

Matti Leino

List of Publications by Year in descending order

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149
papers

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1038
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#	ARTICLE	IF	CITATIONS
1	High-resolution Scale Proton Emission from Strongly Oblate-Deformed ^{151}Lu . $\langle mml:mrow \langle mml:mmultiscripts \langle mml:mrow \langle mml:mi \rangle Lu \langle /mml:mi \rangle \langle /mml:mrow \rangle \langle mml:mprescripts \langle /mml:mprescripts \langle /mml:mrow \rangle \langle mml:mmultiscripts \langle /mml:mmultiscripts \langle /mml:mrow \rangle \langle /mml:math \rangle .$	7.8	13
2	Decay studies of new isomeric states in ^{255}No . Physical Review C, 2022, 106, .	2.9	2
3	Lifetime measurements of yrast states in ^{178}Pt using the charge plunger method with a recoil separator. European Physical Journal A, 2021, 57, 1.	2.5	1
4	Some Remarks on the Discovery of ^{244}Md . $\langle mml:mrow \langle mml:mmultiscripts \langle mml:mrow \langle mml:mi \rangle Md \langle /mml:mi \rangle \langle /mml:mrow \rangle \langle mml:mprescripts \langle /mml:mprescripts \langle /mml:mrow \rangle \langle mml:mmultiscripts \langle /mml:mmultiscripts \langle /mml:mrow \rangle \langle /mml:math \rangle .$	7.8	3
5	First observation of high-K isomeric states in ^{249}Md and ^{251}Md . European Physical Journal A, 2021, 57, 1.	2.5	3
6	Study of excited states and observation of collective level structures in the odd-odd nucleus ^{194}Bi . European Physical Journal A, 2020, 56, 1.	2.5	2
7	Isomeric $13/2^+$ state in ^{201}Fr . Physical Review C, 2020, 101, .	2.9	3
8	Evidence for octupole collectivity in ^{172}Pt . European Physical Journal A, 2020, 56, 1.	2.5	0
9	High-spin states of ^{218}Th . Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 095103.	3.6	2
10	Confirming band assignments in ^{167}Yb with gamma-gamma-electron triple-coincidence spectroscopy. European Physical Journal A, 2019, 55, 1.	2.5	18
11	Experimental study of isomeric intruder 12^+ states in ^{203}At . Physical Review C, 2017, 95, .	2.9	7
12	Detailed spectroscopy of ^{195}Bi . $\langle mml:mrow \langle mml:mmultiscripts \langle mml:mrow \langle mml:mi \rangle Bi \langle /mml:mi \rangle \langle /mml:mrow \rangle \langle mml:mprescripts \langle /mml:mprescripts \langle /mml:mrow \rangle \langle mml:mmultiscripts \langle /mml:mmultiscripts \langle /mml:mrow \rangle \langle /mml:math \rangle .$	2.9	8
13	In-beam study of ^{253}No using the SAGE spectrometer. European Physical Journal A, 2017, 53, 1.	2.5	5
14	Decay spectroscopy of ^{219}Pb and evidence for a $9/2^+$ intruder state in ^{219}Tl . Physical Review C, 2017, 96, .	2.9	3
15	Confirmation of the new isotope ^{178}Pb . Physical Review C, 2016, 94, .	2.9	12
16	Search for the terminating 27^+ state in ^{140}Nd . Physical Review C, 2015, 92, .	2.9	3
17	Detailed spectroscopy of ^{193}Bi . $\langle mml:mrow \langle mml:mmultiscripts \langle mml:mrow \langle mml:mi \rangle Bi \langle /mml:mi \rangle \langle /mml:mrow \rangle \langle mml:mprescripts \langle /mml:mprescripts \langle /mml:mrow \rangle \langle mml:mmultiscripts \langle /mml:mmultiscripts \langle /mml:mrow \rangle \langle /mml:math \rangle .$	2.9	15
18	Revisiting the Level Scheme of the Proton Emitter ^{151}Lu . , 2015, , .		0

