

# Thomas Rauscher

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3001365/publications.pdf>

Version: 2024-02-01

446  
papers

14,621  
citations

28242

55  
h-index

26591

107  
g-index

470  
all docs

470  
docs citations

470  
times ranked

4587  
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.	0.1	0
2	Constraints on the dipole photon strength for the odd uranium isotopes. Physical Review C, 2022, 105, .	1.1	1
3	Feasibility of studying astrophysically important charged-particle emission with the variable energy system at the Extreme Light Infrastructure "Nuclear Physics facility. Physical Review C, 2022, 105, .	1.1	7
4	$^{18}\text{O}(\alpha, n)^{21}\text{F}$ reaction with the ANASEN active-target detector system at $^{247}\text{Cm}$ in meteorites constrain the last astrophysical source of solar r-process elements. Science, 2021, 371, 945-948.	6.0	37
5	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, .	1.1	3
6	First Results of the $^{140}\text{Ce}(n, \gamma)^{141}\text{Ce}$ Cross-Section Measurement at n_TOF. Universe, 2021, 7, 200.	0.9	4
7	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
8	Destruction of the cosmic $\gamma$ -ray emitter $^{26}\text{Al}$ in massive stars: Study of the key $^{26}\text{Al}(n, \gamma)^{27}\text{Al}$ reaction. Physical Review Letters, 2021, 127, 112701.	2.9	6
9	First Direct Measurement of an Astrophysical $^{26}\text{Al}(n, \gamma)^{27}\text{Al}$ -Process Reaction Cross Section Using a Radioactive Ion Beam. Physical Review Letters, 2021, 127, 112701.	2.9	6
10	Destruction of the cosmic $\gamma$ -ray emitter $^{26}\text{Al}$ in massive stars: Study of the key $^{26}\text{Al}(n, \gamma)^{27}\text{Al}$ reaction. Physical Review C, 2021, 104, .	1.1	6
11	Measurement of the $^{91}\text{Zr}(p, \gamma)^{92\text{m}}\text{Nb}$ cross section motivated by type Ia supernova nucleosynthesis. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 105202.	1.4	5
12	Measurement of the $^{76}\text{Ge}(n, \gamma)^{77}\text{Ge}$ cross section at the n_TOF facility at CERN. Physical Review C, 2021, 104, .	1.1	3
13	Heavy elements nucleosynthesis on accreting white dwarfs: building seeds for the p-process. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4981-4998.	1.6	16
14	Neutron Capture on the $^{207}\text{Pb}$ -Process Branching Point $^{207}\text{Pb}(n, \gamma)^{208}\text{Pb}$ of the $r$ -process. Physical Review Letters, 2021, 127, 112701.	2.9	6
15	Measurement of the $^{155}\text{Gd}(n, \gamma)^{156}\text{Gd}$ cross section of $^{155}\text{Gd}$ from thermal energy to 1 keV. EPJ Web of Conferences, 2020, 239, 01041.	0.1	0

#	ARTICLE	IF	CITATIONS
19	Investigation of the $^{240}\text{Pu}(n, f)$ reaction at the n_TOF/EAR2 facility in the 0.1–10 MeV range. <i>Physical Review C</i> , 2020, 102, 014607.	1.1	7
20	Measurement of the $^{235}\text{U}(n, f)$ cross section at n_TOF from thermal to 170 keV. <i>International Journal of Modern Physics Conference Series</i> , 2020, 50, 2060011.	0.7	0
21	A compact fission detector for fission-tagging neutron capture experiments with radioactive fissile isotopes. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 969, 163981.	0.7	2
22	Preliminary results on the $^{233}\text{U}$ $\hat{\nu}$ -ratio measurement at n_TOF. <i>EPJ Web of Conferences</i> , 2020, 239, 01043.	0.1	2
23	Accurate measurement of the standard $^{235}\text{U}(n, f)$ cross section from thermal to 170 keV neutron energy. <i>EPJ Web of Conferences</i> , 2020, 239, 08002.	0.1	0
24	Measurement of the $^{242}\text{Pu}(n, \hat{\nu}^3)$ cross section from thermal to 500 keV at the Budapest research reactor and CERN n_TOF-EAR1 facilities. <i>EPJ Web of Conferences</i> , 2020, 239, 01019.	0.1	0
25	Monte Carlo variations as a tool to assess nuclear physics uncertainties in nucleosynthesis studies. <i>Journal of Physics: Conference Series</i> , 2020, 1643, 012062.	0.3	1
26	Study of the neutron-induced fission cross section of $^{237}\text{Np}$ at CERN's n_TOF facility over a wide energy range. <i>EPJ Web of Conferences</i> , 2020, 239, 05006.	0.1	0
27	Measurement of the $^{244}\text{Cm}$ and $^{246}\text{Cm}$ neutron-induced capture cross sections at the n_TOF facility. <i>EPJ Web of Conferences</i> , 2019, 211, 03008.	0.1	3
28	Measurement of the $^{235}\text{U}(n, f)$ cross section relative to the $^6\text{Li}(n, t)$ and $^{10}\text{B}(n, \alpha)$ standards from thermal to 170 keV neutron energy range at n_TOF. <i>European Physical Journal A</i> , 2019, 55, 1.	1.0	20
29	Measurement of the $^{70}\text{Ge}(n, \hat{\nu}^3)$ cross section up to 300 keV at the CERN n_TOF facility. <i>Physical Review C</i> , 2019, 100, 014607.	1.1	13
30	Uncertainties in $\hat{\nu}^{1/2}p$ -process nucleosynthesis from Monte Carlo variation of reaction rates. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1379-1396.	1.6	20
31	Study of the photon strength functions and level density in the gamma decay of the $n + ^{234}\text{U}$ reaction. <i>EPJ Web of Conferences</i> , 2019, 211, 02002.	0.1	2
32	Preliminary results on the $^{233}\text{U}$ capture cross section and alpha ratio measured at n_TOF (CERN) with the fission tagging technique. <i>EPJ Web of Conferences</i> , 2019, 211, 03007.	0.1	3
33	Cross section measurements of $^{155,157}\text{Gd}(n, \gamma \hat{\nu}^3)$ induced by thermal and epithermal neutrons. <i>European Physical Journal A</i> , 2019, 55, 1.	1.0	23
34	Approaching the Gamow Window with Stored Ions: Direct Measurement of $^{124}\text{Xe}(p, \hat{\nu}^3)$ in the ESR Storage Ring. <i>Physical Review Letters</i> , 2019, 122, 092701.	2.9	38
35	Measurement of $^{73}\text{Ge}(n, \hat{\nu}^3)$ cross sections and implications for stellar nucleosynthesis. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 790, 458-465.	1.5	11
36	Probing the Production of Actinides under Different r-process Conditions. <i>Astrophysical Journal</i> , 2019, 879, 47.	1.6	35

#	ARTICLE	IF	CITATIONS
37	The s-Process Nucleosynthesis in Low Mass Stars: Impact of the Uncertainties in the Nuclear Physics Determined by Monte Carlo Variations. Springer Proceedings in Physics, 2019, , 297-300.	0.1	1
38	Uncertainties in the Production of p Nuclides in SN Ia Determined by Monte Carlo Variations. Springer Proceedings in Physics, 2019, , 429-432.	0.1	0
39	$^{7}\text{Be}(n,p)^{7}\text{Li}$ Cross Section Measurement for the Cosmological Lithium Problem at the n_TOF Facility at CERN. Springer Proceedings in Physics, 2019, , 25-32.	0.1	0
40	Preparation and characterization of $^{33}\text{S}$ samples for $^{33}\text{S}(n,\gamma)^{34}\text{S}$ reaction at the n_TOF facility at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 890, 142-147.	0.7	2
41	Investigation of $\hat{I}_{\pm}$ -induced reactions on Sb isotopes relevant to the astrophysical $\hat{I}^3$ process. Physical Review C, 2018, 97, .	1.1	20
42	Mass measurements of neutron-deficient Y, Zr, and Nb isotopes and their impact on rp and $\hat{I}^2$ p nucleosynthesis processes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 358-363.	1.5	28
43	Radiative neutron capture on $^{242}\text{Pu}$ in the resonance region at the CERN n_TOF-FAR1 facility. Physical Review C, 2018, 97, .	1.1	21
44	Role of Core-collapse Supernovae in Explaining Solar System Abundances of p Nuclides. Astrophysical Journal, 2018, 854, 18.	1.6	55
45	Experimental setup and procedure for the measurement of the $^{7}\text{Be}(n,p)^{7}\text{Li}$ reaction at n_TOF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 887, 27-33.	0.7	14
46	Cross section of $\hat{I}_{\pm}$ -induced reactions on iridium isotopes obtained from thick target yield measurement for the astrophysical $\hat{I}^3$ process. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 396-401.	1.5	14
47	Abundance uncertainties obtained with the PIZBUIN framework for Monte Carlo reaction rate variations. AIP Conference Proceedings, 2018, , .	0.3	1
48	Sensitivity to neutron captures and $\hat{I}^2$ -decays of the enhanced s-process in rotating massive stars at low metallicities. Journal of Physics: Conference Series, 2018, 940, 012051.	0.3	2
49	Nuclear Reactions. Astrophysics and Space Science Library, 2018, , 523-554.	1.0	0
50	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.	0.1	1
51	Photonuclear Reactions in Astrophysics. Nuclear Physics News, 2018, 28, 12-15.	0.1	5
52	First Measurement of $^{72}\text{Ge}(n,\hat{I}^3)$ at n_TOF. EPJ Web of Conferences, 2018, 184, 02005.	0.1	0
53	Uncertainties in the production of p nuclides in thermonuclear supernovae determined by Monte Carlo variations. Monthly Notices of the Royal Astronomical Society, 2018, 474, 3133-3139.	1.6	39
54	Measurement and analysis of the $^{241}\text{Am}$ neutron capture cross section at the n_TOF facility at CERN. Physical Review C, 2018, 97, .	1.1	9

