

Marek Karny

List of Publications by Year in descending order

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161
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1348
citing authors

#	ARTICLE	IF	CITATIONS
1	Deciphering β -decay feeding patterns of ^{88}Rb and ^{98}Rb using the Modular Total Absorption Spectrometer at ORNL. Physical Review C, 2022, 105, .	1.1	6
2	The (6+) isomer in ^{102}Sn revisited: Neutron and proton effective charges close to the double shell closure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 166-172.	1.1	5
3	Long-lived isomeric states and quasiparticle band structures in neutron-rich ^{162}Gd and ^{164}Gd nuclei from β -decay studies. Physical Review C, 2020, 102, .	1.5	8
4	Design of a new central module for the Modular Total Absorption Spectrometer. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 390-393.	0.6	1
5	New transitions and levels for ^{163}Tb obtained from β -decay studies. Physical Review C, 2020, 102, .	1.1	0
6	Identification of new transitions and levels in ^{163}Gd from β -decay studies. Physical Review C, 2020, 101, .	1.1	3
7	Beta delayed neutron measurements by means of Modular Total Absorption Spectrometer. EPJ Web of Conferences, 2019, 201, 03002.	0.1	0
8	Improving Nuclear Data Input for r-Process Calculations Around A \sim 80. Springer Proceedings in Physics, 2019, , 453-456.	1.1	13
9	Updated β -decay measurement of neutron-rich ^{74}Cu . Physical Review C, 2018, 98, .	0.1	0
10	The BRIKEN Project: Extensive Measurements of β -delayed Neutron Emitters for the Astrophysical r Process. Acta Physica Polonica B, 2018, 49, 417.	0.3	16
11	Sensitivity Studies for the Decay Heat Calculation for ^{235}U . Acta Physica Polonica B, 2018, 49, 409.	0.3	0
12	Beta-strength and anti-neutrino spectra from total absorption spectroscopy of a decay chain $^{142}\text{Cs} \rightarrow ^{142}\text{Ba} \rightarrow ^{142}\text{La}$. EPJ Web of Conferences, 2017, 146, 10005.	0.1	2
13	Impact of Modular Total Absorption Spectrometer measurements of ^{142}Cs and ^{142}La on the decay heat and reactor flux calculation	1.1	23
14	Experimental study of the β -decay of the very neutron-rich nucleus ^{85}Ge . Physical Review C, 2017, 95, .	2.9	30
15	Experimental study of the β -decay of the very neutron-rich nucleus ^{85}Ge . Physical Review C, 2017, 95, .	1.1	3
16	β Decays of ^{92}Rb , ^{96}Y , and ^{142}Cs Measured with the Modular Total Absorption Spectrometer and the Influence of γ Multiplicity on Total Absorption Spectrometry Measurements. Acta Physica Polonica B, 2017, 48, 507.	0.3	6