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19	Spectroscopy of ^{201}Po including the observation of a shears band and the ^{201}Po α -decay. <i>Physical Review Letters</i> , 2015, 115, 082501.	2.9	15
20	First observation of superdeformed states in ^{191}Bi . <i>European Physical Journal A</i> , 2015, 51, 1.	2.5	7
21	Spectroscopy of Very Heavy Elements at and Beyond the Limits. <i>Physical Review Letters</i> , 2015, 115, 082501.		0
22	Investigation into the Effects of Deformation on Proton Emission Rates via Lifetime Measurements. <i>Physical Review Letters</i> , 2015, 115, 082501.		0
23	Experimental study of ^{209}Bi α -decay. <i>Physical Review Letters</i> , 2014, 112, 092501.	2.9	13
24	Blurring the Boundaries: Decays of Multiparticle Isomers at the Proton Drip Line. <i>Physical Review Letters</i> , 2014, 112, 092501.	7.8	30
25	\hat{I}^2 -delayed fission of $^{186,188}\text{Bi}$ isotopes. <i>Physical Review C</i> , 2013, 87, .	2.9	13
26	Spectroscopy of the proton drip-line nucleus ^{203}Fr . <i>Physical Review C</i> , 2013, 87, .	2.9	28
27	\hat{I}^{\pm} -decay studies of the francium isotopes ^{198}Fr and ^{199}Fr . <i>Physical Review C</i> , 2013, 87, .	2.9	29
28	IN-BEAM \hat{I}^3 -RAY SPECTROSCOPY ABOVE THE HIGH-SPIN ISOMERIC STATE IN ^{155}Lu . <i>Physical Review Letters</i> , 2013, 111, 082501.		0
29	A NEW PLUNGER DEVICE FOR INVESTIGATING THE EFFECTS OF DEFORMATION ON PROTON EMISSION RATES VIA LIFETIME MEASUREMENTS. <i>Physical Review Letters</i> , 2013, 111, 082501.		0
30	EVOLUTION OF NUCLEAR STRUCTURE IN NEUTRON-DEFICIENT Pb ISOTOPES. <i>Physical Review Letters</i> , 2013, 111, 082501.		0
31	Recoil-decay tagging study of ^{205}Fr . <i>Physical Review C</i> , 2012, 85, .	2.9	21
32	The reaction $^{48}\text{Ca} + ^{248}\text{Cm} \rightarrow ^{296}\text{116}^*$ studied at the GSI-SHIP. <i>European Physical Journal A</i> , 2012, 48, 1.	2.5	179
33	Determination of \hat{I}^{\pm} -decay branching ratios for $^{178,179}\text{Hg}$. <i>European Physical Journal A</i> , 2012, 48, 1.	2.5	5
34	Decay study of ^{246}Fm at SHIP. <i>European Physical Journal A</i> , 2011, 47, 1.	2.5	13
35	A Recoil-Beta Tagging Study of ^{66}As . <i>Physical Review Letters</i> , 2011, 106, 082501.		0
36	Probing the Collective Degrees of Freedom at the Proton Drip Line in the Extremely Neutron Deficient ^{172}Hg . <i>Physical Review Letters</i> , 2011, 106, 082501.		0