#	ARTICLE	IF	CITATIONS
55	Measurement and resonance analysis of the $^{209}\text{Tl}$ $\sigma_{\text{c}}$ cross section at the CERN n_TOF facility in the energy region from 1 eV to 700 keV. Physical Review C, 2017, 95, .	1.9	58
56	Neutron spectroscopy of $^{26}\text{Mg}$ states: Constraining the stellar neutron source $^{22}\text{Ne}(n,\alpha)^{25}\text{Mg}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 1-6.	1.1	8
57	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. Physical Review C, 2017, 95, .	1.6	28
58	High-accuracy determination of the neutron flux in the new experimental area n_TOF-EAR2 at CERN. European Physical Journal A, 2017, 53, 1.	1.5	32
59	Monte carlo simulations of the n_TOF lead spallation target with the Geant4 toolkit: A benchmark study. EPJ Web of Conferences, 2017, 146, 03030.	1.1	12
60	Measurement of the $^{238}\text{U}(n,\alpha)^{234}\text{Th}$ cross section up to 80 keV with the Total Absorption Calorimeter at the CERN n_TOF facility. Physical Review C, 2017, 96, .	1.0	41
61	Uncertainties in s-process nucleosynthesis in massive stars determined by Monte Carlo variations. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1752-1767.	0.1	0
62	The Nuclear Astrophysics program at n_TOF (CERN). EPJ Web of Conferences, 2017, 165, 01014.	1.1	8
63	$^{7}\text{Be}(n,\alpha)^{4}\text{He}$ and $^{7}\text{Be}(n,p)^{7}\text{Li}$ cross-section measurement for the cosmological lithium problem at the n_TOF facility at CERN. EPJ Web of Conferences, 2017, 146, 01012.	1.6	37
64	The $^{236}\text{U}$ neutron capture cross-section measured at the n_TOF CERN facility. EPJ Web of Conferences, 2017, 146, 11054.	0.1	1
65	Characterization of the n_TOF EAR-2 neutron beam. EPJ Web of Conferences, 2017, 146, 03020.	0.1	1
66	High accuracy $^{234}\text{U}(n,f)$ cross section in the resonance energy region. EPJ Web of Conferences, 2017, 146, 04057.	0.1	1
67	The measurement programme at the neutron time-of-flight facility n_TOF at CERN. EPJ Web of Conferences, 2017, 146, 11002.	0.1	2
68	New measurement of the $^{242}\text{Pu}(n,\alpha)^{238}\text{Pu}$ cross section at n_TOF-EAR1 for MOX fuels: Preliminary results in the RRR. EPJ Web of Conferences, 2017, 146, 11045.	0.1	1
69	The n_TOF facility: Neutron beams for challenging future measurements at CERN. EPJ Web of Conferences, 2017, 146, 03001.	0.1	1
70	Dissemination of data measured at the CERN n_TOF facility. EPJ Web of Conferences, 2017, 146, 07002.	0.1	3
71			
72			

#	ARTICLE	IF	CITATIONS
73	High precision measurement of the radiative capture cross section of $^{238}\text{U}$ at the n_TOF CERN facility. EPJ Web of Conferences, 2017, 146, 11028.	0.1	0
74	Time-of-flight and activation experiments on $^{147}\text{Pm}$ and $^{171}\text{Tm}$ for astrophysics. EPJ Web of Conferences, 2017, 146, 01007.	0.1	0
75	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. EPJ Web of Conferences, 2017, 146, 08004.	0.1	3
76	Measurement of the $^{240}\text{Pu}(n,f)$ 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
77	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. EPJ Web of Conferences, 2017, 146, 11021.	0.1	7
78	Measurement of the $^{241}\text{Am}$ neutron capture cross section at the n_TOF facility at CERN. EPJ Web of Conferences, 2017, 146, 11022.	0.1	1
79	Production Uncertainties of p-Nuclei in the $\hat{1}^3$ -Process in Massive Stars Using a Monte Carlo Approach. , 2017, , .		0
80	The CERN n_TOF facility: a unique tool for nuclear data measurement. EPJ Web of Conferences, 2016, 122, 05001.	0.1	3
81	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.	0.1	2
82	High accuracy $^{235}\text{U}(n,f)$ data in the resonance energy region. EPJ Web of Conferences, 2016, 111, 02003.	0.1	7
83	Theory considerations for nucleosynthesis beyond Fe with special emphasis on p-nuclei in massive stars. AIP Conference Proceedings, 2016, , .	0.3	1
84	Experiments with neutron beams for the astrophysical $s$ -process. Journal of Physics: Conference Series, 2016, 665, 012020.	0.3	2
85	Revision of the derivation of stellar rates from experiment and impact on Eu s-process contributions. Journal of Physics: Conference Series, 2016, 665, 012024.	0.3	3
86	Hybrid method to resolve the neutrino mass hierarchy by supernova (anti)neutrino induced reactions. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 007-007.	1.9	10
87	Nuclear astrophysics with radioactive ions at FAIR. Journal of Physics: Conference Series, 2016, 665, 012044.	0.3	9
88	Cross section measurements for $\hat{1}^3$ -process studies using a LEPS detector. Journal of Physics: Conference Series, 2016, 665, 012041.	0.3	1
89	The role of fission on neutron star mergers and its impact on the r-process peaks. AIP Conference Proceedings, 2016, , .	0.3	0
90	Nuclear data activities at the n_TOF facility at CERN. European Physical Journal Plus, 2016, 131, 1.	1.2	26

#	ARTICLE	IF	CITATIONS
91	Uncertainties in the production of $p$ nuclei in massive stars obtained from Monte Carlo variations. Monthly Notices of the Royal Astronomical Society, 2016, 463, 4153-4166.	1.6	53
92	The Impact of Fission on R-Process Calculations. Journal of Physics: Conference Series, 2016, 665, 012054.	0.3	12
93	Experimental study of the astrophysical ${}^7\text{Be}(n, \alpha){}^4\text{He}$ reaction cross section at the CERN n_TOF facility. Physical Review C, 2016, 93, .	2.9	94
94	Neutron-induced fission cross section of ${}^{237}\text{Np}$ in the keV to MeV range at the CERN n_TOF facility. Physical Review C, 2016, 93, .	1.1	11
95	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.	0.1	14
96	Integral measurement of the ${}^{12}\text{C}(n, p){}^{12}\text{B}$ reaction up to 10 GeV. European Physical Journal A, 2016, 52, 1.	1.1	14
97	$s$ -process production in rotating massive stars at solar and low metallicities. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1803-1825.	1.0	9
98	Experimental setup and procedure for the measurement of the ${}^7\text{Be}(n, \alpha){}^4\text{He}$ 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
99	Investigation of Alpha-Induced Reactions on ${}^{107}\text{Ag}$ at Astrophysical Energies. Journal of Physics: Conference Series, 2016, 665, 012043.	0.3	0
100	Current hot questions on the $s$ process in AGB stars. Journal of Physics: Conference Series, 2016, 665, 012021.	0.3	1
101	Nuclear Data for the Thorium Fuel Cycle and the Transmutation of Nuclear Waste. , 2016, , 207-214.		1
102	High-accuracy determination of the ${}^{235}\text{U}(n, \gamma){}^{236}\text{U}$ reaction cross section at the CERN n_TOF facility. Physical Review C, 2015, 92, .	0.3	0
103	Nuclear reactions for nucleosynthesis beyond Fe. AIP Conference Proceedings, 2015, , .	0.3	0
104	Experimental neutron capture data of ${}^{58}\text{Ni}$ from the CERN n_TOF facility. EPJ Web of Conferences, 2015, 93, 02009.	0.1	0
105	Measurement of $({}^7\text{Be}, n)$ , $({}^9\text{Be}, n)$ reaction cross sections of erbium isotopes for testing astrophysical rate predictions. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 055103.	1.4	16
106	TESTING THE ROLE OF SNe Ia FOR GALACTIC CHEMICAL EVOLUTION OF $p$ -NUCLEI WITH TWO-DIMENSIONAL MODELS AND WITH $s$ -PROCESS SEEDS AT DIFFERENT METALLICITIES. Astrophysical Journal, 2015, 799, 54.	1.6	46
107	High-accuracy determination of the ${}^{235}\text{U}(n, \gamma){}^{236}\text{U}$ reaction cross section at the CERN n_TOF facility. Physical Review C, 2015, 92, .	1.1	24
108	Experimental neutron capture data of ${}^{58}\text{Ni}$ from the CERN n_TOF facility. EPJ Web of Conferences, 2015, 93, 02009.	0.1	0