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19	Modular total absorption spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 836, 83-90.	0.7	21
20	\hat{I}^2 -decay study of Kr94. Physical Review C, 2016, 94, . Decays of the Three Top Contributors to the Reactor \hat{I}^2 -decay	1.1	3
21	High-Energy Spectrum. \hat{I}^2 -decay of the very neutron-rich isotopes \hat{I}^2 -decay	2.9	46
22	Observations of the Gamow-Teller resonance in the rare-earth nuclei above Gd146 populated in \hat{I}^2 decay. Physical Review C, 2016, 93, .	1.1	6
23	Reexamining Gamow-Teller decays near Ni78 [Phys. Rev. C93, 044325 (2016)]. Physical Review C, 2016, 93, .		16
24	Publisher's Note: Reexamining Gamow-Teller decays near Ni78 [Phys. Rev. C93, 044325 (2016)]. Physical Review C, 2016, 93, .	1.1	0
25	\hat{I}^2 and \hat{I}^2 decay of the neutron-rich Ge84 nucleus. Physical Review C, 2016, 93, .	1.1	3
26	Levels populated in the \hat{I}^2 decay of the very neutron-rich isotopes \hat{I}^2 -decay	1.1	3
27	Experimental Study of \hat{I}^2 and \hat{I}^2 decay of the neutron-rich isotopes \hat{I}^2 -decay	1.1	7
28	of the neutron-rich \hat{I}^2 and \hat{I}^2 decay of the neutron-rich isotopes \hat{I}^2 -decay	1.1	1
29	Beta Decay of the Most Neutron-rich Isotopes Close to ^{78}Ni . Acta Physica Polonica B, 2015, 46, 713.	0.3	5
30	The nonlinear light output of NaI(Tl) detectors in the Modular Total Absorption Spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 788, 137-145.	0.7	15
31	Multiple \hat{I}^3 Emission of the ^{137}Xe 2849-2850 keV Levels Studied with the Modular Total Absorption Spectrometer (MTAS). , 2015, , .		6
32	First Results from the Modular Total Absorption Spectrometer at the HRIBF. Acta Physica Polonica B, 2014, 45, 545.	0.3	6
33	populated by \hat{I}^2 decay of \hat{I}^2 decay of the very neutron-rich isotopes \hat{I}^2 -decay		
34	β decay of ^{72}Co and microsecond isomers in even-mass neutron-rich nickel isotopes. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 115104.	1.4	13
35	Modular Total Absorption Spectrometer at the HRIBF (ORNL, Oak Ridge). Nuclear Data Sheets, 2014, 120, 22-25.	0.7	16
36	First Results from the Modular Total Absorption Spectrometer at the HRIBF. Nuclear Data Sheets, 2014, 120, 26-29.	0.7	5

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55	decay study of ^{152}Er . <i>European Physical Journal A</i> , 2010, 46, 45-53.	1.1	11
56	Systematics of Gamow-Teller beta decay of ^{100}Sn . <i>European Physical Journal A</i> , 2010, 46, 45-53.	1.0	12
57	Complete correlation studies of two-proton decays: ^6Be and ^{45}Fe . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 677, 30-35.	1.5	50
58	Two-proton radioactivity of ^{45}Fe . <i>European Physical Journal A</i> , 2009, 42, 431.	1.0	14
59	Shell structure beyond the proton drip line studied via proton emission from deformed ^{141}Ho . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 664, 52-56.	1.5	46
60	NEUTRON SINGLE PARTICLE STATES AND ISOMERS IN ODD MASS NICKEL ISOTOPES NEAR ^{78}Ni . , 2008, , .		0
61	Fine structure in proton emission from the deformed [$^{141}\text{g.s.}\text{Ho}$] [$^{141}\text{m}\text{Ho}$]. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	1
62	Decay Properties of ^{77}Ni odd-Z Isotones. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	0
63	Imaging nuclear decays with Optical Time Projection Chamber. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	0
64	isomer in ^{216}Fr . <i>Physical Review C</i> , 2007, 76, .	1.1	7
65	First observation of $^2\text{-delayed}$ three-proton emission in ^{45}Fe . <i>Physical Review C</i> , 2007, 76, .	1.1	37
66	Two-Proton Correlations in the Decay of ^{45}Fe . <i>Physical Review Letters</i> , 2007, 99, 192501.	2.9	108
67	Beta decay of ^{101}Sn . <i>European Physical Journal A</i> , 2007, 31, 319-325.	1.0	35
68	Beta decay of the proton-rich nuclei ^{102}Sn and ^{104}Sn . <i>European Physical Journal A</i> , 2006, 27, 129-136.	1.0	19
69	Gamow-Teller beta decay of ^{105}Sn . <i>European Physical Journal A</i> , 2006, 29, 183-188.	1.0	8
70	Production cross-sections of protactinium and thorium isotopes produced in fragmentation of ^{238}U at 1 A GeV . <i>Nuclear Physics A</i> , 2006, 767, 1-12.	0.6	16
71	Decay Q-value of ^{105}Sn and of other nuclei near ^{100}Sn , measured at the GSI on-line mass separator. <i>International Journal of Mass Spectrometry</i> , 2006, 251, 138-145.	0.7	8
72	Systematics of isomeric configurations in $N=77$ odd-Z isotones near the proton drip line. <i>Physical Review C</i> , 2006, 73, .	1.1	29

