

Zsolt Fulop

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1675145/publications.pdf>

Version: 2024-02-01

278
papers

7,088
citations

50276

46
h-index

88630

70
g-index

286
all docs

286
docs citations

286
times ranked

2328
citing authors

#	ARTICLE	IF	CITATIONS
1	Activation cross section measurement of the $N(p, \alpha)^{12}C$ reaction. <i>Physical Review C</i> , 2021, 104, 014601. DOI: 10.1103/PhysRevC.104.014601	4.1	7
2	Measurement of the $^{7}Be(p, \alpha)^{6}B$ reaction cross section with the recoil mass separator ERNA. EPJ Web of Conferences, 2022, 260, 11006. DOI: 10.1051/epjconf/202226011006	0.3	0
3	Indirect determination of the astrophysical S -factor for the $^{6}Li(p, \alpha)^{3}He$ reaction. <i>Physical Review C</i> , 2021, 104, 014602. DOI: 10.1103/PhysRevC.104.014602	1.6	21
4	Measurement of the $^{91}Zr(p, \alpha)^{90}Nb$ cross section motivated by type Ia supernova nucleosynthesis. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021, 48, 105202. DOI: 10.1088/1742-6596/abf202	2.9	15
5	Low-energy resonances in the $^{12}C(\alpha, n)^{15}N$ reaction. <i>Physical Review C</i> , 2020, 102, 014601. DOI: 10.1103/PhysRevC.102.014601	2.4	12
6	Direct Measurement of the $^{13}C(\alpha, n)^{12}C$ reaction. <i>Physical Review C</i> , 2020, 102, 014602. DOI: 10.1103/PhysRevC.102.014602	2.9	13
7	Astrophysical S -factor for the $^{3}He(\alpha, n)^{7}Be$ reaction via the asymptotic normalization coefficient (ANC) method. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 807, 135606. DOI: 10.1016/j.physletb.2020.135606	4.1	30
8	The baryon density of the Universe from an improved rate of deuterium burning. <i>Nature</i> , 2020, 587, 210-213. DOI: 10.1038/s41586-020-2328-2	27.8	101
9	Coulomb dissociation of ^{16}O into ^{4}He and ^{12}C . <i>Journal of Physics: Conference Series</i> , 2020, 1668, 012016. DOI: 10.1088/1742-6596/abf202	0.4	2
10	Underground experimental study finds no evidence of low-energy resonance in the $^{12}C(\alpha, n)^{15}N$ reaction. <i>Physical Review C</i> , 2020, 102, 014601. DOI: 10.1103/PhysRevC.102.014601	2.9	12
11	A new approach to monitor ^{13}C -targets degradation in situ for $^{13}C(\alpha, n)^{12}C$. <i>Physical Review C</i> , 2020, 102, 014602. DOI: 10.1103/PhysRevC.102.014602	2.5	20
12	Successful Prediction of Total $^{12}C(\alpha, n)^{15}N$ -Induced Reaction Cross Sections at Astrophysically Relevant Sub-Coulomb Energies Using a Novel Approach. <i>Physical Review Letters</i> , 2020, 124, 252701. DOI: 10.1103/PhysRevLett.124.252701	7.8	28
13	Activation measurement of α -induced cross sections for ^{197}Au : analysis in the statistical model and beyond. <i>Journal of Physics: Conference Series</i> , 2020, 1668, 012042. DOI: 10.1088/1742-6596/abf202	0.4	3
14	Setup commissioning for an improved measurement of the $D(p, \gamma)^3He$ cross section at Big Bang Nucleosynthesis energies. <i>European Physical Journal A</i> , 2020, 56, 1. DOI: 10.1140/epja/i2020-11560-1	2.5	22