#	ARTICLE	IF	CITATIONS
109	Statistical model cross section calculations for induced reactions on $^{127}\text{I}$	1.1	17
110	The $^{106}\text{Cd}(\hat{1}\pm, \hat{1}\pm)^{106}\text{Cd}$ elastic scattering in a wide energy range for $\hat{1}^3$ process studies. Nuclear Physics A, 2015, 940, 194-209.	0.6	12
111	THE ROLE OF FISSION IN NEUTRON STAR MERGERS AND ITS IMPACT ON THE $r$ -PROCESS PEAKS. Astrophysical Journal, 2015, 808, 30.	1.6	156
112	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
113	The nucleosynthesis of heavy elements in Stars: the key isotope $^{25}\text{Mg}$ . EPJ Web of Conferences, 2014, 66, 07016.	0.1	1
114	Measurements of neutron cross sections for advanced nuclear energy systems at n_TOF (CERN). EPJ Web of Conferences, 2014, 66, 10001.	0.1	2
115	Neutron cross-sections for advanced nuclear systems: the n_TOF project at CERN. EPJ Web of Conferences, 2014, 79, 01003.	0.1	0
116	$^{238}\text{U}(n, \hat{1}^3)$ reaction cross section measurement with C6D6 detectors at the n_TOF CERN facility.. EPJ Web of Conferences, 2014, 66, 03061.	0.1	1
117	Measurement of alpha-induced reaction cross sections on erbium isotopes for $\hat{1}^3$ process studies. , 2014, Thermonuclear		0
118	Cross-section measurement of the $^{127}\text{I}(\alpha, n)^{130}\text{Xe}$ reaction	0.1	10
119	Experimental neutron capture data of $^{137}\text{Ba}$ and $^{137}\text{La}$ reaction	1.1	28
120	Experimental neutron capture data of $^{137}\text{Ba}$ and $^{137}\text{La}$ reaction	1.1	28
121	Experimental cross sections of $^{165}\text{Ho}(\hat{1}\pm, n)^{166}\text{Ho}$ and $^{166}\text{Er}(\hat{1}\pm, n)^{167}\text{Er}$ for optical potential studies relevant for the astrophysical $\hat{1}^3$ process. Physical Review C, 2014, 89, .	1.1	21
122	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, 89, .	1.1	31
123	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, .	1.1	14
124	RADIOGENIC $p$ -ISOTOPES FROM TYPE Ia SUPERNOVA, NUCLEAR PHYSICS UNCERTAINTIES, AND GALACTIC CHEMICAL EVOLUTION COMPARED WITH VALUES IN PRIMITIVE METEORITES. Astrophysical Journal, 2014, 795, 141.	1.6	38
125	Measurement of the $^{241}\text{Am}(\alpha, n)^{244}\text{Cm}$ reaction	1.1	10
126	Neutron-induced fission cross section of $^{234}\text{U}$ measured at the CERN n_TOF facility. Physical Review C, 2014, 89, .	1.1	14



#	ARTICLE	IF	CITATIONS
127	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
128	Measurement of the $(n, \hat{I}_{\pm})$ reaction and its astrophysical reaction and its astrophysical capture cross section at the n_TOF facility at CERN. Physical Review C, 2014, 89, .	1.1	13
129	Measurement and analysis of the $(n, \hat{I}_{\pm})$ reaction and its astrophysical capture cross section at the n_TOF facility at CERN. Physical Review C, 2014, 89, .	1.1	26
130	Neutron Capture Reactions on Fe and Ni Isotopes for the Astrophysical s-process. Nuclear Data Sheets, 2014, 120, 201-204.	0.7	2
131	The $(n, \hat{I}_{\pm})$ Reaction in the s-process Branching Point $^{59}\text{Ni}$ . Nuclear Data Sheets, 2014, 120, 208-210.	0.7	14
132	The Karlsruhe Astrophysical Database of Nucleosynthesis in Stars Project â€œ Status and Prospects. Nuclear Data Sheets, 2014, 120, 171-174.	0.7	41
133	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
134	Alpha induced reaction cross section measurements on $^{162}\text{Er}$ for the astrophysical $\hat{I}_{\pm}$ process. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 40-44.	1.5	30
135	Challenges in nucleosynthesis of trans-iron elements. AIP Advances, 2014, 4, .	0.6	31
136	Neutron cross-sections for advanced nuclear systems: the n_TOF project at CERN. EPJ Web of Conferences, 2014, 79, 01003.	0.1	0
137	Solution of the $\hat{I}_{\pm}$ -Potential Mystery in the $\hat{I}_{\pm}$ Process and Its Impact on the Nd/Sm Ratio in Meteorites. Physical Review Letters, 2013, 111, 061104.	2.9	32
138	Constraining the astrophysical origin of the p-nuclei through nuclear physics and meteoritic data. Reports on Progress in Physics, 2013, 76, 066201.	8.1	221
139	High-accuracy determination of the neutron flux at n_TOF. European Physical Journal A, 2013, 49, 1.	1.0	71
140	Performance of the neutron time-of-flight facility n_TOF at CERN. European Physical Journal A, 2013, 49, 1.	1.0	205
141	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.	1.0	9
142	A new CVD diamond mosaic-detector for $(n, \hat{I}_{\pm})$ reaction and its astrophysical capture cross section at the n_TOF facility at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 190-194.	0.7	26
143	Measurement of the $(n, \hat{I}_{\pm})$ reaction and its astrophysical capture cross section at the n_TOF facility at CERN. Physical Review Letters, 2013, 110, 022501.	2.9	44
144	Systematic study of $(n, \hat{I}_{\pm})$ reactions on Ni isotopes. Physical Review C, 2013, 87, .	1.1	13

#	ARTICLE	IF	CITATIONS
145	Neutron research at the N_TOF facility (CERN): Results and perspectives. , 2013, , .		0
146	SILICON CARBIDE GRAINS OF TYPE C PROVIDE EVIDENCE FOR THE PRODUCTION OF THE UNSTABLE ISOTOPE $^{32}\text{Si}$ IN SUPERNOVAE. Astrophysical Journal Letters, 2013, 771, L7.	3.0	29
147	EUROPIUM $s$ -PROCESS SIGNATURE AT CLOSE-TO-SOLAR METALLICITY IN STARDUST SIC GRAINS FROM ASYMPTOTIC GIANT BRANCH STARS. Astrophysical Journal Letters, 2013, 768, L18.	3.0	14
148	Measurement of the $^{90}\text{Zr}(\text{n},\text{p})^{89}\text{Zr}$ reaction cross section at the n_TOF facility at CERN. Physical Review C, 2012, 85, .	1.1	15
149	Suppression of excited-state contributions to stellar reaction rates. Physical Review C, 2013, 88, .	1.1	9
150	High precision $\ln(\sigma_{\text{ETQq0}})$ for the reaction $^{113}\text{In}(\text{n},\text{p})^{112}\text{Sn}$ . Astrophysical Journal Letters, 2013, 771, L7.	1.1	25
151	General properties of astrophysical reaction rates in explosive nucleosynthesis. Journal of Physics: Conference Series, 2013, 420, 012138.	0.3	7
152	Angular distribution in the neutron-induced fission of actinides. EPJ Web of Conferences, 2013, 62, 08003.	0.1	1
153	THE Am-243 NEUTRON CAPTURE MEASUREMENT AT THE n_TOF FACILITY. , 2013, , .		0
154	SENSITIVITY OF ASTROPHYSICAL REACTION RATES TO NUCLEAR UNCERTAINTIES. Astrophysical Journal, Supplement Series, 2012, 201, 26.	3.0	88
155	Measurement of resolved resonances of $^{232}\text{Th}(\text{n},\text{p})^{231}\text{Th}$ at the n_TOF facility at CERN. Physical Review C, 2012, 85, .	1.1	23
156	Astrophysical analysis of the measurement of $\hat{\sigma}(\text{n},\text{p})$ and $\hat{\sigma}(\text{n},\text{n})$ cross sections of $^{169}\text{Tm}$ . Physical Review C, 2012, 86, .	1.1	20
157	Publisher's Note: Measurement of resolved resonances of $^{232}\text{Th}(\text{n},\text{p})^{231}\text{Th}$ at the n_TOF facility at CERN. Physical Review C, 2012, 85, .	1.1	23
158	Investigation of the reaction $^{74}\text{Ge}(\text{n},\text{p})^{73}\text{Ge}$ at the n_TOF facility at CERN. Physical Review C, 2012, 85, .	1.1	29
159	Measurement and resonance analysis of the $^{237}\text{Np}$ neutron capture cross section. Physical Review C, 2012, 85, .	1.1	26
160	Publisher's Note: Investigation of $^{127}\text{I}(\text{n},\text{p})^{126}\text{I}$ for the astrophysical $s$ -process [Phys. Rev. C <b>86</b> , 035801 (2012)].	1.1	0
161	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, .	1.1	13
162	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.2 CERN. Physica Scripta, 2012, T150, 014005.		2

