

P Van Duppen

List of Publications by Year in descending order

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373
papers

10,352
citations

38742

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381
all docs

381
docs citations

381
times ranked

2664
citing authors

#	ARTICLE	IF	CITATIONS
1	Coexistence in even-mass nuclei. <i>Physics Reports</i> , 1992, 215, 101-201.	25.6	616
2	A triplet of differently shaped spin-zero states in the atomic nucleus ^{186}Pb . <i>Nature</i> , 2000, 405, 430-433.	27.8	367
3	New Type of Asymmetric Fission in Proton-Rich Nuclei. <i>Physical Review Letters</i> , 2010, 105, 252502.	7.8	197
4	A shell-model description of 0^+ intruder states in even-even nuclei. <i>Nuclear Physics A</i> , 1987, 466, 189-226.	1.5	191
5	Facilities and methods for radioactive ion beam production. <i>Physica Scripta</i> , 2013, T152, 014023.	2.5	157
6	MINIBALL A Ge detector array for radioactive ion beam facilities. <i>Progress in Particle and Nuclear Physics</i> , 2001, 46, 389-398.	14.4	148
7	Study of the elastic scattering of ^6He on ^{208}Pb at energies around the Coulomb barrier. <i>Nuclear Physics A</i> , 2008, 803, 30-45.	1.5	148
8	Beta Decay of ^{68}Ni and Level Structure of Neutron-Rich Cu Isotopes. <i>Physical Review Letters</i> , 1998, 81, 3100-3103.	7.8	126
9	The Miniball spectrometer. <i>European Physical Journal A</i> , 2013, 49, 1.	2.5	126
10	Observation of Low-Lying $J^\pi=0^+$ States in the Single-Closed-Shell Nuclei $^{192}\text{a} \sim ^{198}$. <i>Physical Review Letters</i> , 1984, 52, 1974-1977.	7.8	124
11	Characterization of the shape-staggering effect in mercury nuclei. <i>Nature Physics</i> , 2018, 14, 1163-1167.	16.7	106
12	Atom-at-a-time laser resonance ionization spectroscopy of nobelium. <i>Nature</i> , 2016, 538, 495-498.	27.8	103
13	Storage ring at HIE-ISOLDE. <i>European Physical Journal: Special Topics</i> , 2012, 207, 1-117.	2.6	101
14	Beams of short lived nuclei produced by selective laser ionization in a gas cell. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1996, 114, 350-365.	1.4	99
15	Unambiguous Identification of Three 2 -Decaying Isomers in ^{70}Cu . <i>Physical Review Letters</i> , 2004, 92, 112501.	7.8	99
16	Sub-Barrier Coulomb Excitation of ^{110}Sn and Its Implications for the ^{100}Sn Shell Closure. <i>Physical Review Letters</i> , 2007, 98, .	7.8	94
17	Early Onset of Ground State Deformation in Neutron Deficient Polonium Isotopes. <i>Physical Review Letters</i> , 2011, 106, 052503.	7.8	94
18	Signatures of the $Z < 82$ Shell Closure in $^{\pm}$ -Decay Process. <i>Physical Review Letters</i> , 2013, 110, 242502.	7.8	93