#	ARTICLE	IF	CITATIONS
19	Resonance strengths in the $N14(p, \hat{I}^3)O15$ astrophysical key reaction measured with activation. Physical Review C, 2019, 100, .	2.9	11
20	Direct measurements of low-energy resonance strengths of the $^{23}Na(p, \hat{I}^3)^{24}Mg$ reaction for astrophysics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 122-128.	4.1	23
21	Cross section of the reaction $^{18}O(p, \hat{I}^3)^{19}F$ at astrophysical energies: The 90 keV resonance and the direct capture component. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134900.	4.1	18
22	Improved astrophysical rate for the $^{18}O(p, \hat{I}^{\pm})^{15}N$ reaction by underground measurements. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 237-242.	4.1	22
23	Cross section of ^{4}He -induced reactions on ^{23}Na and ^{24}Mg around the $^{23}Na(p, \hat{I}^3)^{24}Mg$ resonance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 122-128.	2.9	12
24	Half-life measurement of ^{65}Ga with \hat{I}^3 -spectroscopy. Applied Radiation and Isotopes, 2019, 148, 87-90.	1.5	3
25	High precision half-life measurement of ^{125}Cs and ^{125}Xe with \hat{I}^3 -spectroscopy. Nuclear Physics A, 2019, 986, 213-222.	1.5	3
26	The activation method for cross section measurements in nuclear astrophysics. European Physical Journal A, 2019, 55, 1.	2.5	45
27	Cross section of ^{197}Au -induced reactions on ^{197}Au at sub-Coulomb energies. Investigation of ^{197}Au -induced reactions on Sb isotopes relevant to the astrophysical \hat{I}^{\pm} -induced reactions on Sb isotopes relevant to the astrophysical \hat{I}^3 process. Physical Review C, 2018, 97, .	2.9	20
28	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.	4.1	14
29	A high-efficiency gas target setup for underground experiments, and redetermination of the branching ratio of the 189.5 keV $^{22}Ne(p, \gamma)^{23}Na$ resonance. European Physical Journal A, 2018, 54, 1.	2.5	39
30	Nuclear physics uncertainties of the astrophysical \hat{I}^3 -process studied through the $^{64}Zn(p, \hat{I}^{\pm})^{61}Cu$ and $^{64}Zn(p, \hat{I}^3)^{65}Ga$ reactions. Journal of Physics: Conference Series, 2018, 940, 012005.	0.4	0
31	Towards an activation cross section measurement of the $^{17}O(p, \hat{I}^3)^{18}F$ reaction in a wide energy range. Journal of Physics: Conference Series, 2018, 940, 012052.	0.4	0
32	Direct Capture Cross Section and the ^{105}Ag Resonances in the $^{105}Ag(p, \hat{I}^3)^{106}Cd$ and $^{105}Ag(p, \hat{I}^{\pm})^{106}Cd$ reactions. Physical Review Letters, 2018, 121, 172701.	7.8	30
33	Test of a SiPM-scintillator-based muon detector at the Gran Sasso National Laboratory. Journal of Physics: Conference Series, 2018, 940, 012056.	0.4	0
34	Proton single particle energies next to ^{78}Ni : Spectroscopy of ^{77}Cu via single proton knock-out reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 99-103.	4.1	5
35	Cross section of ^{115}In -induced reactions on ^{115}In : Cross section measurements and statistical model analysis. Physical Review C, 2018, 97, .	2.9	13

#	ARTICLE	IF	CITATIONS
55	<p>scattering and $\hat{\Gamma}_{\pm}$-induced reaction cross sections of $\hat{\Gamma}_{\pm}$ Improved Direct Measurement of the 64.5 keV Resonance Strength in the O_{17}</p>	2.9	17
56	<p>O_{17}</p>		