#	ARTICLE	IF	CITATIONS
163	Investigation of $\hat{1}\pm$ -nuclear potential families from elastic scattering experiments. Journal of Physics: Conference Series, 2012, 337, 012030.	0.3	0
164	Investigation of $\hat{1}\pm$ -induced reactions on $^{127}\text{Ba}$ and $^{132}\text{Ba}$ and their importance for the synthesis of $^{133}\text{Ba}$ . Physical Review C, 2012, 86.	1.1	21
165	FORMALISM FOR INCLUSION OF MEASURED REACTION CROSS SECTIONS IN STELLAR RATES INCLUDING UNCERTAINTIES AND ITS APPLICATION TO NEUTRON CAPTURE IN THE $s$ -PROCESS. Astrophysical Journal Letters, 2012, 755, L10.	3.0	52
166	Resonance neutron-capture cross sections of stable magnesium isotopes and their astrophysical implications. Physical Review C, 2012, 85, .	1.1	55
167	NUCLEOSYNTHESIS IN CORE-COLLAPSE SUPERNOVA EXPLOSIONS TRIGGERED BY A QUARK-HADRON PHASE TRANSITION. Astrophysical Journal, 2012, 758, 9.	1.6	23
168	Proton-rich nucleosynthesis and nuclear physics. , 2012, , .		4
169	Present status and future programs of the n_TOF experiment. EPJ Web of Conferences, 2012, 21, 03001.	0.1	2
170	Reaction rate uncertainties and the $\hat{1}\frac{1}{2}$ p-process. , 2012, , .		6
171	Investigation of $\hat{1}\pm$ -induced reactions on $^{130}\text{Ba}$ and $^{132}\text{Ba}$ and their importance for the synthesis of $^{133}\text{Ba}$ . Physical Review C, 2012, 86.	1.1	38
172	Simultaneous measurement of neutron-induced capture and fission reactions at CERN. European Physical Journal A, 2012, 48, 1.	1.0	19
173	THE PATH TO IMPROVED REACTION RATES FOR ASTROPHYSICS. International Journal of Modern Physics E, 2011, 20, 1071-1169.	0.4	113
174	Astrophysics at n_TOF Facility at CERN. Journal of Physics: Conference Series, 2011, 312, 042024.	0.3	0
175	OPPORTUNITIES TO CONSTRAIN ASTROPHYSICAL REACTION RATES FOR THE $s$ -PROCESS VIA DETERMINATION OF THE GROUND-STATE CROSS-SECTIONS. Astrophysical Journal, 2011, 738, 143.	1.6	43
176	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
177	Activation method combined with characteristic X-ray counting: A possibility to measure cross sections on heavy p-nuclei. Nuclear Physics A, 2011, 867, 52-65.	0.6	13
178	Neutron-induced reaction rates for the r-process. Bulletin of the Russian Academy of Sciences: Physics, 2011, 75, 484-489.	0.1	2
179	Neutron-induced fission cross-section of $^{233}\text{U}$ in the energy range 0.5 &lt; En &lt; 20 MeV. European Physical Journal A, 2011, 47, 1.	1.0	15
180	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.	1.0	11

#	ARTICLE	IF	CITATIONS
181	The electronâ€œion scattering experiment ELISE at the International Facility for Antiproton and Ion Research (FAIR)â€œ A conceptual design study. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 637, 60-76.	0.7	85
182	Determining reaction cross sections via characteristic X-ray detection: Î±-induced reactions on 169Tm for the astrophysical Î³-process. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 419-423.	1.5	44
183	What are the astrophysical sites for the r-process and the production of heavy elements?. Progress in Particle and Nuclear Physics, 2011, 66, 346-353.	5.6	229
184	The [ <sup>237</sup> Np(n,f) cross section at the CERN n-TOF facility. , 2011, , .		1
185	Mass Measurements of Very Neutron-Deficient Mo and Tc Isotopes and Their Impact on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>r</mml:mi><mml:mi>p</mml:mi></mml:math> Process Nucleosynthesis. Determination of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>141</mml:mn></mml:msup></mml:math>Pr(<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>r</mml:mi><mml:mi>p</mml:mi></mml:math>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>r</mml:mi><mml:mi>p</mml:mi></mml:math> Physical Review Letters, 2011, 106, 122501.	2.9	46
186		1.1	60
187	Cross sections for proton-induced reactions on Pd isotopes at energies relevant for the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math> process. Physical Review C, 2011, 84, .	1.1	25
188	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, .	1.1	24
189	<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">Di</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, .	1.1	36
190	Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>236</mml:mi>U(n,f) cross section from 170 meV to 2 MeV at the CERNn_TOFfacility. Physical Review C, 2011, 84, .	1.1	14
191	<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 xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>r</mml:mi><mml:mi>p</mml:mi></mml:math>Tj ETQq1 1+0.784314 68 rgBT /Overlock 10 Tf 50 547 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>r</mml:mi><mml:mi>p</mml:mi></mml:math> Physical Review Letters, 2011, 106, 122501.		
192	CORE-COLLAPSE SUPERNOVA EXPLOSIONS TRIGGERED BY A QUARK-HADRON PHASE TRANSITION DURING THE EARLY POST-BOUNCE PHASE. Astrophysical Journal, Supplement Series, 2011, 194, 39.	3.0	136
193	The Neutron Time-Of-Flight Facility n_TOF At CERN: Phase II. , 2011, , .		1
194	Origin of the Chemical Elements. , 2011, , 611-665.		7
195	Nuclear Reactions. Lecture Notes in Physics, 2011, , 461-489.	0.3	2
196	Study of Photon Strength Function of Actinides: the Case of 235U, 238Np and 241Pu. Journal of the Korean Physical Society, 2011, 59, 1510-1513.	0.3	9
197	Neutron Capture Measurementns on Minor Actinides at the n_TOF Facility at CERN: Past, Present and Future. Journal of the Korean Physical Society, 2011, 59, 1809-1812.	0.3	2
198	<sup>237</sup> Np(n,f) Cross Section: New Data and Present Status. Journal of the Korean Physical Society, 2011, 59, 1908-1911.	0.3	2



#	ARTICLE	IF	CITATIONS
217	$\text{Au} \text{ Tj ETQq1 1 0.784314 rgBT /Ov}$	1.1	55
218	$\text{Zr} \text{ Tj ETQq0 0 0 rgBT /Ov}$	1.1	33
219	cross sections of $\text{Os}$	1.1	28
220	THE JINA REACLIB DATABASE: ITS RECENT UPDATES AND IMPACT ON TYPE-I X-RAY BURSTS. <i>Astrophysical Journal, Supplement Series</i> , 2010, 189, 240-252.	3.0	721
221	Astrophysical Reaction Rates as a Challenge for Nuclear Reaction Theory. , 2010, , .		1
222	Astrophysical S-Factors and Reaction Rates of Threshold (p, n)-Reactions on $^{102}\text{Ru}$ . , 2010, , .		0
223	CHARGED-PARTICLE AND NEUTRON-CAPTURE PROCESSES IN THE HIGH-ENTROPY WIND OF CORE-COLLAPSE SUPERNOVAE. <i>Astrophysical Journal</i> , 2010, 712, 1359-1377.	1.6	168
224	Neutron-induced fission cross section of $\text{U}$ and $\text{Np}$	1.1	72
225	The r-, p-, and $\frac{1}{2}p$ -Process. <i>Journal of Physics: Conference Series</i> , 2010, 202, 012006.	0.3	12
226	Experimental challenges for the Re/Os clock. , 2010, , .		0
227	Neutron capture measurements on the s-process termination isotopes lead and bismuth. , 2010, , .		0
228	Present status of the KADoNIS database. , 2010, , .		0
229	$n \pm$ TOF Experiment: Past, Present And Future. , 2009, , .		0
230	Astrophysical S-factor for $\frac{1}{2}$ -Capture of $^{113}\text{In}$ in the p-Process Energy Range. , 2009, , .		0
231	The $^{85}\text{Rb}(p,n)^{85}\text{Sr}$ reaction and the modified proton optical potential. , 2009, , .		0
232	Impact of uncertainties in reaction $Q$ values on nucleosynthesis in type I x-ray bursts. <i>Physical Review C</i> , 2009, 79, .	1.1	57
233	$\text{Rb}$ stretchy="false" ( $\text{p}$ ) $\text{n}$ $\text{Tj ETQq1 1 0.784314 rgBT /Ov}$	1.1	40
234	Oddisotope $^{113}\text{In}$ : Measurement of $\frac{1}{2}$ -induced reactions. <i>Physical Review C</i> , 2009, 79, .	1.1	63

