of the neutron capture cross section of the only isotope $\text{Pb}204$ from 1 eV to 440 keV. <i>Physical Review C</i> , 2007, 75, .	2.9	32
169	The $\text{La}139(\text{n}, \text{n}')\text{La}$ cross section: Key for the onset of the $\text{s}$ -process. <i>Physical Review C</i> , 2007, 75, .	2.9	24
170	Neutron reactions and nuclear cosmo-chronology. <i>Progress in Particle and Nuclear Physics</i> , 2007, 59, 165-173.	14.4	7
171	Status and outlook of the neutron time-of-flight facility n_TOF at CERN. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2007, 261, 925-929.	1.4	35
172	The neutron capture cross sections of $^{237}\text{Np}(\text{n}, \text{n}')$ and $^{240}\text{Pu}(\text{n}, \text{n}')$ and its relevance in the transmutation of nuclear waste. , 2007, , .		5
173	Simultaneous measurement of the neutron capture and fission yields of $^{233}\text{U}$ . , 2007, , .		5
174	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. , 2007, , .		4
175	Measurement of $^{139}\text{La}(\text{n}, \text{n}')$ Cross Section. AIP Conference Proceedings, 2006, , .	0.4	0
176	$^{207}\text{Pb}(\text{n}, 2\text{n}')^{206}\text{Pb}$ Cross-Section Measurements by In-Beam Gamma-Ray Spectroscopy. AIP Conference Proceedings, 2006, , .	0.4	0
177	Measurement of the resonance capture cross section of $^{204}\text{Pb}$ , $^{206}\text{Pb}$ and termination of the $\text{s}$ -process. AIP Conference Proceedings, 2006, , .	0.4	0
178	Neutron Capture Cross Section Measurements at n_TOF of $^{237}\text{Np}$ , $^{240}\text{Pu}$ and $^{243}\text{Am}$ for the Transmutation of Nuclear Waste. AIP Conference Proceedings, 2006, , .	0.4	3
179	Neutron cross section measurements at n-TOF for ADS related studies. <i>Journal of Physics: Conference Series</i> , 2006, 41, 352-360.	0.4	2
180	Measurement of $^{139}\text{La}(\text{n}, \text{n}')$ Cross Section at n_TOF. AIP Conference Proceedings, 2006, , .	0.4	0

#	ARTICLE	IF	CITATIONS
181	Implications of $^{151}\text{Sm}(n,\hat{1}^3)$ Cross Section at n_TOF. AIP Conference Proceedings, 2006, , .	0.4	0
182	Measurement of the $^{151}\text{Sm}(n,\hat{1}^3)$ 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
183	New measurement of neutron capture resonances in $^{209}\text{Bi}$ . Physical Review C, 2006, 74, .	2.9	46
184	Neutron capture cross section of $^{232}\text{Th}$ measured at the n_TOF facility at CERN in the unresolved resonance region up to 1 MeV. Physical Review C, 2006, 73, .	2.9	41
185	Resonance capture cross section of $^{207}\text{Pb}$ . Physical Review C, 2006, 74, .	2.9	32
186	Measurement of the $^{151}\text{Sm}(n,\hat{1}^3)^{152}\text{Sm}$ cross section at n_TOF. Nuclear Physics A, 2005, 758, 533-536.	1.5	7
187	Neutron capture cross section measurements for nuclear astrophysics at CERN n_TOF. Nuclear Physics A, 2005, 758, 501-504.	1.5	7
188	Measurements of the $^{90,91,92,94,96}\text{Zr}(n,\hat{1}^3)$ cross-sections at n_TOF. Nuclear Physics A, 2005, 758, 573-576.	1.5	2
189	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
190	The n_TOF Facility at CERN: Performances and First Physics Results. AIP Conference Proceedings, 2005, , .	0.4	2
191	Cross-Section Measurements for $(n,xn)$ Reactions by In-Beam Gamma-Ray Spectroscopy. AIP Conference Proceedings, 2005, , .	0.4	0