#	ARTICLE	IF	CITATIONS
73	Measurement of ($\hat{1}\pm$, $\hat{1}\pm$) reaction cross sections of erbium isotopes for testing astrophysical rate predictions. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 055103.	3.6	16
74	Nuclear Physics in Atomki in the 21st Century. Nuclear Physics News, 2015, 25, 5-11.	0.4	3
75	Test of statistical model cross section calculations for induced reactions on Ag. Nuclear Physics A, 2015, 940, 194-209.	2.9	17
76	The $^{106}\text{Cd}(\hat{1}\pm, \hat{1}\pm)^{106}\text{Cd}$ elastic scattering in a wide energy range for $\hat{1}\pm$ process studies. Nuclear Physics A, 2015, 940, 194-209.	1.5	12
77	Resonance strengths in the $^{17,18}\text{O}(p, \hat{1}\pm)^{14,15}\text{N}$ reactions and background suppression underground. European Physical Journal A, 2015, 51, 1.	2.5	37
78	Measurement of alpha-induced reaction cross sections on erbium isotopes for $\hat{1}\pm$ process studies. , 2014, , .		0
79	Comparison of two HPGe counting system used in activation studies for nuclear astrophysics. AIP Conference Proceedings, 2014, , .	0.4	5
80	Quadrupole collectivity in island-of-inversion nuclei $^{28,30}\text{Ne}$ and $^{34,36}\text{Mg}$. Physical Review C, 2014, 89, .	2.9	24
81	Excited states in the neutron-rich nucleus ^{25}F . Physical Review C, 2014, 89, .	2.9	14
82	Underground study of the $^{17}\text{O}(\alpha, n)^{20}\text{Ne}$ reaction relevant for explosive hydrogen burning. Physical Review C, 2014, 89, .	2.9	53
83	A new study of the $^{22}\text{Ne}(p, \hat{1}\pm)^{23}\text{Na}$ reaction deep underground: Feasibility, setup and first observation of the 186 keV resonance. European Physical Journal A, 2014, 50, 1.	2.5	46
84	Direct study of the $\hat{1}\pm$ -nucleus optical potential at astrophysical energies using the $^{64}\text{Zn}(p, \hat{1}\pm)^{61}\text{Cu}$ reaction. Physical Review C, 2014, 90, .	2.9	17
85	Cross section and reaction rate of determined from thick target yield measurements. Nuclear Physics A, 2014, 922, 112-125.	1.5	18
86	KADoNiS-p: The Astrophysical p-Process Database. Nuclear Data Sheets, 2014, 120, 191-193.	2.2	15
87	First Direct Measurement of the $^{2}\text{H}(\alpha, n)^{3}\text{He}$ reaction. Physical Review C, 2014, 89, .	7.8	95
88	Cross-section measurements at astrophysically relevant energies: The LUNA experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 742, 258-260.	1.6	2
89	Alpha induced reaction cross section measurements on ^{162}Er for the astrophysical $\hat{1}\pm$ process. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 40-44.	4.1	30
90	IMPACT OF A REVISED $^{25}\text{Mg}(p, \hat{1}\pm)^{26}\text{Al}$ REACTION RATE ON THE OPERATION OF THE Mg-Al CYCLE. Astrophysical Journal, 2013, 763, 100.	4.5	52

#	ARTICLE	IF	CITATIONS
109	Experimental study of \hat{I}_{\pm} -induced reactions on ^{64}Zn for the astrophysical \hat{I}^3 -process. Journal of Physics: Conference Series, 2012, 337, 012009. Investigation of \hat{I}_{\pm} -induced reactions on ^{127}I for the astrophysical \hat{I}^3 -process. Physical Review C, 2012, 86, .	0.4	2
110	Investigation of \hat{I}_{\pm} -induced reactions on ^{127}I for the astrophysical \hat{I}^3 -process. Physical Review C, 2012, 86, .	2.9	21
111	Lifetime measurement of the 6.79 MeV state in ^{15}O with the AGATA demonstrator. AIP Conference Proceedings, 2012, , .	0.4	0
112	Thin-window gas cell target for activation cross-section measurements relevant for nuclear astrophysics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 693, 220-225.	1.6	10
113	Preparation and characterisation of isotopically enriched Ta ₂ O ₅ targets for nuclear astrophysics studies. European Physical Journal A, 2012, 48, 1.	2.5	43
114	Investigation of \hat{I}_{\pm} -induced reactions on ^{130}Ba and ^{132}Ba and their importance for the synthesis of heavy \hat{I}^3 -process. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 60-65.	2.9	38
115	Shallow-underground accelerator sites for nuclear astrophysics: Is the background low enough?. European Physical Journal A, 2012, 48, 1.	2.5	12
116	The $^{25}\text{Mg}(p,\hat{I}^3)^{26}\text{Al}$ reaction at low astrophysical energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 60-65.	4.1	64
117	Revision of the $^{15}\text{N}(p,\hat{I}^3)^{16}\text{O}$ reaction rate and oxygen abundance in H-burning zones. Astronomy and Astrophysics, 2011, 533, A66.	5.1	38
118	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.	1.5	13
119	Half-life measurement of $^{133\text{m}}\text{Ce}$ with γ -spectrometry. European Physical Journal A, 2011, 47, 1.	2.5	7
120	Determining reaction cross sections via characteristic X-ray detection: \hat{I}_{\pm} -induced reactions on ^{169}Tm for the astrophysical \hat{I}^3 -process. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 419-423.	4.1	44
121	$^{110}\text{Cd}(^{\hat{I}_{\pm}},^{\hat{I}_{\pm}})^{110}\text{Cd}$ elastic scattering and systematic investigation of elastic \hat{I}_{\pm} -scattering cross sections along the $Z=48$ isotopic and $N=62$ isotonic chains. Physical Review C, 2011, 83, .	2.9	23
122	The \hat{I}_{\pm} -induced reactions on ^{110}Cd and ^{116}Cd along the $Z=48$ isotopic and $N=62$ isotonic chains. Physical Review C, 2011, 83, .		