#	ARTICLE	IF	CITATIONS
235	High-accuracy $^{233}\text{U}(n,f)$ cross-section measurement at the white-neutron source n_TOF from near-thermal to 1 MeV neutron energy. <i>Physical Review C</i> , 2009, 80, .	1.1	30
236	Low-lying dipole response in the relativistic quasiparticle time blocking approximation and its influence on neutron capture cross sections. <i>Nuclear Physics A</i> , 2009, 823, 26-37.	0.6	87
237	The n_TOF Total Absorption Calorimeter for neutron capture measurements at CERN. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 608, 424-433.	0.7	80
238	Boron depletion in 9 to 15 $M_{\odot}$ stars with rotation. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 421-422.	0.0	0
239	Fission cross-section measurements on $^{233}\text{U}$ and minor actinides at the CERN n_TOF facility. , 2009, , .		0
240	Two effects relevant for the study of astrophysical reaction rates: $\hat{I}^3$ transitions in capture reactions and Coulomb suppression of the stellar enhancement. , 2009, , .		0
241	Chemistry of heavy elements in the Dark Ages. <i>Astronomy and Astrophysics</i> , 2009, 503, 47-59.	2.1	22
242	Hauser-Feshbach reaction rates with parity-dependent level densities. , 2009, , .		0
243	Sensitivity of X-Ray Burst Models to Uncertainties in Nuclear Processes. , 2009, , .		0
244	Complete inclusion of parity-dependent level densities in the statistical description of astrophysical reaction rates. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 666, 395-399.	1.5	16
245	Crucial inputs to nucleosynthesis calculations. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 014026.	1.4	5
246	Recent Results at n_TOF and Future Perspectives. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	0
247	Recent Experiments at ORELA and LANSCE, and Their Impact on Compound Nuclear Models. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	1
248	$\langle i \rangle$ -Process simulations with a modified reaction library. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 014029.	1.4	24
249	Investigation of proton-induced reactions on Germanium isotopes. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 014032.	1.4	1
250	Nuclear physics for the Re/Os clock. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 014015.	1.4	8
251	The measurement of the $^{206}\text{Pb}(n, \hat{I}^3)$ cross section and stellar implications. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 014020.	1.4	11
252	Experimental Astrophysical Reaction Rates of Threshold (p,n)-Reactions on Pd Isotopes. <i>AIP Conference Proceedings</i> , 2008, , .	0.3	0

#	ARTICLE	IF	CITATIONS
253	Coulomb Suppression of the Stellar Enhancement Factor. Physical Review Letters, 2008, 101, 191101.	2.9	47
254	Experimental study of the $\langle \text{Zr} \rangle$ bottleneck in the $\langle \text{Tj ETQqO} \rangle$ process reaction flow. Physical Review C, 2008, 78, .	1.1	34
255	Bottleneck in the $\langle \text{Zr} \rangle$ process reaction flow. Mass measurements in the vicinity of the $\langle \text{Zr} \rangle$ process reaction flow. Physical Review C, 2008, 78, .	1.1	44
256	Mass measurements in the vicinity of the $\langle \text{Zr} \rangle$ process reaction flow. Astrophysical relevance of $\langle \text{Zr} \rangle$ transition energies. Physical Review C, 2008, 78, .	1.1	119
257	Astrophysical relevance of $\langle \text{Zr} \rangle$ transition energies. Physical Review C, 2008, 78, .	1.1	23
258	Cross section measurements of $\langle \text{Zr} \rangle$ -induced reactions on $\langle \text{Mo}92,94 \rangle$ and $\langle \text{Sn}112 \rangle$ for p-process studies. Physical Review C, 2008, 78, .	1.1	39
259	$\langle \text{Lu} \rangle$ / $\langle \text{Hf} \rangle$ : A Sensitive Test of $\langle \text{s} \rangle$ Process Temperature and Neutron Density in AGB Stars. Astrophysical Journal, 2008, 673, 434-444.	1.6	31
260	Iron 60 Evidence for Early Injection and Efficient Mixing of Stellar Debris in the Protosolar Nebula. Astrophysical Journal, 2008, 686, 560-569.	1.6	92
261	THE R-PROCESS: SUPERNOVAE AND OTHER SOURCES OF THE HEAVIEST ELEMENTS. International Journal of Modern Physics E, 2007, 16, 1149-1163.	0.4	6
262	Measurements of neutron capture cross-sections at $\langle \text{n}_\pm \text{TOF} \rangle$ . AIP Conference Proceedings, 2007, , .	0.3	0
263	Measurement of the Neutron Induced Fission Cross Section on Transuranic (TRU) Elements at the $\langle \text{n}_\pm \text{TOF} \rangle$ Facility at CERN. AIP Conference Proceedings, 2007, , .	0.3	0
264	Large-scale prediction of the parity distribution in the nuclear level density and application to astrophysical reaction rates. Physical Review C, 2007, 75, .	1.1	51
265	Measurement of the radiative neutron capture cross section of $\langle \text{Pb} \rangle$ and its astrophysical implications. Physical Review C, 2007, 76, .	1.1	30
266	Measurement of the neutron capture cross section of the s-only isotope $\langle \text{Pb}204 \rangle$ from 1 eV to 440 keV. Physical Review C, 2007, 75, .	1.1	32
267	Measurement of the neutron capture cross section of the s-only isotope $\langle \text{Ge} \rangle$ . Physical Review C, 2007, 75, .	1.1	35
268	Comment on $\langle \text{Heavy element production in inhomogeneous big bang nucleosynthesis} \rangle$ . Physical Review D, 2007, 75, .	1.6	5
269	The $\langle \text{La}139 \rangle$ cross section: Key for the onset of the s-process. Physical Review C, 2007, 75, .	1.1	24
270	Proton capture cross-section of $\langle \text{Cd}106,108 \rangle$ for the astrophysical p-process. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 817-825.	1.4	18



#	ARTICLE	IF	CITATIONS
271	Production of intermediate-mass and heavy nuclei. Progress in Particle and Nuclear Physics, 2007, 59, 74-93.	5.6	16
272	The role of fission in the r-process. Progress in Particle and Nuclear Physics, 2007, 59, 199-205.	5.6	65
273	Neutron reactions and nuclear cosmo-chronology. Progress in Particle and Nuclear Physics, 2007, 59, 165-173.	5.6	7
274	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.	0.6	35
275	The neutron capture cross sections of $^{237}\text{Np}(n,\hat{1}^3)$ and $^{240}\text{Pu}(n,\hat{1}^3)$ and its relevance in the transmutation of nuclear waste. , 2007, , .		5
276	Simultaneous measurement of the neutron capture and fission yields of $^{233}\text{U}$ . , 2007, , .		5
277	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
278	Capture cross section measurements of 186,187,188Os at n_TOF: the resolved resonance region. , 2007, , .		5
279	The $^{234}\text{U}$ neutron capture cross section measurement at the n_TOF facility. , 2007, , .		3
280	New stellar $(n,\hat{1}^3)$ cross sections and the "Karlsruhe Astrophysical Database of Nucleosynthesis in Stars". , 2007, , .		1
281	Astrophysical S-factors and reaction rates of (p,n)-reactions on $^{117}\text{Sn}$ , $^{118}\text{Sn}$ , $^{122}\text{Sn}$ , and $^{124}\text{Sn}$ . , 2007, , .		1
282	Neutron resonance spectroscopy at n_TOF at CERN. , 2007, , .		1
283	Measurement of the $^{90,91,92,93,94,96}\text{Zr}(n,\hat{1}^3)$ and $^{139}\text{La}(n,\hat{1}^3)$ cross sections at n_TOF. , 2007, , .		10
284	Improved lead and bismuth $(n,\hat{1}^3)$ cross sections and their astrophysical impact. , 2007, , .		6
285	Measurement of the $^{197}\text{Au}(n,\hat{1}^3)$ cross section at n_TOF: towards a new standard. , 2007, , .		4
286	An Updated Library of Reaction Rates for the Astrophysical rp-Process. AIP Conference Proceedings, 2006, , .	0.3	2
287	Neutron captures and the r-process. AIP Conference Proceedings, 2006, , .	0.3	4
288	Measurement of $^{139}\text{La}(n,\hat{1}^3)$ Cross Section. AIP Conference Proceedings, 2006, , .	0.3	0