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19	Towards high-resolution laser ionization spectroscopy of the heaviest elements in supersonic gas jet expansion. <i>Nature Communications</i> , 2017, 8, 14520.	12.8	90
20	\hat{I}^2 decay of ^{66}Co , ^{68}Co , and ^{70}Co . <i>Physical Review C</i> , 2000, 61, .	2.9	87
21	The REX-ISOLDE project. , 2000, 129, 43-66.		86
22	Monopole migration in $^{69,71,73}\text{Cu}$ observed from \hat{I}^2 decay of laser-ionized ^{68}Ni . <i>Physical Review C</i> , 2001, 64, .	2.9	82
23	<i>Colloquium</i>: Beta-delayed fission of atomic nuclei. <i>Reviews of Modern Physics</i> , 2013, 85, 1541-1559.	45.6	82
24	The in-gas-jet laser ion source: Resonance ionization spectroscopy of radioactive atoms in supersonic gas jets. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2013, 297, 7-22.	1.4	77
25	MATS and LaSpec: High-precision experiments using ion traps and lasers at FAIR. <i>European Physical Journal: Special Topics</i> , 2010, 183, 1-123.	2.6	76
26	Magnetic Dipole Moment of $^{57,59}\text{Cu}$ Measured by In-Gas-Cell Laser Spectroscopy. <i>Physical Review Letters</i> , 2009, 103, 102501.	7.8	72
27	Pulse shape of the ISOLDE radioactive ion beams. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1997, 126, 130-134.	1.4	70
28	New states in heavy Cd isotopes and evidence for weakening of the $N = 82$ shell structure. <i>European Physical Journal A</i> , 2000, 9, 201-206.	2.5	70
29	Coulomb Excitation of $^{68,70}\text{Cu}$: First Use of Postaccelerated Isomeric Beams. <i>Physical Review Letters</i> , 2007, 98, 122701.	7.8	70
30	Magicity of the ^{68}Ni Semidouble-Closed-Shell Nucleus Probed by Gamow-Teller Decay of the Odd-A Neighbors. <i>Physical Review Letters</i> , 1999, 83, 3613-3616.	7.8	64
31	Charge radii of odd-A ^{191}Po isotopes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 719, 362-366.	4.1	64
32	Probing Sizes and Shapes of Nobelium Isotopes by Laser Spectroscopy. <i>Physical Review Letters</i> , 2018, 120, 232503.	7.8	63
33	Intensity limitations of a gas cell for stopping, storing and guiding of radioactive ions. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2002, 187, 535-547.	1.4	61
34	A gas cell for thermalizing, storing and transporting radioactive ions and atoms. Part I: Off-line studies with a laser ion source. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2001, 179, 412-435.	1.4	60
35	Charge radii and magnetic moments of odd- A $^{183-189}\text{Pb}$ isotopes. <i>European Physical Journal A</i> , 2009, 41, 315-321.	2.5	60
36	Life time measurements of 0^+ intruder states in $^{190,192,194}\text{Pb}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1989, 226, 27-30.	4.1	59

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37	Dual chamber laser ion source at LISOL. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 2908-2917. R-matrix analysis of the \hat{I}^2 decays of N	1.4	59
38	N Shape isomerism at $N=40$: Discovery of a proton intruder state in ^{67}Co . Physical Review C, 2008, 78, .	2.9	59
39	Shape isomerism at $N=40$: Discovery of a proton intruder state in ^{67}Co . Physical Review C, 2008, 78, .	2.9	58
40	Low-energy Coulomb excitation of neutron-rich zinc isotopes. Physical Review C, 2009, 79, .	2.9	58
41	The SPIC, improvement of the efficiency and beam quality of an ion-guide based on-line isotope separator. Nuclear Instruments & Methods in Physics Research B, 1997, 126, 194-197.	1.4	57
42	Intruder states in odd-odd Tl nuclei populated in the \hat{I}^{\pm} -decay of odd-odd Bi isotopes. Nuclear Physics A, 1991, 529, 268-288.	1.5	56
43	On-line yields obtained with the ISOLDE RILIS. Nuclear Instruments & Methods in Physics Research B, 2003, 204, 347-352.	1.4	56
44	Low-lying $J^{\pi}=0^{+}$ states in $^{190,192}\text{Pb}$ populated in the \hat{I}^{\pm} -decay of $^{194,196}\text{Po}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 154, 354-357.	4.1	55
45	Magnetic moments of ^{68}Cu and ^{70}Cu nuclei measured by in-source laser spectroscopy. Physical Review C, 2002, 65, .	2.9	55
46	Beams of isotopes produced at LISOL by laser ionization after thermalization of energetic ions in a gas cell. Nuclear Instruments & Methods in Physics Research B, 2003, 204, 336-342.	1.4	55
47	Fine structure in the \hat{I}^{\pm} -decay of $^{188,192}\text{Po}$. Physical Review C, 2003, 68, .	2.9	54
48	Structure of $^{65,67}\text{Co}$ studied through the \hat{I}^2 -decay of $^{65,67}\text{Fe}$ and a deep-inelastic reaction. Physical Review C, 2009, 79, .	2.9	53
49	Hindered ($\hat{I}^{\pi}=0$) Alpha Decay and Shape Staggering in ^{191}Po . Physical Review Letters, 1999, 82, 1819-1822.	7.8	51
50	Electromagnetic moments of odd- Z ^{193}Po and ^{203}Po . Physical Review C, 2014, 89, .	2.9	51
51	T-REX. European Physical Journal A, 2012, 48, 1.	2.5	50
52	A gas cell for thermalizing, storing and transporting radioactive ions and atoms. Part II: On-line studies with a laser ion source. Nuclear Instruments & Methods in Physics Research B, 2004, 226, 401-418.	1.4	48
53	Analysis methods of safe Coulomb-excitation experiments with radioactive ion beams using the GOSIA code. European Physical Journal A, 2016, 52, 1.	2.5	48
54	New developments of the in-source spectroscopy method at RILIS/ISOLDE. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 550-556.	1.4	47