#	ARTICLE	IF	CITATIONS
127	ice strengths in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi mathvariant="normal" } N \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:none} \rangle$		

#	ARTICLE	IF	CITATIONS
145	New experimental efforts along the rp-process path. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014030.	3.6	6
146	Ground state capture in $^{14}\text{N}(p, \hat{1}^3)^{15}\text{O}$ studied above the 259 keV resonance at LUNA. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014019.	3.6	2
147	Measurement of $^{25}\text{Mg}(p, \hat{1}^3)^{26}\text{Al}$ resonance strengths via gamma spectrometry. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014013.	3.6	7
148	Comparison of the LUNA $^3\text{He}(\hat{1}^{\pm}, \hat{1}^3)^7\text{Be}$ activation results with earlier measurements and model calculations. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014002.	3.6	2
149	Nuclear Astrophysics At LUNA: Status And Perspectives. AIP Conference Proceedings, 2008, , .	0.4	3
150	Experimental study of the variation of alpha elastic scattering cross sections along isotopic and isotonic chains at low energies. AIP Conference Proceedings, 2008, , .	0.4	2
151	The study of shell closures in light neutron-rich nuclei. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014038.	3.6	3
152	Investigation of proton-induced reactions on Germanium isotopes. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014032.	3.6	1
153	Study of the $^{89}\text{Y}(\hat{1}^{\pm}, \hat{1}^{\pm})^{89}\text{Y}$ reaction close to the Coulomb barrier. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014037.	3.6	6
154	Investigation of ^{75}As decay branching ratio dependence on the host material. Europhysics Letters, 2008, 83, 42001.	2.0	2
155	Coulomb Suppression of the Stellar Enhancement Factor. Physical Review Letters, 2008, 101, 191101.	7.8	47
156	Precision study of ground state capture in the $^{14}\text{N}(p, \hat{1}^3)^{15}\text{O}$ reaction. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014019.	2.9	78
157	Inelastic scattering studies of ^{16}C reexamined. Physical Review C, 2008, 78, .	2.9	16
158	Disappearance of the $^{14}\text{N}(p, \hat{1}^3)^{15}\text{O}$ shell gap in the carbon isotopic chain. Physical Review C, 2008, 78, .	2.9	16
159	Study of exotic nuclei around the "island of inversion". AIP Conference Proceedings, 2007, , .	0.4	1
160	Study of the ^{70}Ge nucleus. AIP Conference Proceedings, 2007, , .	2.9	35
161	Suppression of the Coulomb Interaction in the Off-Energy-Shell p -Scattering from the $^p+d \rightarrow ^p+p+n$ Reaction. Physical Review Letters, 2007, 98, 252502.	7.8	59
162	Astrophysical S factor for $\hat{1}^{\pm}$ -capture on ^{112}Sn in the p-process energy range. Physical Review C, 2007, 75, .	2.9	53

#	ARTICLE	IF	CITATIONS
163	Astrophysical S factor of the $^3\text{He}(\hat{1}\pm, \hat{1}^3)\text{Be}^7$ reaction measured at low energy via detection of prompt and delayed $\hat{1}^3$ rays. <i>Physical Review C</i> , 2007, 75, .	2.9	117
164	Spectroscopic Study of Neutron Shell Closures via Nucleon Transfer in the Near-Dripline Nucleus ^{23}O . <i>Physical Review Letters</i> , 2007, 98, 102502.	7.8	81
165	$^3\text{He}(\hat{1}\pm, \hat{1}^3)\text{Be}^7$ cross section at low energies. <i>Physical Review C</i> , 2007, 75, .	2.9	86
166	Publisher's Note: Astrophysical S factor of the $^3\text{He}(\hat{1}\pm, \hat{1}^3)\text{Be}^7$ reaction measured at low energy via detection of prompt and delayed $\hat{1}^3$ rays [Phys. Rev. C 75, 065803 (2007)]. <i>Physical Review C</i> , 2007, 75, .	2.9	5
167	Proton capture cross-section of $^{106,108}\text{Cd}$ for the astrophysical p-process. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 817-825.	3.6	18
168	No signature of nuclear-Coulomb interference in the proton-proton elastic scattering via the Trojan Horse Method. <i>Nuclear Physics A</i> , 2007, 787, 337-342.	1.5	6
169	Photo-induced nucleosynthesis: Current problems and experimental approaches. <i>European Physical Journal A</i> , 2007, 32, 357-369.	2.5	36
170	Spectroscopy of neutron-deficient nuclei around ^{36}Ca . <i>European Physical Journal: Special Topics</i> , 2007, 150, 89-91.	2.6	6
171	Study of N=20 shell gap with $^1\text{H}(^{28}\text{Ne}, ^{27,28}\text{Ne})$ reactions. <i>European Physical Journal: Special Topics</i> , 2007, 150, 99-102.	2.6	4
172	Improving the nuclear physics input along the rp-process path. <i>Nuclear Physics A</i> , 2007, 788, 381-384.	1.5	2
173	Evolution of the N = 20 shell gap. <i>Journal of Physics: Conference Series</i> , 2006, 49, 140-145.	0.4	0
174			