#	ARTICLE	IF	CITATIONS
289	Measurement of the resonance capture cross section of $^{204,206}\text{Pb}$ and termination of the s-process. AIP Conference Proceedings, 2006, , .	0.3	0
290	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, , .	0.3	3
291	KADoNiS- The Karlsruhe Astrophysical Database of Nucleosynthesis in Stars. AIP Conference Proceedings, 2006, , .	0.3	220
292	Cross section predictions for hydrostatic and explosive burning. Nuclear Physics A, 2006, 777, 137-156.	0.6	35
293	$(n, \hat{1}^3)$ cross-sections of light p nuclei. European Physical Journal A, 2006, 27, 129-134.	1.0	8
294	Study of the N = 28 shell closure in the Ar isotopic chain. European Physical Journal A, 2006, 27, 309-314.	1.0	11
295	Neutron cross section measurements at n-TOF for ADS related studies. Journal of Physics: Conference Series, 2006, 41, 352-360.	0.3	2
296	Measurement of $^{139}\text{La}(n, \hat{1}^3)$ Cross Section at n_TOF. AIP Conference Proceedings, 2006, , .	0.3	0
297	Implications of $^{151}\text{Sm}(n, \hat{1}^3)$ Cross Section at n_TOF. AIP Conference Proceedings, 2006, , .	0.3	0
298	Elastic $\hat{1}^{\pm}$ -scattering on proton rich nuclei at astrophysically relevant energies. AIP Conference Proceedings, 2006, , .	0.3	1
299	Comment on $^{187}\text{Re}(n, \hat{1}^3)$ cross section close to and above the neutron threshold. Physical Review C, 2006, 74, .	1.1	0
300	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, .	1.1	36
301	New measurement of neutron capture resonances in $^{209}\text{Bi}$ . Physical Review C, 2006, 74, .	1.1	46
302	R-matrix analysis of Cl neutron cross sections up to 1.2 MeV. Physical Review C, 2006, 73, .	1.1	18
303	$\hat{1}^{\pm}$ -induced cross sections of $^{106}\text{Cd}$ for the astrophysical process. Physical Review C, 2006, 74, .	1.1	74
304	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, .	1.1	41
305	Resonance capture cross section of $^{207}\text{Pb}$ . Physical Review C, 2006, 74, .	1.1	32
306	Branchings in the $\hat{1}^3$ process path revisited. Physical Review C, 2006, 73, .	1.1	104

#	ARTICLE	IF	CITATIONS
307	Experimental $(n, \hat{1}^3)$ cross sections of the p-process nuclei $^{74}\text{Se}$ and $^{84}\text{Sr}$ . <i>Physical Review C</i> , 2006, 73, .	1.1	17
308	Radiative capture reactions and $\hat{1}^\pm$ -elastic scattering on $^{106}\text{Cd}$ for the astrophysical p-process. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	0
309	$(n, \hat{1}^3)$ cross-sections of light p nuclei. , 2006, , 129-134.		0
310	Study of the $N = 28$ shell closure in the Ar isotopic chain. , 2006, , 309-314.		0
311	Measurement of the $^{151}\text{Sm}(n, \hat{1}^3)^{152}\text{Sm}$ cross section at n_TOF. <i>Nuclear Physics A</i> , 2005, 758, 533-536.	0.6	7
312	Neutron capture cross section measurements for nuclear astrophysics at CERN n_TOF. <i>Nuclear Physics A</i> , 2005, 758, 501-504.	0.6	7
313	Measurements of the $^{90,91,92,94,96}\text{Zr}(n, \hat{1}^3)$ cross-sections at n_TOF. <i>Nuclear Physics A</i> , 2005, 758, 573-576.	0.6	2
314	The data acquisition system of the neutron time-of-flight facility n_TOF at CERN. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 538, 692-702.	0.7	84
315	Calculations of fission rates for r-process nucleosynthesis. <i>Nuclear Physics A</i> , 2005, 747, 633-654.	0.6	106
316	Nuclear Physics: A Key Ingredient in Astrophysical Modeling. <i>Nuclear Physics A</i> , 2005, 751, 301-326.	0.6	9
317	Parity-Dependence in the Nuclear Level Density. <i>Nuclear Physics A</i> , 2005, 758, 154-157.	0.6	5
318	The $(n, \hat{1}^3)$ cross sections of the p-process nuclei $^{74}\text{Se}$ and $^{84}\text{Sr}$ at. <i>Nuclear Physics A</i> , 2005, 758, 513-516.	0.6	2
319	A comprehensive study of the $^{106}\text{Cd}(\hat{1}^\pm, \hat{1}^3)^{110}\text{Sn}$ reaction at energies relevant to the p-process. <i>Nuclear Physics A</i> , 2005, 758, 517-520.	0.6	16
320	Reaction Rate Sensitivity of the $\hat{1}^3$ -Process Path. <i>Nuclear Physics A</i> , 2005, 758, 549-552.	0.6	6
321	Neutron Captures in the r-Process – Do We Know Them and Does It Make Any Difference?. <i>Nuclear Physics A</i> , 2005, 758, 655-658.	0.6	12
322	Astrophysical conditions for an r-process in the high-entropy wind scenario of type II supernovae. <i>Nuclear Physics A</i> , 2005, 758, 631-634.	0.6	12
323	The n_TOF Facility at CERN: Performances and First Physics Results. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	2
324	High-Resolution Study of $^{237}\text{Np}$ Fission Cross Section from 5 eV to 1 MeV. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	2

#	ARTICLE	IF	CITATIONS
325	Neutron Capture Cross Sections for the Re/Os Clock. AIP Conference Proceedings, 2005, , .	0.3	1
326	New Measurement of the Capture Cross Section of Bismuth and Lead Isotopes. AIP Conference Proceedings, 2005, , .	0.3	0
327	Towards a parity-dependent level density for astrophysics. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1927-S1930.	1.4	3
328	Measurement of the $^{232}\text{Th}$ Neutron Capture Cross Section at the CERN n_TOF Facility. AIP Conference Proceedings, 2005, , .	0.3	0
329	Measurement of Capture Cross Sections of $^{90,91,92,94,96}\text{Zr}$ Isotopes at n_TOF. AIP Conference Proceedings, 2005, , .	0.3	0
330	Measurements at n_TOF of the Neutron Capture Cross Section of Minor Actinides Relevant to the Nuclear Waste Transmutation. AIP Conference Proceedings, 2005, , .	0.3	3
331	Elastic $\hat{\pm}$ scattering on $^{112}\text{Sn}$ and $^{124}\text{Sn}$ at astrophysically relevant energies. Physical Review C, 2005, 71, .	1.1	44
332	Resonance analysis of $^{147}\text{Sm}(n,\hat{\pm})$ cross sections: Comparison to optical model calculations and indications of nonstatistical effects. Physical Review C, 2004, 69, .	1.1	29
333	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.	2.9	65
334	Models for Type I X-ray Bursts with Improved Nuclear Physics. Astrophysical Journal, Supplement Series, 2004, 151, 75-102.	3.0	286
335	Sensitivity of the C and O production on the $^3\hat{\pm}$ rate. Astrophysics and Space Science, 2004, 291, 27-56.	0.5	33
336	Modeling the nucleosynthesis of massive stars. New Astronomy Reviews, 2004, 48, 3-6.	5.2	1
337	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.	0.7	34
338	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.	0.7	101
339	Predicted cross-sections for photon-induced particle emission. Atomic Data and Nuclear Data Tables, 2004, 88, 1-81.	0.9	50
340	NEUTRON CAPTURES AND THE $\text{R}$ -PROCESS. , 2004, , .		3
341	FISSION BARRIERS: HOW DO THEY AFFECT THE R-PROCESS?. , 2004, , .		0
342	A low-mass neutron flux monitor for the n_TOF facility at CERN. Brazilian Journal of Physics, 2004, 34, 914-918.	0.7	1