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55	Investigation of the \pm -cluster structure of Ne22 and Mg22. Physical Review C, 2004, 69, .	2.9	46
56	Alpha-decay of neutron-deficient 200Fr and heavier neighbours. European Physical Journal A, 2005, 23, 243-247.	2.5	46
57	Shape coexistence in ^{180}Hg studied through the β^2 decay of ^{180}Tl . Physical Review C, 2011, 84, .	2.9	46
58	Mixing of intruder and normal states in Pb nuclei. Journal of Physics G: Nuclear and Particle Physics, 1990, 16, 441-450.	3.6	45
59	Fine structure in the \pm decay of ^{192}Po . Zeitschrift für Physik A, 1996, 356, 3-4.	0.9	45
60	Alpha decay of the new isotopes $^{188,189}\text{Po}$. European Physical Journal A, 1999, 6, 381-385.	2.5	45
61	On the validity of the Geiger-Nuttall alpha-decay law and its microscopic basis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 734, 203-206.	4.1	45
62	Shape-changing particle decays of ^{218}Bi and structure of the lightest odd-mass Bi isotopes. Physical Review C, 2004, 69, .	2.9	43
63	Magnetic dipole moments of ^{57}Cu and ^{58}Cu . Physical Review C, 2010, 81, .	2.9	43
64	In gas laser ionization and spectroscopy experiments at the Superconducting Separator Spectrometer (S3): Conceptual studies and preliminary design. Nuclear Instruments & Methods in Physics Research B, 2013, 317, 570-581.	1.4	43
65	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
66	Intruder states in odd-odd Tl nuclei: The completion of a unique set of intruder systematics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 201, 293-296.	4.1	42
67	Characterization of the low-lying ^{180}Hg states in ^{180}Tl . Physical Review C, 2013, 88, .	2.9	42
68	Alpha-decay study of ^{188}Pb and $^{180,182}\text{Hg}$. Zeitschrift für Physik A, 1993, 345, 21-27.	0.9	41
69	Precise branching ratios to unbound ^{12}C states from ^{12}N and ^{12}B β^2 -decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 678, 459-464.	4.1	41
70	Physics with REX-ISOLDE: from experiment to facility. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 024005.	3.6	41
71	β^2 -delayed fission of ^{180}Tl . Physical Review C, 2013, 88, .	2.9	41
72	Shape dynamics in neutron-rich Kr isotopes: Coulomb excitation of ^{92}Kr , ^{94}Kr and ^{96}Kr . Nuclear Physics A, 2013, 899, 1-28.	1.5	40

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73	Laser ion source for multi-nucleon transfer reaction products. Nuclear Instruments & Methods in Physics Research B, 2015, 353, 4-15.	1.4	40
74	The REX-ISOLDE project. Nuclear Instruments & Methods in Physics Research B, 1998, 139, 128-135.	1.4	39
75	Energy and range focusing of in-flight separated exotic nuclei " A study for the energy-buncher stage of the low-energy branch of the Super-FRS. Nuclear Instruments & Methods in Physics Research B, 2003, 204, 119-123.	1.4	39
76	Evolution of the nuclear structure approaching $Ni78$: β^2 decay of $Cu74$. Physical Review C, 2005, 71, .	2.9	39
77	The Laser Ion Source Trap (LIST) coupled to a gas cell catcher. Nuclear Instruments & Methods in Physics Research B, 2009, 267, 2918-2926.	1.4	39
78	In-gas-cell laser ionization spectroscopy in the vicinity of $100Sn$: Magnetic moments and mean-square charge radii of N . Ag. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 191-197.	4.1	39
79	Evolution of fission-fragment mass distributions in the neutron-deficient lead region. Physical Review C, 2014, 90, .	2.9	39
80	β^2 -decay study of $54,55Ni$ produced by an element-selective laser ion source. Physical Review C, 1999, 59, 2416-2421.	2.9	38
81	Study of short-lived silver isotopes with a laser ion source. Zeitschrift für Physik A, 1995, 353, 9-10.	0.9	37
82	Identification of low-lying proton-based intruder states in 189 – $193Pb$. Physical Review C, 2002, 65, .	2.9	37
83	Laser Spectroscopy of Neutron-Rich N . Isotopes: Illuminating the Kink and Odd-Even Staggering in Charge Radii across the N . Physical Review C, 2014, 89, .	2.9	37
84	An electron cyclotron resonance ion source for efficient production of radioactive ion beams. Nuclear Instruments & Methods in Physics Research B, 1991, 58, 252-259.	1.4	36
85	Isotope Separation On Line and Post Acceleration. , 2006, , 37-77.		36
86	β^2 -decay of the new isotope $Po187$: Probing prolate structures beyond the neutron mid-shell at $N = 104$. Physical Review C, 2006, 73, .	2.9	36
87	Shape coexistence in neutron-deficient Hg isotopes studied via lifetime measurements in N . Physical Review C, 2014, 89, .	2.9	36
88	Beta decay of neutron-deficient even-mass indium isotopes: Evidence for population of highly-excited states in the cadmium-daughter nuclei. Nuclear Physics A, 1995, 584, 221-240.	1.5	35
89	Laser ion sources for on-line isotope separators. Nuclear Instruments & Methods in Physics Research B, 1997, 126, 66-72.	1.4	35
90	The REX-ISOLDE project. Nuclear Physics A, 1997, 616, 29-38.	1.5	35