#	ARTICLE	IF	CITATIONS
181	New measurement of ${}^7\text{Be}$ half-life in different metallic environments. European Physical Journal A, 2006, 27, 193-196.	2.5	15
182	Study of the ${}^{106}\text{Cd}(\hat{1}\pm, \hat{1}\pm){}^{106}\text{Cd}$ scattering at energies relevant to the p-process. European Physical Journal A, 2006, 27, 197-200.	2.5	20
183	Can the neutron-capture cross sections be measured with Coulomb dissociation?. European Physical Journal A, 2006, 27, 217-220.	2.5	3
184	Study of the ${}^{26}\text{Si}(p, \hat{1}\pm){}^{27}\text{P}$ reaction through Coulomb dissociation of ${}^{27}\text{P}$. European Physical Journal A, 2006, 27, 233-236.	2.5	5
185	Validity test of the Trojan Horse Method applied to the ${}^7\text{Li} + p \hat{1}\pm \hat{1}\pm + \hat{1}\pm$ reaction via the ${}^3\text{He}$ break-up. European Physical Journal A, 2006, 27, 243-248.	2.5	39
186	Testing of the RIKEN-ATOMKI CsI(Tl) array in the study of ${}^{22}, {}^{23}\text{O}$ nuclear structure. European Physical Journal A, 2006, 27, 321-324.	2.5	3
187	Nuclear astrophysics at the east drip line. European Physical Journal A, 2006, 27, 327-332.	2.5	6
188	Low energy measurement of the ${}^{14}\text{N}(p, \hat{1}\pm){}^{15}\text{O}$ total cross section at the LUNA underground facility. Nuclear Physics A, 2006, 779, 297-317.	1.5	64
189	Elastic $\hat{1}\pm$ -scattering on proton rich nuclei at astrophysically relevant energies. AIP Conference Proceedings, 2006, , .	0.4	1
190	Activation Measurement of the ${}^3\text{He}(\hat{1}\pm, \hat{1}\pm){}^7\text{Be}$ Cross Section at Low Energy. Physical Review Letters, 2006, 97, 122502.	7.8	136
191	Vanishing $N=20$ Shell Gap: Study of Excited States in ${}^{27,28}\text{Ne}$. Physical Review Letters, 2006, 96, 182501.	7.8	44
192	Search for neutron decoupling in ${}^{22}\text{O}$ via the $(d, d'\hat{1}\pm)$ reaction. Physical Review C, 2006, 74, .	2.9	14
193	$\hat{1}\pm$ -induced cross sections of ${}^{106}\text{Cd}$ for the astrophysical p-process. Physical Review C, 2006, 74, .	2.9	74
194	Proton inelastic scattering studies at the borders of the "island of inversion" The ${}^{30,31}\text{Na}$ and ${}^{33,34}\text{Mg}$ case. Physical Review C, 2006, 73, .	2.9	45
195	New measurement of ${}^7\text{Be}$ half-life in different metallic environments. , 2006, , 193-196.		1
196	BACKGROUND STUDIES AT THE LUNA UNDERGROUND ACCELERATOR FACILITY. , 2006, , .		0
197	${}^{106,108}\text{Cd}(p, \hat{1}\pm){}^{107,109}\text{In}$ cross-sections for the astrophysical p-process. , 2006, , 141-144.		0
198	A study of alpha capture cross-sections of ${}^{112}\text{Sn}$. , 2006, , 145-148.		0