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37	Lifetime measurement in the proton-unbound nucleus [^{sup 109} l.], 2011, , .		3
38	The influence of quasineutron configurations on [^{sup 161} Ta and nearby odd-A nuclei], 2011, , .		0
39	High- K four-quasiparticle states in Gd . <i>Physical Review C</i> , 2011, 83, .	2.9	7
40	Investigation of [^{sup 246} Fm : in-beam spectroscopy at the limits.], 2011, , .		0
41	Nuclear Structure at the Extremes; In-beam $\hat{1}^3$ -ray Spectroscopy of [^{sup 180} Pb.], 2011, , .		0
42	Studies of neutron-deficient mendeleevium isotopes at SHIP. <i>European Physical Journal A</i> , 2010, 43, 35.	2.5	39
43	Decay studies of K isomers in ²⁵⁴ No. <i>European Physical Journal A</i> , 2010, 43, 55.	2.5	76
44	Prompt and delayed spectroscopy of At199. <i>Physical Review C</i> , 2010, 82, .	2.9	17
45	Spectroscopy of Ho using recoil isomer tagging. <i>Physical Review C</i> , 2010, 81, .	2.9	9
46	K Isomer in [^{sup 252} No.], 2010, , .		0
47	Lifetime Measurements and Coulomb Excitation of Light Hg Nuclei. , 2009, , .		4
48	Collectivity of Po at low spin. <i>Physical Review C</i> , 2009, 80, .	2.9	15
49	First observation of excited states in Hg .	2.9	14
50	First observation of excited states in Hg . <i>Physical Review C</i> , 2009, 79, .	2.9	15
51	Lifetime measurement in ¹⁹⁵ Po. <i>European Physical Journal A</i> , 2009, 39, 291-294.	2.5	5
52	Decay properties of neutron-deficient isotopes of elements from Z = 101 to Z = 108. <i>European Physical Journal A</i> , 2009, 41, 145-153.	2.5	53
53	Structure of rotational bands in ²⁵³ No. <i>European Physical Journal A</i> , 2009, 42, 333.	2.5	27
54	Decay studies of neutron-deficient lawrencium isotopes. <i>European Physical Journal A</i> , 2008, 38, 219-226.	2.5	28

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55	High-Kstructure inFm250and the deformed shell gaps atN=152andZ=100. Physical Review C, 2008, 78, .	2.9	65
56	Probing collectivity in the vicinity of neutron deficient Pb nuclei. AIP Conference Proceedings, 2008, , .	0.4	0
57	Evidence for a strongly-coupled band in very neutron-deficient odd-mass nucleus [¹⁸⁵ Pb. AIP Conference Proceedings, 2008, , .	0.4	0
58	Spectroscopy of Very Heavy Elements. AIP Conference Proceedings, 2008, , .	0.4	0
59	Confirmation Of Super Heavy Element Production In [⁴⁸ Ca Induced Fusion Reactions A Handshake Of Physics And Chemistry For Element 112. AIP Conference Proceedings, 2008, , .	0.4	0
60	Decays of New Nuclides and Isomers Beyond the Proton Drip Line—The Influence of Neutron Configurations. , 2008, , .		0
61	Spectroscopy of odd-proton nuclei in the region of [²⁵⁴ No. AIP Conference Proceedings, 2008, , .	0.4	0
62	Spectroscopy of the neutron-deficient isobars [¹⁶³ Re and [¹⁶³ W using tagging techniques. , 2008, , .		1
63	Isomer Tagging with a Dual Multi-Wire Proportional Counter & a Differential Plunger.. AIP Conference Proceedings, 2008, , .	0.4	2
64	Decay of α - γ - β - β isomer in ¹¹³ Pm75. Physical Review C, 2008, 78, .	2.9	11
65	Evidence for enhanced collectivity in Te-I-Xe nuclei near the N=82=Z=50 double shell closure. AIP Conference Proceedings, 2007, , .	0.4	0
66	Discovery of the proton emitting nucleus [¹⁵⁹ Re. AIP Conference Proceedings, 2007, , .	0.4	0
67	Investigation of nuclear collectivity in the neutron mid-shell nucleusPb186. Physical Review C, 2007, 75, .	2.9	33
68	β^{\pm} decay studies of the nuclidesU218andU219. Physical Review C, 2007, 75, .	2.9	75
69	The reaction $^{48}\text{Ca} + ^{238}\text{U} \rightarrow ^{286}\text{112}^*$ studied at the GSI-SHIP. European Physical Journal A, 2007, 32, 251-260.	2.5	256
70	In-beam gamma-ray spectroscopy of 190, 197Po. European Physical Journal A, 2007, 34, 275-281.	2.5	13
71	Collectivity in neutron-deficient Pb and Po nuclei. European Physical Journal: Special Topics, 2007, 150, 121-122.	2.6	0
72	Recoil-fission tagging of the transfermium nucleus ²⁵² No. European Physical Journal A, 2006, 28, 301-306.	2.5	13