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91	\hat{I}^2 decay of ^{67}Co . Physical Review C, 1999, 59, 2004-2008.	2.9	35
92	Shape coexistence around the Z=82 closed shell probed by \hat{I}^{\pm} -decay. , 2000, 129, 149-161.		35
93	In-beam and \hat{I}^{\pm} -decay spectroscopy of ^{191}Po and evidence for triple shape coexistence at low energy in the daughter nucleus ^{187}Pb . Physical Review C, 2002, 66, .	2.9	35
94	In-beam \hat{I}^3 -ray spectroscopy of ^{190}Po : First observation of a low-lying prolate band in Po isotopes. European Physical Journal A, 2003, 17, 167-171.	2.5	35
95	Coulomb excitation of ^{28}Ni and ^{40}Ni . Physical Review C, 2003, 68, 054301.	2.9	35
96	Charge radii and electromagnetic moments of ^{195}At and ^{211}At . Physical Review C, 2018, 97, .	2.9	35
97	Release and yields from thorium and uranium targets irradiated with a pulsed proton beam. Nuclear Instruments & Methods in Physics Research B, 1997, 126, 160-165.	1.4	33
98	Isomer separation of Cu and Cu with a resonance ionization laser ion source. Nuclear Instruments & Methods in Physics Research B, 2000, 160, 528-535.	1.4	33
99	α -decay spectroscopy of light odd-odd Bi isotopes - II: ^{186}Bi and the new nuclide ^{184}Bi . European Physical Journal A, 2003, 18, 55-64.	2.5	33
100	$2n$ -transfer contribution in the $^4\text{He}(^6\text{He},^6\text{He})^4\text{He}$ cross section at $E_{c.m.}=11.6\text{MeV}$. Physical Review C, 2003, 67, .	2.9	33
101	Scattering of ^6He at energies around the Coulomb barrier. Journal of Physics G: Nuclear and Particle Physics, 2005, 31, S1953-S1958.	3.6	33
102	Radioactive beam investigation of the $^{13}\text{N}(p,^3\text{He})^{14}\text{O}$ reaction and the hot CNO cycle. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 304, 50-54.	4.1	32
103	Elastic $2n$ -transfer in the $^4\text{He}(^6\text{He},^6\text{He})^4\text{He}$ scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 458, 1-7.	4.1	32
104	Coupling a proton and a neutron to the semidoubly magic nucleus ^{68}Ni : A study of ^{70}Cu via the \hat{I}^2 decay of ^{70}Ni and ^{70}Cu . Physical Review C, 2004, 69, .	2.9	32
105	$^{19}\text{Ne}(p,^3\text{He})^{20}\text{Na}$ and $^{19}\text{Ne}(d,n)^{20}\text{Ne}$ reactions and its astrophysical implications for the transition of the hot CNO cycle to the r process. Physical Review C, 1998, 57, 2711-2723.	2.9	31
106	Decay of the $9/2^+$ isomer in ^{181}Tl and mass determination of low-lying states in ^{181}Tl , ^{177}Au , and ^{173}Ir . Physical Review C, 2009, 80, .	2.9	31
107	Underlying Structure of Collective Bands and Self-Organization in Quantum Systems. Physical Review Letters, 2019, 123, 222502.	7.8	31
108	The beta decay of neutron-deficient rhodium and ruthenium isotopes. European Physical Journal A, 2004, 21, 243-255.	2.5	30