#	ARTICLE	IF	CITATIONS
199	CNO hydrogen burning studied deep underground. , 2006, , 161-170.		0
200	Recent results of the $^{14}\text{N}(p, \hat{1}^3)^{15}\text{O}$ measurement at LUNA. Nuclear Physics A, 2005, 758, 383-386.	1.5	6
201	Decay of ^7Be in metallic environment. Nuclear Physics A, 2005, 758, 697-700.	1.5	6
202	Study of Stellar Reactions in Explosive Hydrogen Burning with CRIB. Nuclear Physics A, 2005, 758, 733-736.	1.5	1
203	Coulomb Dissociation of ^{23}Al for the stellar $^{22}\text{Mg}(p, \hat{1}^3)^{23}\text{Al}$ reaction. Nuclear Physics A, 2005, 758, 761-764.	1.5	13
204	Data needs for the astrophysical p-process. Nuclear Physics A, 2005, 758, 90-97.	1.5	5
205	Excited states in neutron rich boron isotopes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 608, 206-214.	4.1	27
206	Low-lying excited states in $^{17,19}\text{C}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 614, 174-180.	4.1	68
207	Decoupling of valence neutrons from the core in ^{17}B . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 621, 81-88.	4.1	20
208	Quadrupole collectivity of ^{28}Ne and the boundary of the island of inversion. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 620, 118-124.	4.1	57
209	Search for an isomeric state in ^{19}C . Nuclear Physics A, 2005, 757, 315-328.	1.5	5
210	Study of $^{26}\text{Si}(p, \hat{1}^3)^{27}\text{P}$ reaction using Coulomb dissociation method. Nuclear Physics A, 2005, 758, 182-185.	1.5	8
211	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. Nuclear Physics A, 2005, 758, 517-520.	1.5	16
212	Feasibility of low-energy radiative-capture experiments at the LUNA underground accelerator facility. European Physical Journal A, 2005, 24, 313-319.	2.5	64
213	Inelastic proton scattering on ^{16}C . European Physical Journal A, 2005, 25, 347-348.	2.5	0
214	Recent results from the LUNA facility at Gran Sasso. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1537-S1540.	3.6	3
215	Precise half-life measurement of ^{110}Sn and ^{109}In isotopes. Physical Review C, 2005, 71, .	2.9	10
216	Elastic $\hat{1}^{\pm}$ scattering on ^{112}Sn and ^{124}Sn at astrophysically relevant energies. Physical Review C, 2005, 71, .	2.9	44

#	ARTICLE	IF	CITATIONS
217	Inelastic proton scattering on ^{16}C . , 2005, , 347-348.		0
218	Coulomb dissociation experiment for explosive hydrogen burning: study of the $^{22}\text{Mg}(p, \hat{p}^3)^{23}\text{Al}$ reaction. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1517-S1521.	3.6	4
219	Electron screening in $d(d, p)t$ for deuterated metals: temperature effects. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, 1141-1149.	3.6	52
220	DIRECT APPROACH TO EXPLOSIVE HYDROGEN BURNING PROCESS WITH CRIB. , 2005, , .		0
221	Low-energy radioactive-ion beam separator at CNS and resonance scattering experiments. AIP Conference Proceedings, 2004, , .	0.4	0
222	Anomalously Hindered $E2$ Strength $B(E2; 21^+ \rightarrow 0^+)$ in ^{16}C . Physical Review Letters, 2004, 92, 062501.	7.8	102
223	$N=14$ and 16 shell gaps in neutron-rich oxygen isotopes. Physical Review C, 2004, 69, .	2.9	194
224	Nuclear Structure around the $N=16$ subshell closure. AIP Conference Proceedings, 2004, , .	0.4	3
225	Nuclear physics aspects of the astrophysical p -process. Physics of Atomic Nuclei, 2004, 67, 1688-1695.	0.4	0
226	Absolute resonance strengths in the $^{6,7}\text{Li}(\alpha, \gamma)^{10,11}\text{B}$ reactions. European Physical Journal A, 2004, 21, 355-358.	2.5	9
227	Decoupling of valence neutrons from the core in ^{16}C . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 586, 34-40.	4.1	67
228	Study of the Stellar $^{22}\text{Mg}(p, \hat{p}^3)^{23}\text{Al}$ Reaction using the Coulomb-Dissociation Method. Nuclear Physics A, 2004, 734, E77-E79.	1.5	9
229	Direct measurement of the astrophysical reaction $^{14}\text{O}(\hat{p}, p)^{17}\text{F}$. Nuclear Physics A, 2004, 746, 113-117.	1.5	29
230	Study of neutron rich Carbon and Oxygen nuclei up to drip line. Nuclear Physics A, 2004, 746, 135-139.	1.5	15
231	$E1$ strength of the subthreshold $3/2^+$ state in ^{15}O studied by Coulomb excitation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 579, 265-270.	4.1	40
232	Bound excited states in ^{27}F . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 599, 17-22.	4.1	45
233	Molecular states in neutron-rich beryllium isotopes. Nuclear Physics A, 2004, 738, 337-341.	1.5	26
234	Direct measurement of the astrophysical reaction $^{14}\text{O}(\hat{p}, p)^{17}\text{F}$. Nuclear Physics A, 2004, 738, 411-415.	1.5	8