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73	Low energy structure of even-even Ni isotopes close to ^{78}Ni . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 622, 45-54.	1.5	74
74	Nuclear structure studies at the proton drip line via proton radioactivity studies. Nuclear Instruments & Methods in Physics Research B, 2005, 241, 185-189.	0.6	28
75	Lifetimes of proton unstable states in ^{113}I measured by the particle-X-ray coincidence technique. European Physical Journal A, 2005, 24, 205-209.	1.0	2
76	Beta decay of ^{103}Sn . European Physical Journal A, 2005, 25, 211-222.	1.0	20
77	Study of fine structure in the proton radioactivity of ^{146}Tm . European Physical Journal A, 2005, 25, 149-150.	1.0	7
78	Beta-decay studies near ^{100}Sn . European Physical Journal A, 2005, 25, 135-138.	1.0	15
79	Beta-decay spectroscopy of $^{103}, ^{105}\text{Sn}$. European Physical Journal A, 2005, 25, 139-141.	1.0	8
80	Discovery of the new proton emitter ^{144}Tm . European Physical Journal A, 2005, 25, 145-147.	1.0	23
81	Beta-delayed \hat{I}^3 and neutron emission near the double shell closure at ^{78}Ni . European Physical Journal A, 2005, 25, 93-94.	1.0	11
82	Decay spectroscopy of suburanium isotopes following projectile fragmentation of ^{238}U at 1GeV/u. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 543, 591-601.	0.7	24
83	Isomer And Beta-Decay Studies Of Nuclei Near ^{78}Ni . AIP Conference Proceedings, 2005, , .	0.3	2
84	Structure Of Rare-Earth Nuclei Around The Proton Drip Line. AIP Conference Proceedings, 2005, , .	0.3	13
85	Beta-decay studies near ^{100}Sn . , 2005, , 135-138.		0
86	Beta-delayed \hat{I}^3 and neutron emission near the double shell closure at ^{78}Ni . , 2005, , 93-94.		0
87	Discovery of the new proton emitter ^{144}Tm . , 2005, , 145-147.		0
88	Study of fine structure in the proton radioactivity of ^{146}Tm . , 2005, , 149-150.		0
89	Recent results from \hat{I}^2 -decay studies in the ^{100}Sn region. AIP Conference Proceedings, 2004, , .	0.3	0
90	\hat{I}^2 decay of ^{148}Dy : Study of the Gamow-Teller giant state by means of total absorption spectroscopy. Physical Review C, 2004, 70, .	1.1	10

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91	Excitation energy of the T=0 \hat{I}^2 -decaying 9+ isomer in Br70. Physical Review C, 2004, 70, .	1.1	19
92	Studies of \hat{I}^2 -delayed proton decays of Nâ‰fZ nuclei around 100Sn at the GSI-ISOL facility. Nuclear Physics A, 2004, 746, 66-70.	0.6	9
93	Beta-decay studies using total absorption spectroscopy. European Physical Journal A, 2003, 20, 199-202.	1.0	5
94	The decay of the new neutron-rich isotope 217Bi. European Physical Journal A, 2003, 18, 5-8.	1.0	11
95	Isomeric and ground-state decay of 215 Bi. European Physical Journal A, 2003, 18, 31-37.	1.0	18
96	Isomerism in 96Ag and non-yrast levels in 96Pd and 95Rh, studied in \hat{I}^2 decay. Nuclear Physics A, 2003, 720, 245-273.	0.6	31
97	Gamowâ€™Teller strength distribution near 100Sn. The beta decay of 102In. Nuclear Physics A, 2003, 724, 313-332.	0.6	25
98	Fine structure of the Gamow-Teller resonance revealed in the decay of 150Ho2â€™isomer. Physical Review C, 2003, 68, .	1.1	27
99	Fine Structure in Proton Emission from T145m Discovered with Digital Signal Processing. Physical Review Letters, 2003, 90, 012502.	2.9	58
100	Neutron single-particle states populated via proton emission from 146Tm and 150Lu. Physical Review C, 2003, 68, .	1.1	31
101	Fine structure in one-proton emission studied at Oak Ridge. AIP Conference Proceedings, 2003, , .	0.3	2
102	Recent Results Of Proton Drip-Line Studies At The HRIBF Recoil Mass Spectrometer. AIP Conference Proceedings, 2003, , .	0.3	0
103	The art of digital spectroscopy â€™ a new tool in action. , 2003, , 453-457.		0
104	Beta decay of 96Ag isomers and delayed proton emission to 95Rh levels. , 2003, , 331-331.		0
105	Nuclear level density from beta decay measurements: The Gamowâ€™Teller resonance as a lens to study nuclear properties. , 2003, , 345-345.		0
106	Gamowâ€™Teller strength distribution near 100Sn: The \hat{I}^2 decay of 102In. , 2003, , 336-336.		0
107	\hat{I}^2 decay of 100In. Physical Review C, 2002, 66, .	1.1	29
108	Beta decay of 57Zn*. EPJ Direct, 2002, 4, 1-11.	0.1	7