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73	Alpha-gamma decay studies of ^{255}No . European Physical Journal A, 2006, 29, 165-173.	2.5	38
74	Spectroscopy and single-particle structure of the odd- Z heavy elements ^{255}Lr , ^{251}Md and ^{247}Es . European Physical Journal A, 2006, 30, 397-411.	2.5	87
75	Alpha-gamma decay studies of ^{255}Rf , ^{251}No and ^{247}Fm . European Physical Journal A, 2006, 30, 561-569.	2.5	54
76	Advances Toward and Beyond the Proton Drip line with Recoil-Isomer Tagging. AIP Conference Proceedings, 2006, , .	0.4	0
77	In-beam spectroscopy of ^{254}No . AIP Conference Proceedings, 2006, , .	0.4	0
78	First Identification of $\hat{1}^3$ -rays in ^{106}Te Using Recoil Decay Tagging Technique. AIP Conference Proceedings, 2006, , .	0.4	0
79	Probing the shapes of ^{186}Pb . AIP Conference Proceedings, 2006, , .	0.4	1
80	Probe of Triple Shape Coexistence In Neutron Deficient Polonium Nuclei. AIP Conference Proceedings, 2006, , .	0.4	0
81	Prolate structures in ^{189}Po and ^{185}Pb . European Physical Journal A, 2005, 24, 57-62.	2.5	18
82	Evidence for non-yrast states in ^{254}No . European Physical Journal A, 2005, 26, 227-232.	2.5	40
83	Energy systematics of low-lying Nilsson levels in odd-mass einsteinium isotopes. European Physical Journal A, 2005, 26, 233-239.	2.5	60
84	In-beam gamma-ray spectroscopy of ^{254}No . European Physical Journal A, 2005, 25, 605-607.	2.5	8
85	RDDS lifetime measurement with JUROGAM + RITU. European Physical Journal A, 2005, 25, 441-442.	2.5	11
86	In-beam and decay spectroscopy of transfermium elements. European Physical Journal A, 2005, 25, 599-604.	2.5	19
87	Probing the three shapes in ^{186}Pb using in-beam $\hat{1}^3$ -ray spectroscopy. European Physical Journal A, 2005, 25, 449-450.	2.5	2
88	Decay studies of neutron-deficient odd-mass At and Bi isotopes. European Physical Journal A, 2005, 25, 181-182.	2.5	17
89	Alpha-decay study of ^{218}U ; a search for the sub-shell closure at $Z = 92$. European Physical Journal A, 2005, 25, 183-184.	2.5	19
90	Heavy Element Spectroscopy At JYFL. AIP Conference Proceedings, 2005, , .	0.4	15