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109	\hat{I}_{\pm} -decay spectroscopy of the new isotope At_{192} . Physical Review C, 2006, 73, .	2.9	30
110	Abrupt changes in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{I}_{\pm} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -decay systematics as a manifestation of collective nuclear modes. Physical Review C, 2010, 81, .	2.9	30
111	α -decay spectroscopy of light odd-odd Bi isotopes - I: $188,190Bi$ nuclei. European Physical Journal A, 2003, 18, 39-54.	2.5	29
112	\hat{I}_{\pm} -decay hindrance factors: A probe of mean-field wave functions. Physical Review C, 2006, 73, .	2.9	29
113	Resonant laser ionization of polonium at rillis-isolde for the study of ground- and isomer-state properties. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4403-4406.	1.4	29
114	Combined in-beam electron and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{I}^3 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -ray spectroscopy of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle Hg \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle / \rangle \langle \text{mml:none} \rangle$	2.9	29
115	The MINIBALL array. Nuclear Physics A, 2002, 701, 209-212.	1.5	28
116	Cross section systematics for the lightest Bi and Po nuclei produced in complete fusion reactions with heavy ions. Physical Review C, 2005, 72, .	2.9	28
117	Performance of a high repetition pulse rate laser system for in-gas-jet laser ionization studies with the Leuven laser ion source @ LISOL. Nuclear Instruments & Methods in Physics Research B, 2012, 291, 29-37.	1.4	28
118	Study of $200,202Po$ through \hat{I}^2 and electron-capture decay and the manifestation of shape coexistence in the lighter Po isotopes. Physical Review C, 1998, 58, 754-764.	2.9	27
119	\hat{I}_{\pm} decay of the new isotopes $Rn_{193,194}$. Physical Review C, 2006, 74, .	2.9	27
120	Single-neutron orbits near $78 Ni$: Spectroscopy of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} \rangle \langle \text{mml:mi} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 49 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ isotope $79 Zn$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 298-302.	4.1	27
121	In-gas laser ionization and spectroscopy of actinium isotopes near the $N=126$ closed shell. Physical Review C, 2017, 96, .	2.9	27
122	Large Shape Staggering in Neutron-Deficient Bi Isotopes. Physical Review Letters, 2021, 127, 192501.	7.8	27
123	Status report of the Leuven Isotope Separator On-Line (LISOL). Nuclear Instruments & Methods in Physics Research B, 1987, 26, 105-111.	1.4	26
124	\hat{I}^2 decay of the proton-rich $Tz = \hat{a} \sim 1/2$ nucleus, $71Kr$. Physical Review C, 1997, 56, 745-752.	2.9	26
125	The REX-ISOLDE project. Nuclear Instruments & Methods in Physics Research B, 1997, 126, 218-223.	1.4	26
126	First results on in-beam \hat{I}^3 spectroscopy of neutron-rich Na and Mg isotopes at REX-ISOLDE. Nuclear Physics A, 2004, 746, 96-102.	1.5	26

