V N Fedosseev

List of Publications by Year
in descending order

129 papers	3,485 citations	117625 34 h-index	161849 54 g-index
130 all docs	130 docs citations	130 times ranked	2216 citing authors

#	Article	IF	Citations
1	Spectral synthesis of multimode lasers to the Fourier limit in integrated Fabryâ€“Perot diamond resonators. Optica, 2022, 9, 317.	9.3	14
2	Decay modes of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>9</mml:mn><mml:mo>/</mml:mo><mml:msup><mml:m isomeric state in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Tl</mml:mi><mml:mprescripts /><mml:none /><mml:mn>183</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2022, 105, .	2.9	1
3	Tunable spectral squeezers based on monolithically integrated diamond Raman resonators. Applied Physics Letters, 2022, 120, .	3.3	8
4	Controlled Growth of the Self-Modulation of a Relativistic Proton Bunch in Plasma. Physical Review Letters, 2022, 129, .	7.8	8
5	Synthesis, surface chemical analysis, lifetime studies and degradation mechanisms of Cs-K-Sb photocathodes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 986, 164724.	1.6	8
6	Production of Mass-Separated Erbium-169 Towards the First Preclinical in vitro Investigations. Frontiers in Medicine, 2021, 8, 643175.	2.6	11
7	Transition between Instability and Seeded Self-Modulation of a Relativistic Particle Bunch in Plasma. Physical Review Letters, 2021, 126, 164802.	7.8	13
8	CERN-MEDICIS: A Review Since Commissioning in 2017. Frontiers in Medicine, 2021, 8, 693682.	2.6	22
9	Laser-assisted nuclear decay spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Au</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>176</mml:mn><mml:mo>,</mml:mo><mml:mn>177</mml:mn><mml:mo>,</mml:mo><mml:mn>179</mn Physical Review C, 2021, 104, .	2.9	7
10	Long-range propagation of ultrafast ionizing laser pulses in a resonant nonlinear medium. Physical Review A, 2021, 104, .	2.5	4
11	Laser Spectroscopy of Neutron-Rich <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Hg</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>207</mml:mn><mml:mo>,</mml:mo><mml:mn>208</mml:mn></mml:mrow></mml:mmultiscripts></mml [illegible] 98/Math/MathML" display="inline"><mml:mi>N</mml:mi><mml: [illegible]	7.8	37
12	First <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> -decay spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>In</mml:mi><mml:mprescripts /><mml:none /><mml:mn>135</mml:mn></mml:mmultiscripts></mml:math> and new <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> -decay branches of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>In</	2.9	5
13	Efficient Production of High Specific Activity Thulium-167 at Paul Scherrer Institute and CERN-MEDICIS. Frontiers in Medicine, 2021, 8, 712374.	2.6	11
14	Large Shape Staggering in Neutron-Deficient Bi Isotopes. Physical Review Letters, 2021, 127, 192501.	7.8	27
15	New Î² -decaying state in Bi214. Physical Review C, 2021, 104, .	2.9	1
16	Charge radii, moments, and masses of mercury isotopes across the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>126</mml shell closure. Physical Review C, 2021, 104, .	2.9	10
17	Monolithically integrated widely tunable single-frequency diamond Raman lasers. , 2021, , .		1
18	Atom beam emersion from hot cavity laser ion sources. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 449-454.	1.4	3