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91	Evidence for oblate structure in Pb186. Physical Review C, 2005, 72, .	2.9	21
92	$\hat{I}\pm$ decay studies of very neutron-deficient francium and radium isotopes. Physical Review C, 2005, 71, .	2.9	62
93	SPECTROSCOPY OF THE ODD TRANSFERMIUM 251MD AND 255LR NUCLEI USING \hat{I}^3 , ELECTRON AND $\hat{I}\pm$ SPECTROSCOPY., 2005, , .		1
94	First identification of \hat{I}^3 -ray transitions in Te107. Physical Review C, 2004, 70, .	2.9	16
95	$\hat{I}\pm$ decay and recoil decay tagging studies of Tl183. Physical Review C, 2004, 70, .	2.9	18
96	Feature Article: Developments in Spectroscopic Studies of Deformed Superheavy Nuclei. Nuclear Physics News, 2004, 14, 23-27.	0.4	1
97	THE NUCLEAR STRUCTURE OF HEAVY-ACTINIDE AND TRANS ACTINIDE NUCLEI. Annual Review of Nuclear and Particle Science, 2004, 54, 175-215.	10.2	68
98	Alpha-gamma decay studies of 251, 253No and their daughter products 247, 249Fm. European Physical Journal A, 2004, 22, 417-427.	2.5	70
99	First observation of gamma-rays from the proton emitter 171Au. European Physical Journal A, 2003, 16, 489-494.	2.5	21
100	Spectroscopy of the neutron-deficient nuclide 171Pt. European Physical Journal A, 2003, 17, 1-5.	2.5	7
101	Investigations into the alpha-decay of 195At. European Physical Journal A, 2003, 16, 457-467.	2.5	54
102	Alpha-decay studies of the new isotopes 191At and 193At. European Physical Journal A, 2003, 17, 537-558.	2.5	62
103	In-beam spectroscopy at the RITU gas-filled recoil separator. European Physical Journal A, 2003, 20, 87-92.	2.5	8
104	In-beam \hat{I}^3 -ray spectroscopy of 190Po: First observation of a low-lying prolate band in Po isotopes. European Physical Journal A, 2003, 17, 167-171.	2.5	35
105	α -decay spectroscopy of light odd-odd Bi isotopes - I: 188,190Bi nuclei. European Physical Journal A, 2003, 18, 39-54.	2.5	29
106	Shape isomerism and spectroscopy of Hg177. Physical Review C, 2003, 68, .	2.9	21
107	Fine structure in the $\hat{I}\pm$ decay of Po188,192. Physical Review C, 2003, 68, .	2.9	54
108	Strongly coupled bands in the neutron-deficient nucleus 167Re. Physical Review C, 2003, 68, .	2.9	18

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109	NUCLEAR STRUCTURE STUDIES OF EXOTIC NUCLEI USING AN ARRAY OF BAF ₂ DETECTORS. , 2003, , .		0
110	Proton decay studies at the gas-filled separator RITU. AIP Conference Proceedings, 2003, , .	0.4	0
111	Low-lying structure of light radon isotopes. Physical Review C, 2002, 66, .	2.9	22
112	New results on elements 111 and 112. European Physical Journal A, 2002, 14, 147-157.	2.5	269
113	In-beam studies of very neutron-deficient heavy nuclei. European Physical Journal A, 2002, 15, 189-193.	2.5	18
114	In-beam spectroscopy of ²⁵³ , ²⁵⁴ No. European Physical Journal A, 2002, 15, 205-208.	2.5	24
115	Î±decay studies of the nuclides ¹⁹⁵ Rn and ¹⁹⁶ Rn. Physical Review C, 2001, 63, .	2.9	40
116	Decay properties of neutron-deficient isotopes ²⁵⁶ , ²⁵⁷ Db, ²⁵⁵ Rf, ²⁵² , ²⁵³ Lr. European Physical Journal A, 2001, 12, 57-67.	2.5	127
117	New microsecond isomers in ¹⁸⁹ , ¹⁹⁰ Bi. European Physical Journal A, 2001, 10, 129-133.	2.5	13
118	First observation of excited states in the neutron deficient N=86 isotones ¹⁵⁹ Ta and ¹⁶⁰ W. Physical Review C, 2001, 63, .	2.9	24
119	Shape coexistence in ¹⁸³ Tl. Physical Review C, 2001, 64, .	2.9	15
120	TOWARDS PROLATE DEFORMED GROUND STATE IN POLONIUM NUCLEI: IN-BEAM AND ALPHA-DECAY STUDIES OF ¹⁹⁰ , ¹⁹¹ Po. , 2001, , .		0
121	THE DISCOVERY OF A PROLATE-OBLATE-SPHERICAL SHAPE TRIPLET OF SPIN 0 ⁺ STATES IN THE ATOMIC NUCLEUS ¹⁸⁶ Pb. , 2001, , .		0
122	A triplet of differently shaped spin-zero states in the atomic nucleus ¹⁸⁶ Pb. Nature, 2000, 405, 430-433.	27.8	367
123	Microsecond isomers in ¹⁸⁷ Tl and ¹⁸⁸ Pb. European Physical Journal A, 2000, 7, 41-44.	2.5	24
124	Identification of the 13/2 ⁺ isomer in ¹⁹⁹ At. European Physical Journal A, 2000, 9, 307-308.	2.5	17
125	Decay properties of neutron-deficient nuclei in the region Z = 86â€“92. European Physical Journal A, 2000, 8, 521-535.	2.5	92
126	Experimental identification of intruder bandheads in odd-mass [¹⁸⁷ â€“ ¹⁹³]Pb. , 1999, , .		1