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109	Fine structure in proton emission. AIP Conference Proceedings, 2002, , .	0.3	3
110	Towards new proton radioactivities with radioactive beams and digital signal processing. Nuclear Physics A, 2002, 701, 179-183.	0.6	6
111	Total absorption spectroscopy of ^{58}Cu decay. European Physical Journal A, 2001, 12, 143-145.	1.0	11
112	Towards digital spectroscopy of proton emitters. Nuclear Physics A, 2001, 682, 270-278.	0.6	22
113	Determination of the Gamow-Teller strength function for the neutron-deficient isotopes ^{104}In – ^{107}In . Nuclear Physics A, 2001, 690, 367-381.	0.6	17
114	Beta decay of ^{56}Cu . Nuclear Physics A, 2001, 695, 69-81.	0.6	18
115	Statistical analysis of rare events—synthesis of the element 114. European Physical Journal A, 2000, 8, 81.	1.0	10
116	Prospects for future proton studies at HRIBF. AIP Conference Proceedings, 2000, , .	0.3	1
117	Proton drip-line studies at HRIBF. AIP Conference Proceedings, 2000, , .	0.3	0
118	\hat{I}^2 decay of ^{66}Co , ^{68}Co , and ^{70}Co . Physical Review C, 2000, 61, .	1.1	87
119	\hat{I}^2 decay of ^{98}Ag : Evidence for the Gamow-Teller resonance near ^{100}Sn . Physical Review C, 2000, 62, .	1.1	37
120	Proton decay studies of the light Lu, Tm and Ho isotopes. , 1999, , .		0
121	Short-lived proton radioactivity studies at HRIBF. , 1999, , .		0
122	Total absorption spectroscopy of $^{150}\text{Ho}^{2+}$ and $^{150}\text{Ho}^{9+}$ decays. , 1999, , .		0
123	Observation of the GT resonance in the \hat{I}^2 $^{150}\text{Ho}^{+}$ -decay of $^{150}\text{Ho}^{2+}$. , 1999, , .		0
124	Recent beta-decay experiments on nuclei beyond ^{56}Ni . , 1999, , .		0
125	Identification of a proton-emitting isomer in ^{151}Lu . Physical Review C, 1999, 59, R2984-R2988.	1.1	36
126	Proton emission from ^{150}Lu . Physical Review C, 1999, 61, .	1.1	19