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19	Laser-assisted decay spectroscopy for the ground states of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Au</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>180</mml:mn><mml:mo>,</mml:mo><mml:mn>182</mml:mn></mml:mrow></mml:mmultiscripts></mml:m Physical Review C, 2020, 102, .	2.9	10
20	Production and study of neutron rich heavy nuclei, GALS setup. Journal of Physics: Conference Series, 2020, 1555, 012021.	0.4	0
21	Î² -delayed fission of isomers in Bi188. Physical Review C, 2020, 102, .	2.9	7
22	The electron affinity of astatine. Nature Communications, 2020, 11, 3824.	12.8	42
23	Detailed spectroscopy of doubly magic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Sn</mml:mi><mml:mprescripts /><mml:none /><mml:mn>132</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2020, 102, .	2.9	10
24	Laser-assisted decay spectroscopy and mass spectrometry of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Au</mml:mi><mml:mprescripts /><mml:none /><mml:mn>178</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2020, 102, .	2.9	8
25	Hyperfine anomaly in gold and magnetic moments of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msup><mml:mi>I</mml:mi><mml:mi>Ï€</mml:mi></mml:m gold isomers. Physical Review C, 2020, 101, .	2.9	24
26	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> -decay branching ratio of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Pt</mml:mi><mml:mprescripts /><mml:none /><mml:mn>180</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2020, 101, .	2.9	2
27	Proton Bunch Self-Modulation in Plasma with Density Gradient. Physical Review Letters, 2020, 125, 264801.	7.8	5
28	Broadly tunable linewidth-invariant Raman Stokes comb for selective resonance photoionization. Optics Express, 2020, 28, 8589.	3.4	14
29	Enabling the use of Raman lasers for spectroscopy: continuous tunability, narrow linewidth and efficient cascading in diamond. , 2020, , .		0
30	Spectral and polarization effects in cascaded narrow linewidth diamond Raman lasers. , 2020, , .		0
31	Alternative approach to populate and study the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Th</mml:mi><mml:mprescripts /><mml:none /><mml:mn>229</mml:mn></mml:mmultiscripts></mml:math> nuclear clock isomer. Physical Review C, 2019, 100, .	2.9	19
32	Proton-driven plasma wakefield acceleration in AWAKE. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2019, 377, 20180418.	3.4	8
33	Fine structure in the Î± decay of At218. Physical Review C, 2019, 99, .	2.9	5
34	Microscopic structure of coexisting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mn>0</mml:mn><mml:mo>+</mml:mo></mml:msup></mml states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ni</mml:mi><mml:mprescripts /><mml:none /><mml:mn>68</mml:mn></mml:mmultiscripts></mml:math> probed via two-neutron transfer. Physical Review C, 2019, 99, .	2.9	8
35	Inverse odd-even staggering in nuclear charge radii and possible octupole collectivity in At217,218,219 revealed by in-source laser spectroscopy. Physical Review C, 2019, 99, .	2.9	13
36	Shape staggering of midshell mercury isotopes from in-source laser spectroscopy compared with density-functional-theory and Monte Carlo shell-model calculations. Physical Review C, 2019, 99, .	2.9	43

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37	Experimental Observation of Plasma Wakefield Growth Driven by the Seeded Self-Modulation of a Proton Bunch. Physical Review Letters, 2019, 122, 054801.	7.8	49
38	Experimental Observation of Proton Bunch Modulation in a Plasma at Varying Plasma Densities. Physical Review Letters, 2019, 122, 054802.	7.8	49
39	Î² decay of In133 : Î³ emission from neutron-unbound states in Sn133. Physical Review C, 2019, 99, .	2.9	9
40	Developments towards the delivery of selenium ion beams at ISOLDE. European Physical Journal A, 2019, 55, 1.	2.5	3
41	Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Be</mml:mi><mml:mprescripts /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>n</mml:mi><mml:mo>,</mml:mo><mml:mi>p</mml:m cross section at thermal energy. Physical Review C, 2019, 99, .	2.9	9
42	Continuously tunable diamond Raman laser for resonance laser ionization. Optics Letters, 2019, 44, 3924.	3.3	19
43	Gamma Factory at CERN --- Novel Research Tools Made of Light. Acta Physica Polonica B, 2019, 50, 1191.	0.8	11
44	Continuously tunable diamond Raman laser for resonance ionization experiments at CERN. , 2019, , .		0
45	The electron accelerators for the AWAKE experiment at CERNâ€"Baseline and Future Developments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 909, 102-106.	1.6	16
46	Laser-spectroscopy studies of the nuclear structure of neutron-rich radium. Physical Review C, 2018, 97, .	2.9	21
47	AWAKE readiness for the study of the seeded self-modulation of a 400 GeV proton bunch. Plasma Physics and Controlled Fusion, 2018, 60, 014046.	2.1	37
48	Heavy neutron rich nuclei: production and investigation. Journal of Physics: Conference Series, 2018, 1023, 012004.	0.4	3
49	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mi>Î²</mml:mi><mml:mo>âˆ’</mml:mo></mml:msup></m decay study of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Mn</mml:mi><mml:mprescripts /><mml:none /><mml:mn>66</mml:mn></mml:mmultiscripts><mml:mtext>âˆ’</mml:mtext><mml:mmultiscripts><mml:mi>Fe</mml:mi><mml:mpres	2.9	11
50	Characterization of the shape-staggering effect in mercury nuclei. Nature Physics, 2018, 14, 1163-1167.	16.7	106
51	Acceleration of electrons in the plasma wakefield of a proton bunch. Nature, 2018, 561, 363-367.	27.8	162
52	Charge radii and electromagnetic moments of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>At</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>195</mml:mn><mml:mo>â€“</mml:mo><mml:mn>211</mml:mn></mml:mrow></mml:mmultiscripts></mm Physical Review C, 2018, 97, .	2.9	35
53	Precision Mass Measurements of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Cr</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>58</mml:mn><mml:mo>â€“</mml:mo><mml:mn>63</mml:mn></mml:mrow></mml:mmultiscripts></mml: : Nuclear Collectivity Towards the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>40</mml:mn></mml:math> Island	7.8	40
54	Changes in mean-squared charge radii and magnetic moments of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Tl</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>179</mml:mn><mml:mo>â€“</mml:mo><mml:mn>184</mml:mn></mml:mrow></mml:mmultiscripts></mm measured by in-source laser spectroscopy. Physical Review C, 2017, 95, .	2.9	23