192	High-Resolution Study of $^{237}\text{Np}$ Fission Cross Section from 5 eV to 1 MeV. AIP Conference Proceedings, 2005, , .	0.4	2
193	Neutron Capture Cross Sections for the Re/Os Clock. AIP Conference Proceedings, 2005, , .	0.4	1
194	New Measurement of the Capture Cross Section of Bismuth and Lead Isotopes. AIP Conference Proceedings, 2005, , .	0.4	0
195	Measurement of the $^{232}\text{Th}$ Neutron Capture Cross Section at the CERN n_TOF Facility. AIP Conference Proceedings, 2005, , .	0.4	0
196	Measurement of Capture Cross Sections of $^{90,91,92,94,96}\text{Zr}$ Isotopes at n_TOF. AIP Conference Proceedings, 2005, , .	0.4	0
197	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
198	Neutron Capture Cross Section Measurement of $^{151}\text{Sm}$ at the CERN Neutron Time of Flight Facility (n_TOF). Physical Review Letters, 2004, 93, 161103.	7.8	65

#	ARTICLE	IF	CITATIONS
199	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
200	Time-energy relation of the n_TOF neutron beam: energy standards revisited. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 532, 622-630.	1.6	34
201	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
202	$^{27}\text{Al}(n,x^3)$ reactions for neutron energies from 3 to 400 MeV. Physical Review C, 1998, 57, 2416-2426.	2.9	16
203	Double-differential neutron emission cross sections of 14-MeV neutron induced reactions on Na and Pb. Physical Review C, 1997, 56, 1424-1437.	2.9	0
204	Spallation reactions in $^{27}\text{Al}$ and $^{56}\text{Fe}$ induced by 800 MeV protons. Physical Review C, 1997, 55, 2458-2467.	2.9	14
205	Study of Gamma Radiation from the Interaction of 14.6-MeV Neutrons with $^{27}\text{Al}$ . Nuclear Science and Engineering, 1997, 125, 196-204.	1.1	3
206	Study of Gamma Radiation from Interaction of 14.7-MeV Neutrons with $^{208}\text{Pb}$ . Nuclear Science and Engineering, 1995, 119, 195-202.	1.1	6
207	$^{207,208}\text{Pb}(n,x^3)$ reactions for neutron energies from 3 to 200 MeV. Physical Review C, 1994, 50, 1952-1963.	2.9	34
208	Accurate Determination of (n,2n) Cross Sections for Heavy Nuclei from Neutron Production Spectra. Nuclear Science and Engineering, 1990, 106, 409-414.	1.1	15
209	Precise measurement of cross sections for the reactions $^{59}\text{Co}(n,2n)^{58}\text{Co}$ and $^{59}\text{Co}(n,p)^{59}\text{Fe}$ around 14 MeV. Radiation Effects, 1986, 92, 155-158.	0.4	0
210	Precise measurement of cross sections for the reactions $^{59}\text{Co}(n,2n)^{58}\text{mCo}$ and $^{59}\text{Co}(n,p)^{59}\text{Fe}$ around 14 MeV. Journal of Physics G: Nuclear Physics, 1986, 12, 397-410.	0.8	16
211	Neutron-Induced Reactions on $^{58}\text{Ni}$ . Nuclear Science and Engineering, 1985, 90, 186-202.	1.1	30
212	Survey of standardization possibilities with a NaI(Tl) well-type detector. The International Journal of Applied Radiation and Isotopes, 1983, 34, 1167-1174.	0.7	24
213	Some aspects of activity measurements with NaI(Tl) well-type detectors. The International Journal of Applied Radiation and Isotopes, 1983, 34, 547-553.	0.7	49
214	Precise measurement of cross sections for the $^{90}\text{Zr}(n,2n)^{89}\text{Zr}$ reaction from threshold to 20 MeV. Journal of Physics G: Nuclear Physics, 1982, 8, 1283-1299.	0.8	66