#	ARTICLE	IF	CITATIONS
343	THE R-PROCESS IN SUPERNOVAE. , 2004, , .		0
344	Nuclear data needs for the study of nucleosynthesis in massive stars. Nuclear Physics A, 2003, 718, 3-12.	0.6	40
345	Nuclear cross sections, nuclear structure and stellar nucleosynthesis. Nuclear Physics A, 2003, 718, 139-146.	0.6	84
346	Nucleosynthesis of heavy elements in massive stars. Nuclear Physics A, 2003, 718, 159-166.	0.6	8
347	Photoreactions in nuclear astrophysics. Nuclear Physics A, 2003, 718, 243-246.	0.6	9
348	Prediction of astrophysical reaction rates as a challenge to nuclear physics. Nuclear Physics A, 2003, 718, 347-350.	0.6	0
349	The $^{208}\text{Pb}(n, \hat{1}^3)$ cross section. Nuclear Physics A, 2003, 718, 518-520.	0.6	12
350	Determination of the $(n, \hat{1}^3)$ reaction rate of unstable $^{185}\text{W}$ in the astrophysical s-process via its inverse reaction. Nuclear Physics A, 2003, 718, 533-535.	0.6	3
351	Hydrostatic and explosive nucleosynthesis in massive stars using improved nuclear and stellar physics. Nuclear Physics A, 2003, 718, 463-465.	0.6	13
352	Determination of $(\hat{1}^3, n)$ reaction rates for the astrophysical $\hat{1}^3$ process. Nuclear Physics A, 2003, 718, 575-577.	0.6	4
353	$\hat{1}^\pm$ -nucleus potentials and photon-induced nucleosynthesis. Nuclear Physics A, 2003, 718, 578-580.	0.6	3
354	The $^{45}\text{V}(p, \hat{1}^3)$ thermonuclear reaction rate relevant to $^{44}\text{Ti}$ production rate in core-collapsed supernovae: a shell model analysis. Nuclear Physics A, 2003, 718, 502-504.	0.6	0
355	Influence of parity-dependence in the nuclear level density on the prediction of astrophysical reaction rates. Nuclear Physics A, 2003, 718, 650-652.	0.6	7
356	$\text{Se}(p, \hat{1}^3)$ cross section measurements for p-process studies. Nuclear Physics A, 2003, 718, 599-601.	0.6	1
357	Short-lived p-nuclides in the early solar system and implications on the nucleosynthetic role of X-ray binaries. Nuclear Physics A, 2003, 719, C287-C295.	0.6	40
358	Measurements of astrophysical neutron capture cross sections via the inverse reaction. Nuclear Physics A, 2003, 719, C9-C12.	0.6	4
359	Evolution and nucleosynthesis of massive stars and related nuclear uncertainties. Nuclear Physics A, 2003, 719, C73-C89.	0.6	29
360	Determination of $\hat{1}^\pm$ -nucleus potentials by $\hat{1}^\pm$ -elastic scattering and its implications for the $\hat{1}^3$ -process. Nuclear Physics A, 2003, 719, C111-C114.	0.6	5

#	ARTICLE	IF	CITATIONS
361	Determination of $(n, \hat{p})$ reaction rates at s-process branching points via their inverse reactions. Nuclear Physics A, 2003, 719, C123-C126.	0.6	5
362	The origin of the Ca $\hat{e}$ Ti $\hat{e}$ Cr $\hat{e}$ Fe $\hat{e}$ Ni isotopic anomalies in the inclusion EK-1-4-1 of the Allende meteorite. Comptes Rendus Physique, 2003, 4, 541-553.	0.3	8
363	Neutron capture reaction rates for silicon and their impact on the origin of presolar mainstream SiC grains. Physical Review C, 2003, 67, .	1.1	36
364	Proton induced reaction cross section measurements on Se isotopes for the astrophysical process. Physical Review C, 2003, 68, .	1.1	40
365	Observing nucleon decay in lead perchlorate. Physical Review D, 2003, 68, .	1.6	6
366	Astrophysical reaction rate for the ${}^8\text{Li}(\hat{n}, \hat{p}){}^9\text{Li}$ reaction. Physical Review C, 2003, 67, .	1.1	15
367	Stellar Neutron Capture on Promethium: Implications for the s-process Neutron Density. Astrophysical Journal, 2003, 582, 1251-1262.	1.6	62
368	Nuclear Partition Functions at Temperatures Exceeding 10 <sup>10</sup> K. Astrophysical Journal, Supplement Series, 2003, 147, 403-408.	3.0	27
369	s-process Branching at ${}^{185}\text{W}$ . Astrophysical Journal, 2003, 583, 506-513.	1.6	52
370	${}^{76}\text{Se}(\hat{p}, \hat{n})$ CROSS SECTION MEASUREMENTS FOR s-process STUDIES. , 2003, , .		0
371	THE IMPORTANCE OF PARITY-DEPENDENCE OF THE NUCLEAR LEVEL DENSITY IN THE PREDICTION OF ASTROPHYSICAL REACTION RATES. , 2003, , .		1
372	NUCLEAR PHYSICS ISSUES OF THE R-PROCESS. , 2003, , .		1
373	REACTION RATES AND NUCLEAR PROPERTIES RELEVANT FOR NUCLEOSYNTHESIS IN MASSIVE STARS AND FAR FROM STABILITY. , 2003, , .		1
374	Direct neutron capture cross sections of ${}^{62}\text{Ni}$ in the s-process energy range. Physical Review C, 2002, 66, .	1.1	18
375	$\hat{\mu}^{\pm}$ - and neutron-induced reactions on ruthenium isotopes. Physical Review C, 2002, 66, .	1.1	47
376	${}^{45}\text{V}(\hat{p}, \hat{n})$ thermonuclear reaction rate relevant to ${}^{44}\text{Ti}$ production in core-collapse supernovae: General estimates and shell model analysis. Physical Review C, 2002, 66, .	1.1	6
377	New Maxwellian averaged neutron capture cross sections for ${}^{35,37}\text{Cl}$ . Physical Review C, 2002, 65, .	1.1	19
378	Nucleosynthesis in Massive Stars with Improved Nuclear and Stellar Physics. Astrophysical Journal, 2002, 576, 323-348.	1.6	780

#	ARTICLE	IF	CITATIONS
379	Nuclear Aspects of Stellar and Explosive Nucleosynthesis. , 2002, , 143-152.		0
380	Massive star evolution: nucleosynthesis and nuclear reaction rate uncertainties. New Astronomy Reviews, 2002, 46, 463-468.	5.2	24
381	Measurement of the ( $\hat{1}^3$ , n) cross section of the nucleus $^{197}\text{Au}$ close above the reaction threshold. Nuclear Physics A, 2002, 707, 241-252.	0.6	62
382	Neutron capture of $^{30}\text{Si}$ . Nuclear Physics A, 2002, 709, 453-466.	0.6	8
383	Cross section measurements of the $^{102}\text{Pd}(p,\hat{1}^3)^{103}\text{Ag}$ , $^{116}\text{Sn}(p,\hat{1}^3)^{117}\text{Sb}$ , and $^{112}\text{Sn}(\hat{1}^{\pm},\hat{1}^3)^{116}\text{Te}$ reactions relevant to the astrophysical rp- and $\hat{1}^3$ -processes. Nuclear Physics A, 2002, 710, 469-485.	0.6	52
384	Heavy Elements and Age Determinations. Space Science Reviews, 2002, 100, 277-296.	3.7	11
385	Nucleosynthesis and Stellar Evolution. Astrophysics and Space Science, 2002, 281, 25-37.	0.5	26
386	Nucleosynthesis and Stellar Evolution. , 2002, , 25-37.		0
387	Heavy Elements and Age Determinations. Space Sciences Series of ISSI, 2002, , 277-296.	0.0	0
388	Nuclear astrophysics. Europhysics News, 2001, 32, 224-226.	0.1	4
389	Nucleosynthesis in massive stars using extended adaptive nuclear reaction networks. AIP Conference Proceedings, 2001, , .	0.3	0
390	Element synthesis in stars. Progress in Particle and Nuclear Physics, 2001, 46, 5-22.	5.6	62
391	Improving explosive nucleosynthesis models via ( $n,\hat{1}^{\pm}$ ) measurements. Nuclear Physics A, 2001, 688, 86-89.	0.6	25
392	Proton capture cross section of Sr isotopes. Nuclear Physics A, 2001, 688, 90-93.	0.6	4
393	The endpoint of the rp-process on accreting neutron stars. Nuclear Physics A, 2001, 688, 150-153.	0.6	24
394	Nucleosynthesis in massive stars revisited. Nuclear Physics A, 2001, 688, 193-196.	0.6	11
395	Alpha and neutron induced reactions on ruthenium. Nuclear Physics A, 2001, 688, 427-429.	0.6	9
396	TABLES OF NUCLEAR CROSS SECTIONS AND REACTION RATES: AN ADDENDUM TO THE PAPER "ASTROPHYSICAL REACTION RATES FROM STATISTICAL MODEL CALCULATIONS". Atomic Data and Nuclear Data Tables, 2001, 79, 47-64.	0.9	256

