Maria Isabel Lopes

List of Publications by Year
in descending order

166 papers	7,843 citations	76326 40 h-index	51608 86 g-index
169 all docs	169 docs citations	169 times ranked	8500 citing authors

#	Article	IF	Citations
1	A machine learning-based methodology for pulse classification inÂdual-phase xenon time projection chambers. European Physical Journal C, 2022, 82, .	3.9	0
2	Projected sensitivity of the LUX-ZEPLIN experiment to the two-neutrino and neutrinoless double <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> decays of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Xe</mml:mi><mml:mprescripts /><mml:none /><mml:mn>134</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2021, 104, .	2.9	5
3	Measurement of the gamma ray background in the Davis cavern at the Sanford Underground Research Facility. Astroparticle Physics, 2020, 116, 102391.	4.3	12
4	First direct detection constraint on mirror dark matter kinetic mixing using LUX 2013 data. Physical Review D, 2020, 101, .	4.7	9
5	Extending light WIMP searches to single scintillation photons in LUX. Physical Review D, 2020, 101, .	4.7	18
6	The LUX-ZEPLIN (LZ) radioactivity and cleanliness control programs. European Physical Journal C, 2020, 80, 1.	3.9	38
7	Search for two neutrino double electron capture of 124 Xe and 126 Xe in the full exposure of the LUX detector. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 105105.	3.6	1
8	Results of a Search for Sub-GeV Dark Matter Using 2013 LUX Data. Physical Review Letters, 2019, 122, 131301.	7.8	119
9	Chromatographic separation of radioactive noble gases from xenon. Astroparticle Physics, 2018, 97, 80-87.	4.3	20
10	LUX trigger efficiency. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 908, 401-410.	1.6	2
11	Position reconstruction in LUX. Journal of Instrumentation, 2018, 13, P02001-P02001.	1.2	25
12	Liquid xenon scintillation measurements and pulse shape discrimination in the LUX dark matter detector. Physical Review D, 2018, 97, .	4.7	19
13	Calibration, event reconstruction, data analysis, and limit calculation for the LUX dark matter experiment. Physical Review D, 2018, 97, .	4.7	29
14	Results from a Search for Dark Matter in the Complete LUX Exposure. Physical Review Letters, 2017, 118, 021303.	7.8	1,081
15	Identification of radiopure titanium for the LZ dark matter experiment and future rare event searches. Astroparticle Physics, 2017, 96, 1-10.	4.3	24
16	Signal yields, energy resolution, and recombination fluctuations in liquid xenon. Physical Review D, 2017, 95, .	4.7	39
17	3D modeling of electric fields in the LUX detector. Journal of Instrumentation, 2017, 12, P11022-P11022.	1.2	21
18	First Searches for Axions and Axionlike Particles with the LUX Experiment. Physical Review Letters, 2017, 118, 261301.	7.8	108

#	Article	IF	Citations
19	Limits on Spin-Dependent WIMP-Nucleon Cross Section Obtained from the Complete LUX Exposure. Physical Review Letters, 2017, 118, 251302.	7.8	175
20	Measurement of the absolute reflectance of polytetrafluoroethylene (PTFE) immersed in liquid xenon. Journal of Instrumentation, 2017, 12, P01017-P01017.	1.2	19
21	First Results of the LUX Dark Matter Experiment. Nuclear and Particle Physics Proceedings, 2016, 273-275, 309-313.	0.5	3
22	Tritium calibration of the LUX dark matter experiment. Physical Review D, 2016, 93, .	4.7	70
23	Improved Limits on Scattering of Weakly Interacting Massive Particles from Reanalysis of 2013 LUX Data. Physical Review Letters, 2016, 116, 161301.	7.8	333
24	Results on the Spin-Dependent Scattering of Weakly Interacting Massive Particles on Nucleons from the Run 3 Data of the LUX Experiment. Physical Review Letters, 2016, 116, 161302.	7.8	146
25	FPGA-based trigger system for the LUX dark matter experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 818, 57-67.	1.6	12
26	The LUX Experiment. Physics Procedia, 2015, 61, 74-76.	1.2	0
27	Radon-related Backgrounds in the LUX Dark Matter Search. Physics Procedia, 2015, 61, 658-665.	1.2	9
28	Results from the LUX dark matter experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 784, 504-507.	1.6	8
29	Radiogenic and muon-induced backgrounds in the LUX dark matter detector. Astroparticle Physics, 2015, 62, 33-46.	4.3	71
30	First Results from the LUX Dark Matter Experiment at the Sanford Underground Research Facility. Physical Review Letters, 2014, 112, 091303.	7.8	1,248
31	Measurement and simulation of the muon-induced neutron yield in lead. Astroparticle Physics, 2013, 47, 67-76.	4.3	31
32	The Large Underground Xenon (LUX) experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 704, 111-126.	1.6	239
33	Measurement of the neutron-induced fission cross-section of 241Am at the time-of-flight facility n_TOF. European Physical Journal A, 2013, 49, 1.	2.5	9
34	An ultra-low background PMT for liquid xenon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 703, 1-6.	1.6	36
35	Technical results from the surface run of the LUX dark matter experiment. Astroparticle Physics, 2013, 45, 34-43.	4.3	45
36	A measurement of the muon-induced neutron yield in lead at a depth of 2850 m water equivalent. , 2013, , .		0