#	ARTICLE	IF	CITATIONS
235	ANOMALOUSLY LONG LIFETIME OF ${}^2_1\text{H} + {}^6\text{Li}$ STATE OF ${}^{16}\text{C}$. , 2004, , .		0
236	STUDY OF THE ${}^{26}\text{Si}(p, \hat{t}){}^{27}\text{P}$ REACTION BY THE COULOMB DISSOCIATION METHOD. , 2004, , .		0
237	DIRECT MEASUREMENT OF THE ASTROPHYSICAL REACTION ${}^{14}\text{O}(\hat{p}, P){}^{17}\text{F}$. , 2004, , .		0
238	Study of resonance states in ${}^{12}\text{N}$ using a radioactive ion beam of ${}^{11}\text{C}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 556, 27-32.	4.1	45
239	Target stability and beam-induced background studies at the LUNA underground facility. Nuclear Physics A, 2003, 718, 135-138.	1.5	4
240	Experimental studies using a low-energy RI beam separator at CNS. Nuclear Physics A, 2003, 718, 207-213.	1.5	11
241	Study of the ${}^{22}\text{Mg}(p, \hat{t}){}^{23}\text{Al}$ reaction with the Coulomb-dissociation method. Nuclear Physics A, 2003, 718, 508-509.	1.5	9
242	\hat{t} -nucleus potentials and photon-induced nucleosynthesis. Nuclear Physics A, 2003, 718, 578-580.	1.5	3
243	Study on the ${}^{21}\text{Na}(p, \hat{t}){}^{22}\text{Mg}$ stellar reaction by the (p,t) reaction. Nuclear Physics A, 2003, 718, 581-583.	1.5	4
244	The half-life of ${}^{148}\text{Gd}$. Nuclear Physics A, 2003, 718, 688-690.	1.5	8
245	$\text{Se}(p, \hat{t})$ cross section measurements for p-process studies. Nuclear Physics A, 2003, 718, 599-601.	1.5	1
246	Study of resonance states using a low-energy RI beam separator at CNS. Nuclear Physics A, 2003, 719, C253-C256.	1.5	4
247	Optimization of the performance of a CsI(Tl) scintillator + Si PIN photodiode detector for medium-energy light-charged particle hybrid array. Nuclear Physics A, 2003, 719, C316-C321.	1.5	2
248	Enhanced electron screening in $d(d, p)t$ for deuterated metals: a possible classical explanation. Nuclear Physics A, 2003, 719, C37-C42.	1.5	36
249	Determination of \hat{t} -nucleus potentials by \hat{t} -elastic scattering and its implications for the \hat{t} -process. Nuclear Physics A, 2003, 719, C111-C114.	1.5	5
250	A systematic study of proton capture reactions in the $\text{Se}-\text{Sb}$ region at energies relevant to the p process. Nuclear Physics A, 2003, 719, C115-C118.	1.5	3
251	Proton induced reaction cross section measurements on Se isotopes for the astrophysical p-process. Physical Review C, 2003, 68, .	2.9	40
252	The ${}^{88}\text{Sr}(p, \hat{t}){}^{89}\text{Y}$ reaction at astrophysically relevant energies. Physical Review C, 2003, 67, .	2.9	50