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127	Proton emitters ^{140}Ho and ^{141}Ho : Probing the structure of unbound Nilsson orbitals. <i>Physical Review C</i> , 1999, 60, .	1.1	68
128	\hat{I}^2 -decay of ^{97}Ag : Evidence for the Gamow-Teller resonance near ^{100}Sn . <i>Physical Review C</i> , 1999, 60, .	1.1	56
129	The GT resonance revealed in \hat{I}^2 -decay using new experimental techniques. <i>Nuclear Physics A</i> , 1999, 654, 727c-730c.	0.6	17
130	Pulse pileup correction of large NaI(Tl) total absorption spectra using the true pulse shape. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999, 430, 488-497.	0.7	67
131	Monte Carlo simulation of the response of a large NaI(Tl) total absorption spectrometer for \hat{I}^2 -decay studies. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999, 430, 333-347.	0.7	60
132	Beta decay of ^{103}In : Evidence for the Gamow-Teller resonance near ^{100}Sn . <i>Nuclear Physics A</i> , 1998, 640, 3-23.	0.6	24
133	A new pulsed release method for element selective production of neutron rich isotopes near ^{208}Pb . <i>Nuclear Instruments & Methods in Physics Research B</i> , 1998, 134, 267-270.	0.6	18
134	Isomeric states in ^{66}As . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 429, 247-253.	1.5	29
135	New isotopes and isomers produced by the fragmentation of U at 1000 MeV/nucleon. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 444, 32-37.	1.5	91
136	In-beam spectroscopy study of the proton emitter ^{151}Lu . <i>Physical Review C</i> , 1998, 58, R3042-R3045.	1.1	19
137	Production and identification of new, neutron-rich nuclei in the. , 1998, , .		1
138	Proton decay studies at HRIBF. , 1998, , .		1
139	Beta strength distribution in neutron-deficient nuclei. , 1998, , .		0
140	The GT resonance revealed in. , 1998, , .		0
141	Interplay between nuclear structure and reaction mechanism in the production of projectile-like short-lived isomers. , 1998, , .		0
142	New approach to the analysis of total absorption spectra. , 1998, , .		0
143	Beta-decay of. , 1998, , .		0
144	On the road to doubly-magic. , 1998, , .		0

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145	Beta-decay of. , 1998, , .		0
146	Decay properties of ground-state and isomer of. , 1998, , .		0
147	$\hat{\beta}^2$ -decay studies of ^{107}Sb and other neutron-deficient antimony isotopes. <i>Physical Review C</i> , 1997, 55, 1715-1723.	1.1	12
148	The rp-process and new measurements of $\hat{\beta}^2$ -delayed proton decay of light Ag and Cd isotopes. <i>Nuclear Physics A</i> , 1997, 621, 215-218.	0.6	3
149	High-spin studies of the neutron deficient nuclei ^{103}In , ^{105}In , ^{107}In , and ^{109}In . <i>Nuclear Physics A</i> , 1997, 627, 239-258.	0.6	27
150	Coupling a total absorption spectrometer to the GSI on-line mass separator. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1997, 126, 411-415.	0.6	67
151	Decay properties of ground-state and isomer of ^{103}In . <i>Zeitschrift F\ddot{A}¼r Physik A</i> , 1997, 359, 117-126.	0.9	13
152	Decay properties of very neutron-deficient isotopes of silver and cadmium. <i>Nuclear Physics A</i> , 1997, 624, 185-209.	0.6	34
153	Beta-delayed proton emission around $N=50$ and the rp-process. <i>Zeitschrift F\ddot{A}¼r Physik A</i> , 1996, 356, 229-231.	0.9	5
154	First Observation of the $T_z=\hat{\alpha}^{7/2}$ Nuclei ^{45}Fe and ^{49}Ni . <i>Physical Review Letters</i> , 1996, 77, 2893-2896.	2.9	55
155	Excited states of ^{111}I and the observation of a 21 ns isomer. <i>Zeitschrift F\ddot{A}¼r Physik A</i> , 1994, 350, 179-180.	0.9	8
156	High-spin studies near ^{100}Sn with NORDBALL: New results on ^{102}In , ^{104}In and ^{108}Sb . <i>Nuclear Physics A</i> , 1993, 557, 401-410.	0.6	38
157	Beta-delayed proton emission around $N=50$ and the rp-process. <i>Zeitschrift F\ddot{A}¼r Physik A</i> , 1987, 356, 229-231.	0.9	2