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127	Coulomb excitation of neutron-rich Cd isotopes. Physical Review C, 2014, 89, .	2.9	26
128	LIGISOL: The Leuven ion guide isotope separator on-line. Nuclear Instruments & Methods in Physics Research B, 1987, 26, 399-405.	1.4	25
129	Fine structure in the $\hat{I}\pm$ decay of ^{202}Rn . Zeitschrift für Physik A, 1992, 344, 29-33.	0.9	25
130	Selective laser ionization of radioactive Ni-isotopes. Nuclear Instruments & Methods in Physics Research B, 1997, 126, 95-99.	1.4	25
131	The new isotope ^{179}Pb and $\hat{I}\pm$ -decay properties of ^{179}Tl . Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 035102.	3.6	25
132	decay of the very neutron-deficient isotopes ^{180}Po and ^{181}Po . Physical Review C, 2013, 87, .	2.9	25
133	Deformation and mixing of coexisting shapes in neutron-deficient polonium isotopes. Physical Review C, 2015, 92, .	2.9	25
134	Production of radioactive Ag ion beams with a chemically selective laser ion source. Nuclear Instruments & Methods in Physics Research B, 1997, 126, 76-80.	1.4	24
135	First observation of the \hat{I}^2 decay of neutron-rich ^{218}Bi by the pulsed-release technique and resonant laser ionization. Physical Review C, 2004, 69, .	2.9	24
136	decay of ^{180}Po and ^{181}Po . Physical Review C, 2013, 87, .	2.9	24
137	delayed fission and $\hat{I}\pm$ decay of ^{178}Fr . Physical Review C, 2013, 88, .	2.9	24
138	Hyperfine anomaly in gold and magnetic moments of ^{197}Au and ^{199}Au gold isomers. Physical Review C, 2020, 101, .	2.9	24
139	Efficiency measurements for a low charge state ionic injection into an electron beam ion source. Nuclear Instruments & Methods in Physics Research B, 1995, 101, 275-279.	1.4	23
140	Angular Distributions of $\hat{I}\pm$ Particles Emitted by Deformed Oriented Nuclei. Physical Review Letters, 1999, 82, 4787-4790.	7.8	23
141	decay of ^{194}At . Physical Review C, 2017, 95, .	2.9	23
142	Changes in mean-squared charge radii and magnetic moments of ^{179}Tl and ^{184}Tl measured by in-source laser spectroscopy. Physical Review C, 2017, 95, .	2.9	23
143	Status report of the Leuven isotope separator on-line (LISOL). Nuclear Instruments & Methods in Physics Research B, 1992, 70, 50-55.	1.4	22
144	One-step energy scanning of wide low-lying $\hat{I}\pm$ resonances in $^{13}\text{C}+p$ and $^{13}\text{N}+p$ scattering. Nuclear Physics A, 1992, 542, 263-277.	1.5	22

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145	The alpha-branching ratios of the 188,190,192Pb isotopes. Zeitschrift für Physik A, 1992, 342, 277-282.	0.9	22
146	External ion injection into an EBIS source: efficiency measurements. Nuclear Instruments & Methods in Physics Research B, 1994, 93, 378-381.	1.4	22
147	\hat{I}^2 -decay half-life of ^{70}Kr : A bridge nuclide for the process beyond $A=70$. Physical Review C, 2000, 61, .	2.9	22
148	Non-analog \hat{I}^2 decay of ^{74}Rb . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 511, 145-150.	4.1	22
149	Nuclear spins, magnetic moments and \hat{I}^\pm -decay spectroscopy of long-lived isomeric states in ^{185}Pb . European Physical Journal A, 2002, 14, 63-75.	2.5	22
150	Online test of the FRS Ion Catcher at GSI. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 4493-4497.	1.4	22
151	Measurement of the branching ratio of the ^{201}Rn α decay. Nuclear Instruments & Methods in Physics Research B, 1998, 139, 1-5.	2.9	22
152	Radiation excitation versus intruder states in ^{68}Ni . Physical Review Letters, 2000, 85, 101101.	2.9	22
153	Coulomb excitation of ^{90}Zr . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 181-186.	4.1	22
154	\hat{I}^2 -delayed fission of $^{192,194}\text{At}$. Physical Review C, 2013, 87, .	2.9	22
155	Decay of ^{201}Rn α decay. Nuclear Instruments & Methods in Physics Research B, 1998, 139, 1-5.	2.9	22
156	Change in structure between the $\hat{I}^\pm = \hat{I}^\pm 1/2$ states in ^{181}Tl and $^{177,179}\text{Au}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 355-363.	4.1	22
157	Search for octupole-deformed actinium isotopes using resonance ionization spectroscopy. Physical Review C, 2019, 100, .	2.9	22
158	A laser ion source for on-line mass separation. Hyperfine Interactions, 1992, 74, 193-204.	0.5	21
159	The discovery of a prolate-oblately spherical shape triple of spin 0^+ states in the atomic nucleus ^{186}Pb . Nuclear Physics A, 2001, 682, 482-486.	1.5	21
160	A new in-gas-laser ionization and spectroscopy laboratory for off-line studies at KU Leuven. Nuclear Instruments & Methods in Physics Research B, 2016, 376, 345-352.	1.4	21
161	Production, acceleration and use of radioactive ion beams at Louvain-la-Neuve. Nuclear Instruments & Methods in Physics Research B, 1992, 70, 393-397.	1.4	20
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