#	ARTICLE	IF	CITATIONS
397	Measurement of the $(\hat{1}^3, n)$ reaction rates of the nuclides $^{190}\text{Pt}$ , $^{192}\text{Pt}$ , and $^{198}\text{Pt}$ in the astrophysical $\hat{1}^3$ process. <i>Physical Review C</i> , 2001, 63, .	1.1	61
398	Proton capture cross section of Sr isotopes and their importance for nucleosynthesis of proton-rich nuclides. <i>Physical Review C</i> , 2001, 64, .	1.1	32
399	Cross section measurements of the $^{93}\text{Nb}(p, \hat{1}^3)^{94}\text{Mo}$ reaction at $E_p = 1.4$ – $4.9$ MeV relevant to the nucleosynthetic $\hat{1}^3$ process. <i>Physical Review C</i> , 2001, 64, .	1.1	34
400	s-process branchings at $^{151}\text{Sm}$ , $^{154}\text{Eu}$ , and $^{163}\text{Dy}$ . <i>Physical Review C</i> , 2001, 64, .	1.1	27
401	End Point of the $\hat{1}^3$ Process on Accreting Neutron Stars. <i>Physical Review Letters</i> , 2001, 86, 3471-3474.	2.9	469
402	$^{92}\text{Mo}(\hat{1}^{\pm}, \hat{1}^{\pm})^{92}\text{Mo}$ scattering, the $^{92}\text{Mo} \hat{1}^{\pm}$ optical potential, and the $^{96}\text{Ru}(\hat{1}^3, \hat{1}^{\pm})^{92}\text{Mo}$ reaction rate at astrophysically relevant energies. <i>Physical Review C</i> , 2001, 64, .	1.1	55
403	NUCLEAR ASPECTS OF NUCLEOSYNTHESIS IN MASSIVE STARS. , 2001, , .		3
404	Prediction of astrophysical reaction rates: Methods, data needs, and consequences for nucleosynthesis studies. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	1
405	Astrophysical Reaction Rates From Statistical Model Calculations. <i>Atomic Data and Nuclear Data Tables</i> , 2000, 75, 1-351.	0.9	807
406	NEUTRON CROSS SECTIONS FOR NUCLEOSYNTHESIS STUDIES. <i>Atomic Data and Nuclear Data Tables</i> , 2000, 76, 70-154.	0.9	429
407	Experimental simulation of a stellar photon bath by bremsstrahlung: the astrophysical $\hat{1}^3$ -process. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2000, 488, 127-130.	1.5	64
408	Capture of particles by isospin-symmetric nuclei. <i>Nuclear Physics A</i> , 2000, 675, 695-721.	0.6	57
409	The 1999 update of stellar neutron capture rates. <i>AIP Conference Proceedings</i> , 2000, , .	0.3	0
410	High-resolution neutron capture and transmission measurements, and the stellar neutron-capture cross section of $^{88}\text{Sr}$ . <i>Physical Review C</i> , 2000, 62, .	1.1	41
411	$^{147}\text{Sm}(n, \hat{1}^{\pm})$ cross section measurements from 3 eV to 500 keV: Implications for explosive nucleosynthesis reaction rates. <i>Physical Review C</i> , 2000, 62, .	1.1	39
412	Cross section measurements of $(p, \hat{1}^3)$ -reactions relevant to p-process.. , 1999, , .		0
413	Stellar neutron capture cross sections of Pr and Dy isotopes. <i>Physical Review C</i> , 1999, 59, 1154-1170.	1.1	31
414	Measurements of proton radiative capture cross sections relevant to the astrophysical rp- and $\hat{1}^3$ -processes. <i>Nuclear Physics A</i> , 1999, 652, 391-405.	0.6	34



#	ARTICLE	IF	CITATIONS
415	The Reaction Rate Sensitivity of Nucleosynthesis in Type II Supernovae. <i>Astrophysical Journal</i> , 1999, 521, 735-752.	1.6	67
416	The Astrophysical $r$ -Process: A Comparison of Calculations following Adiabatic Expansion with Classical Calculations Based on Neutron Densities and Temperatures. <i>Astrophysical Journal</i> , 1999, 516, 381-398.	1.6	197
417	$rp$ -process nucleosynthesis at extreme temperature and density conditions. <i>Physics Reports</i> , 1998, 294, 167-263.	10.3	581
418	First beta-decay studies of the neutron-rich isotopes $^{53}\text{Sc}$ and $^{56}\text{V}$ . <i>Nuclear Physics A</i> , 1998, 632, 205-228.	0.6	36
419	Neutron capture cross section of $^{44}\text{Ti}$ . <i>Physical Review C</i> , 1998, 58, 2531-2537.	1.1	8
420	Proton capture cross sections of the ruthenium isotopes. <i>Physical Review C</i> , 1998, 58, 524-535.	1.1	43
421	Dependence of direct neutron capture on nuclear-structure models. <i>Physical Review C</i> , 1998, 57, 2031-2039.	1.1	63
422	Nucleosynthesis at the proton drip line—a challenge for nuclear physics. , 1998, , .		0
423	Explosive nucleosynthesis and the astrophysical $r$ -process. , 1998, , .		0
424	$^{144}\text{Sm}$ optical potential at astrophysically relevant energies derived from $^{144}\text{Sm}$ elastic scattering. <i>Physical Review C</i> , 1997, 55, 1523-1531.	1.1	74
425	Nuclear level density and the determination of thermonuclear rates for astrophysics. <i>Physical Review C</i> , 1997, 56, 1613-1625.	1.1	299
426	Uncertainties in direct neutron capture calculations due to nuclear structure models. <i>Nuclear Physics A</i> , 1997, 621, 327-330.	0.6	1
427	The endpoint of the $rp$ -process. <i>Nuclear Physics A</i> , 1997, 621, 417-420.	0.6	3
428	Applicability of the Hauser-Feshbach approach for the determination of astrophysical reaction rates. <i>Nuclear Physics A</i> , 1997, 621, 331-334.	0.6	9
429	The $r$ -process in the high entropy bubble. <i>Nuclear Physics A</i> , 1997, 621, 405-408.	0.6	5
430	An Approximation for the $rp$ -Process. <i>Astrophysical Journal</i> , 1997, 484, 412-423.	1.6	28
431	Neutron-induced nucleosynthesis. <i>Surveys in Geophysics</i> , 1996, 17, 665-702.	2.1	7
432	$^{70}\text{Ge}$ $\beta^{\pm}$ , $\beta^{\pm}$ $^{74}\text{Se}$ cross section measurements at energies of astrophysical interest. <i>Zeitschrift für Physik A</i> , 1996, 355, 203-207.	0.9	31

#	ARTICLE	IF	CITATIONS
433	$^{70}\text{Ge}(\hat{1}\pm, \hat{1}^3)^{74}\text{Se}$ cross section measurements at energies of astrophysical interest. Zeitschrift für Physik A, 1996, 355, 203-207.	0.9	22
434	Direct neutron capture for magic-shell nuclei. Physical Review C, 1996, 53, 469-474.	1.1	28
435	Astrophysical reaction rates for $^{10}\text{B}(p, \hat{1}\pm)^{7}\text{Be}$ and $^{11}\text{B}(p, \hat{1}\pm)^{8}\text{Be}$ from a direct model. Physical Review C, 1996, 53, 2496-2504.	1.1	27
436	Neutron-rich isotopes $^{54}\hat{5}7$ . Physical Review C, 1996, 54, 2894-2903.	1.1	22
437	Reaction Rates for [TSUP] $^{146}\text{Sm}$ Production in Supernovae. Astrophysical Journal, 1995, 451, .	1.6	27
438	Study of short-lived silver isotopes with a laser ion source. Zeitschrift für Physik A, 1995, 353, 9-10.	0.9	37
439	Shell effects in neutron capture on Pb. AIP Conference Proceedings, 1995, , .	0.3	0
440	Primordial Heavy Element Production. Globular Clusters - Guides To Galaxies, 1995, , 31-34.	0.1	0
441	Alpha clustering and the stellar nucleosynthesis of carbon. Zeitschrift für Physik A, 1994, 349, 241-242.	0.9	7
442	Astrophysics and nuclei far from stability. Nuclear Physics A, 1994, 570, 329-343.	0.6	45
443	Production of heavy elements in inhomogeneous cosmologies. Astrophysical Journal, 1994, 429, 499.	1.6	133
444	The astrophysical S-factor of the reaction $^{7}\text{Be}(p, \hat{1}^3)^{8}\text{B}$ in the direct capture model. Annalen Der Physik, 1993, 505, 258-266.	0.9	23
445	Calculation of the $^3\text{He}(^3\text{He}, 2p)^4\text{He}$ and $^3\text{H}(^3\text{H}, 2n)^4\text{He}$ astrophysical S factor at low energies. Journal of Physics C: Nuclear and Particle Physics, 1992, 18, L147-L152.	1.4	6
446	Analysis of $^8\text{Li}(\hat{1}\pm, n)^{11}\text{B}$ below the Coulomb barrier in the potential model. Physical Review C, 1992, 45, 1996-2000.	1.1	16