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55	Shape coexistence studied in ${}^{mathrm{182,184}}$Hg via the<i>Î²</i>decay of ${}^{mathrm{182,184}}$Tl. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 074001.	3.6	13
56	Spectroscopy of the long-lived excited state in the neutron-deficient nuclides <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Po</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>195</mml:mn><mml:mo>,</mml:mo><mml:mn>197</mml:mn><mml:mo>,</mml:mo><mml:mn>199</mml: by precision mass measurements. Physical Review C, 2017, 96, .	2.9	15
57	Laser photodetachment of radioactive¹²⁸I^{â^'}. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 104003.	3.6	13
58	Penning-trap mass spectrometry and mean-field study of nuclear shape coexistence in the neutron-deficient lead region. Physical Review C, 2017, 95, .	2.9	12
59	Detailed <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math> -decay study of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Tl</mml:mi><mml:mprescripts /><mml:none /><mml:mn>180</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2017, 96, .	2.9	4
60	RILIS-ionized mercury and tellurium beams at ISOLDE CERN. Hyperfine Interactions, 2017, 238, 1.	0.5	11
61	Resonance ionization scheme development for europium. Hyperfine Interactions, 2017, 238, 1.	0.5	1
62	Current status of GALS setup in JINR. Hyperfine Interactions, 2017, 238, 1.	0.5	4
63	Ion beam production and study of radioactive isotopes with the laser ion source at ISOLDE. Journal of Physics G: Nuclear and Particle Physics, 2017, 44, 084006.	3.6	97
64	Production and investigation of heavy neutron rich nuclei. EPJ Web of Conferences, 2017, 163, 00065.	0.3	0
65	GALS - setup for production and study of multinucleon transfer reaction products: present status. Journal of Physics: Conference Series, 2016, 724, 012057.	0.4	3
66	<i>Î±</i>-decay study of ${}^{mathrm{182,184}}$Tl. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 025102.	3.6	10
67	Laser and decay spectroscopy of the short-lived isotope <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Fr</mml:mi><mml:mprescripts /><mml:none /><mml:mn>214</mml:mn></mml:mmultiscripts></mml:math> in the vicinity of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>N</mml:mi><mml:mo>=</mml:mo><mml:mn>126</mml shell closure. Physical Review C, 2016, 94, .	2.9	15
68	The electron accelerator for the AWAKE experiment at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 829, 73-75.	1.6	5
69	AWAKE, The Advanced Proton Driven Plasma Wakefield Acceleration Experiment at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 829, 76-82.	1.6	77
70	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math>-delayed fission and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math>decay of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">At</mml:mi><mml:mprescripts /><mml:none /><mml:mn>196</mml:mn></mml:mm	2.9	10
71	Structure of low-lying states in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Sm</mml:mi><mml:mprescripts /><mml:none /><mml:mn>140</mml:mn></mml:mmultiscripts></mml:math>studied by Coulomb excitation. Physical Review C, 2016, 93, .	2.9	12
72	Combined high-resolution laser spectroscopy and nuclear decay spectroscopy for the study of the low-lying states inFr206,At202, andBi198. Physical Review C, 2016, 93, .	2.9	14