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127	The onset of deformation in neutron-deficient At nuclei. , 1999, , .		0
128	Study of shape coexistence in the very neutron-deficient nucleus [¹⁷⁶ Hg. , 1999, , .		0
129	Excited states in the heavy nuclide [²⁵⁴ No. , 1999, , .		0
130	Identification of excited states in [²²⁶ U: Evidence for octupole deformation. , 1999, , .		0
131	First observation of excited states in ¹⁹⁷ At: the onset of deformation in neutron-deficient astatine nuclei. European Physical Journal A, 1999, 5, 43-47.	2.5	22
132	In-beam study of ²⁵⁴ No. European Physical Journal A, 1999, 6, 63-69.	2.5	112
133	Fine Structure in the alpha decays of ²²⁶ U and ²³⁰ Pu. European Physical Journal A, 1999, 6, 269-273.	2.5	10
134	Gamma-ray spectroscopy of ¹⁹² At- ¹⁹⁵ Po. European Physical Journal A, 1999, 6, 289-302.	2.5	70
135	Alpha decay of the new isotopes ^{188,189} Po. European Physical Journal A, 1999, 6, 381-385.	2.5	45
136	First observation of excited states in ¹⁸⁴ Pb: spectroscopy beyond the neutron mid-shell. European Physical Journal A, 1998, 3, 17-20.	2.5	50
137	Nuclear structure information from recoil decay tagging experiments. , 1998, , .		0
138	Fine structure in. , 1998, , .		0
139	Fine structure in the alpha-decay of the neutron-deficient. , 1998, , .		0
140	Alpha-decay characteristics of neutron-deficient ¹⁹⁰ Po, ¹⁸⁹ Bi and ¹⁸⁶ Pb isotopes. Zeitschrift für Physik A, 1997, 358, 63-68.	0.9	13
141	Alpha decay of the new isotope ¹⁷⁴ Hg. Zeitschrift für Physik A, 1997, 358, 375-376.	0.9	21
142	Excitation function for the production of ²⁶⁵ 108 and ²⁶⁶ 109. Zeitschrift für Physik A, 1997, 358, 377-378.	0.9	51
143	Probing shapes of very neutron deficient ^{Z=82} nuclei using the recoil-decay tagging method. Acta Physica Hungarica A Heavy Ion Physics, 1997, 6, 169-175.	0.4	2
144	Alpha decay properties of ²⁰⁰ At- ²⁰² Fr. Zeitschrift für Physik A, 1996, 354, 1-2.	0.9	30

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145	Alpha decay of the new isotope ^{197}Rn . Zeitschrift für Physik A, 1996, 354, 9-10.	0.9	19
146	Alpha decay studies of neutron-deficient radium isotopes. Zeitschrift für Physik A, 1996, 355, 157-164.	0.9	28
147	Identification of new mendelevium and einsteinium isotopes in bombardments of ^{209}Bi with ^{40}Ar . Zeitschrift für Physik A, 1996, 356, 11-12.	0.9	27
148	The new element 112. Zeitschrift für Physik A, 1996, 354, 229-230.	0.9	128
149	Alpha decay studies of neutron-deficient radium isotopes. Zeitschrift für Physik A, 1996, 355, 157-164.	0.9	12