#	ARTICLE	IF	CITATIONS
253	Studies of low-lying excited states in ^{12}Be via inelastic scattering. , 2003, , 184-184.		0
254	$\langle \text{Se} \rangle \langle \text{p} \rangle, \hat{I}^3$ CROSS SECTION MEASUREMENTS FOR $\text{P} \hat{\epsilon}$ PROCESS STUDIES. , 2003, , .		0
255	A SYSTEMATIC STUDY OF PROTON-CAPTURE CROSS SECTIONS IN THE SE-SB REGION WITH RELEVANCE TO THE P-PROCESS NUCLEOSYNTHESIS. , 2003, , .		0
256	First measurement of the $d(p, \hat{I}^3)^3\text{He}$ cross section down to the solar Gamow peak. Nuclear Physics A, 2002, 706, 203-216.	1.5	148
257	Measurement of the $^{24}\text{Mg}(p, t)^{22}\text{Mg}$ reaction for the states near the $^{21}\text{Na} + p$ threshold. European Physical Journal A, 2002, 14, 275-278.	2.5	21
258	Title is missing!. European Physical Journal A, 2002, 13, 55-58.	2.5	7
259	Large collectivity of ^{34}Mg . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 522, 227-232.	4.1	130
260	Electron screening effect in the reactions $^3\text{He}(d, p)^4\text{He}$ and $d(^3\text{He}, p)^4\text{He}$. Nuclear Physics A, 2001, 690, 790-800.	1.5	79
261	\hat{I}^{\pm} -nucleus potentials at astrophysically relevant energies. Nuclear Physics A, 2001, 688, 424-426.	1.5	2
262	Absolute cross section of $^7\text{Be}(p, \hat{I}^3)^8\text{B}$. Nuclear Physics A, 2001, 696, 219-230.	1.5	65
263	Proton capture cross section of Sr isotopes and their importance for nucleosynthesis of proton-rich nuclides. Physical Review C, 2001, 64, .	2.9	32
264	$^{92}\text{Mo}(\hat{I}^{\pm}, \hat{I}^{\pm})^{92}\text{Mo}$ scattering, the $^{92}\text{Mo} \hat{\alpha} \hat{I}^{\pm}$ optical potential, and the $^{96}\text{Ru}(\hat{I}^3, \hat{I}^{\pm})^{92}\text{Mo}$ reaction rate at astrophysically relevant energies. Physical Review C, 2001, 64, .	2.9	55
265	Quadrupole deformation of ^{12}Be studied by proton inelastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 481, 7-13.	4.1	187
266	Low-lying intruder $1\hat{\alpha}^{\prime\prime}$ state in ^{12}Be and the melting of the $N=8$ shell closure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 491, 8-14.	4.1	161
267	Loss of ^8Li recoil nuclei in $^7\text{Li}(d, p)^8\text{Li}$ and implications on the $^7\text{Be}(p, \hat{I}^3)^8\text{B}$ cross section. European Physical Journal A, 1998, 3, 1-3.	2.5	24
268	Lifetimes of ^{32}S levels. Physical Review C, 1998, 58, 699-720.	2.9	17
269	$^{144}\text{Sm} \hat{I}^{\pm}$ optical potential at astrophysically relevant energies derived from $^{144}\text{Sm}(\hat{I}^{\pm}, \hat{I}^{\pm})^{144}\text{Sm}$ elastic scattering. Physical Review C, 1997, 55, 1523-1531.	2.9	74
270	$^{70}\text{Ge}(\hat{I}^{\pm}, \hat{I}^3)^{74}\text{Se}$ cross section measurements at energies of astrophysical interest. Zeitschrift für Physik A, 1996, 355, 203-207.	0.9	31

#	ARTICLE	IF	CITATIONS
271	$^{70}\text{Ge}(\hat{1}\pm, \hat{1}^3)^{74}\text{Se}$ cross section measurements at energies of astrophysical interest. Zeitschrift für Physik A, 1996, 355, 203-207.	0.9	22
272	A comprehensive study of the $^{34}\text{S} + \hat{1}\pm$ system. Nuclear Physics A, 1996, 604, 286-304.	1.5	26
273	Unfavoured signature partner superdeformed bands associated with proton excitations in ^{151}Tb . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 341, 268-272.	4.1	7
274	Stopping powers of CR-39 nuclear track material for $Z=1\hat{1}^{14}$ ions with $0.25\hat{a}^{\text{c}}2.8$ MeV/u. Radiation Measurements, 1994, 23, 749-752.	1.4	13
275	The PIXE-PIGE method for the classification of late Roman glass sealings. Nuclear Instruments & Methods in Physics Research B, 1994, 85, 836-839.	1.4	5
276	Short lifetimes in ^{28}Si . Physical Review C, 1993, 47, 145-156.	2.9	13
277	Slowing down of light ions in LR-115 nuclear track material. International Journal of Radiation Applications and Instrumentation Part D, Nuclear Tracks and Radiation Measurements, 1992, 20, 611-614.	0.5	20
278	Short lifetimes in mirror nuclei ^{25}Al . Physical Review C, 1991, 43, 2162-2171.	2.9	9