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73	Path to AWAKE: Evolution of the concept. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 829, 3-16.	1.6	55
74	Experimental study of theNi66(d,p)ÂNi67one-neutron transfer reaction. Physical Review C, 2015, 91, .	2.9	9
75	Shapes of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Pb</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>192</mml:mn><mml:mo>,</mml:mo><mml:mn>190</mml:mn></mml:mrow></mml:mmultiscripts></mml:m states from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math>-decay studies	2.9	14
76	Internal decay of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>(</mml:mo><mml:msup><mml:mn>10</mml:mn><mml:mo>âˆ’</mml state in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Tl</mml:mi><mml:mprescripts /><mml:none /><mml:mn>184</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2015, 92, .	2.9	7
77	Use of a Continuous Wave Laser and Pockels Cell for Sensitive High-Resolution Collinear Resonance Ionization Spectroscopy. Physical Review Letters, 2015, 115, 132501.	7.8	54
78	GALS â€" setup for production and study of heavy neutron rich nuclei. EPJ Web of Conferences, 2015, 86, 00067.	0.3	1
79	X-ray Photoemission Spectroscopy Studies of Cesium Antimonide Photocathodes for Photoinjector Applications. Physics Procedia, 2015, 77, 34-41.	1.2	20
80	Low-energy Coulomb excitation of 62Fe and 62Mn following in-beam decay of 62Mn. European Physical Journal A, 2015, 51, 1.	2.5	7
81	Characterization of the low-lying<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>0</mml:mn><mml:msup><mml:mrow /><mml:mo>+</mml:mo></mml:msup></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>2</mml:mn><mml:msup><mml:mrow /><mml:mo>+</mml:mo></mml:msup></mml:math>states in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="norm	2.9	42
82	Laser spectroscopy of francium isotopes at the borders of the region of reflection asymmetry. Physical Review C, 2014, 90, .	2.9	39
83	Multi-nucleon transfer reactions for production and study of heavy neutron rich nuclei. Journal of Physics: Conference Series, 2014, 533, 012025.	0.4	2
84	Electromagnetic moments of odd-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>A</mml:mi></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Po</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>193</mml:mn><mml:mo>â€"</mml:mo><mml:mn>203</mml:mn><mml:mo>,</mml:mo><mml:mn>211</m Physical Review C, 2014, 89, .	2.9	51
85	Evolution of fission-fragment mass distributions in the neutron-deficient lead region. Physical Review C, 2014, 90, .	2.9	39
86	RILIS applications at CERN/ISOLDE. Hyperfine Interactions, 2014, 227, 101-111.	0.5	10
87	Gas-cell-based setup for the production and study of neutron rich heavy nuclei. Hyperfine Interactions, 2014, 227, 181-189.	0.5	11
88	Measurement of the first ionization potential of astatine by laser ionization spectroscopy. Nature Communications, 2013, 4, 1835.	12.8	89
89	Production and study of heavy neutron rich nuclei formed in multi-nucleon transfer reactions. Hyperfine Interactions, 2013, 216, 109-113.	0.5	6
90	First results from the CRIS experiment. Hyperfine Interactions, 2013, 227, 131.	0.5	2

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91	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î±</mml:mi></mml:math>-decay spectroscopy of the chain<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>179</mml:mn></mml:msup></mml:math>Tl<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow /><mml:mi>g</mml:mi></mml:msup><mml:msup>	2.9	13
92	The Miniball spectrometer. European Physical Journal A, 2013, 49, 1.	2.5	126
93	Collinear Resonance Ionization Spectroscopy of Neutron-Deficient Francium Isotopes. Physical Review Letters, 2013, 111, 212501.	7.8	63
94	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>-delayed fission of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>180</mml:mn></mml:msup></mml:math>Tl. Physical Review C, 2013, 88, .	2.9	41
95	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>decay of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>61</mml:mn></mml:msup></mml:math>Mn to levels in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>61</mml:mn></mml:msup></mml:math>Fe. Physical Review C, 2013, 88, .	2.9	13
96	High-power UV light generation in picosecond pulse trains. , 2013, , .		0
97	Upgrade of the resonance ionization laser ion source at ISOLDE on-line isotope separation facility: New lasers and new ion beams. Review of Scientific Instruments, 2012, 83, 02A903.	1.3	83
98	Gamow-Teller decay population of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>64</mml:mn></mml:msup></mml:math>Ni levels in the decay of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mn>1</mml:mn><mml:mo>+</mml:mo></mml:msup></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>64</mml:mn></mml:msup></mml:math>Co. Physical Review C, 2012, 86, .	2.9	7
99	Early onset of deformation in the neutron-deficient polonium isotopes. Journal of Physics: Conference Series, 2012, 381, 012072.	0.4	3
100	Resonance laser ionization of atoms for nuclear physics. Physica Scripta, 2012, 85, 058104.	2.5	92
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105	… nuclides<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mrow><mml:mn>137</mml:mn><mml:mo>,</mml:mo><mml:mn>138</mml:mn><mml:mo>,</mml:mo><mml:mn>139</mn and the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><	2.9	23
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