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37	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>93</mml:mn></mml:msup></mml:math>Zr(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>93</mml:mn></mml:msup></mml:math>Zr(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"	2.9	39
38	Measurement of resolved resonances of232Th(n,Î³) at the n_TOF facility at CERN. Physical Review C, 2012, 85, .	2.9	23
39	Publisher's Note: Measurement of resolved resonances of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>232</mml:mn></mml:msup></mml:math>Th(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"	2.9	3
40	Measurement and resonance analysis of the237Np neutron capture cross section. Physical Review C, 2012, 85, .	2.9	26
41	Neutron-induced fission cross section measurement of²³³U,²⁴¹Am and²⁴³Am in the energy range 0.5 MeV â©½E_nâ©½ 20 MeV at n_TOF at CERN. Physica Scripta, 2012, T150, 014005.	2.5	2
42	Performance data from the ZEPLIN-III second science run. Journal of Instrumentation, 2012, 7, C03044-C03044.	1.2	4
43	Position Reconstruction in a Dual Phase Xenon Scintillation Detector. IEEE Transactions on Nuclear Science, 2012, 59, 3286-3293.	2.0	47
44	LUX Cryogenics and Circulation. Physics Procedia, 2012, 37, 1122-1130.	1.2	3
45	Resonance neutron-capture cross sections of stable magnesium isotopes and their astrophysical implications. Physical Review C, 2012, 85, .	2.9	55
46	Quenching factor for low-energy nuclear recoils in a plastic scintillator. Physical Review C, 2012, 85, .	2.9	21
47	Radioactivity backgrounds in ZEPLINâ€“III. Astroparticle Physics, 2012, 35, 495-502.	4.3	25
48	WIMP-nucleon cross-section results from the second science run of ZEPLIN-III. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 14-20.	4.1	124
49	ZE3RA: the ZEPLIN-III Reduction and Analysis package. Journal of Instrumentation, 2011, 6, P11004-P11004.	1.2	11
50	Astrophysics at n_TOF Facility at CERN. Journal of Physics: Conference Series, 2011, 312, 042024.	0.4	0
51	Nuclear recoil scintillation and ionisation yields in liquid xenon from ZEPLIN-III data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 471-476.	4.1	45
52	Single electron emission in two-phase xenon with application to the detection of coherent neutrino-nucleus scattering. Journal of High Energy Physics, 2011, 2011, 1.	4.7	42
53	Performance of the veto detector incorporated into the ZEPLIN-III experiment. Astroparticle Physics, 2011, 35, 76-86.	4.3	19
54	The [sup 237]Np(n,f) cross section at the CERN n-TOF facility. , 2011, , .		1

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55	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>96</mml:mn></mml:msup></mml:math>Zr(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (xmlns:mml	2.9	17
56	R Position reconstruction in a dual phase xenon scintillation detector. , 2011, , .		1
57	Neutron capture on<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>94</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>: Resonance parameters and Maxwellian-averaged cross sections. Physical Review C, 2011, 84, .	2.9	24
58	Neutron-induced fission cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow /><mml:mrow><mml:mi mathvariant="normal">nat</mml:mi></mml:mrow></mml:msup></mml:mrow></mml:math>Pb and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Bi</mml:mi><mml:mprescripts />	2.9	36
59	Measurement of the236U(n,f) cross section from 170 meV to 2 MeV at the CERNn_TOFfacility. Physical Review C, 2011, 84, .	2.9	14
60	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Au</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>197</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10	2.9	68
61	Study of Photon Strength Function of Actinides: the Case of 235U, 238Np and 241Pu. Journal of the Korean Physical Society, 2011, 59, 1510-1513.	0.7	9
62	Neutron Capture Measuremetns on Minor Actinides at the n_TOF Facility at CERN: Past, Present and Future. Journal of the Korean Physical Society, 2011, 59, 1809-1812.	0.7	2
63	237Np(n,f) Cross Section: New Data and Present Status. Journal of the Korean Physical Society, 2011, 59, 1908-1911.	0.7	2
64	Fission Cross-section Measurements of 233U, 245Cm and 241;243Am at CERN n_TOF Facility. Journal of the Korean Physical Society, 2011, 59, 1912-1915.	0.7	3
65	High-energy Neutron-induced Fission Cross Sections of Natural Lead and Bismuth-209. Journal of the Korean Physical Society, 2011, 59, 1904-1907.	0.7	0
66	Results from the first science run of ZEPLIN-III. Journal of Physics: Conference Series, 2010, 203, 012025.	0.4	1
67	Calibration of photomultiplier arrays. Astroparticle Physics, 2010, 33, 13-18.	4.3	7
68	The ZEPLIN-III anti-coincidence veto detector. Astroparticle Physics, 2010, 34, 151-163.	4.3	23
69	A model of the reflection distribution in the vacuum ultra violet region. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 619, 59-62.	1.6	11
70	Limits on inelastic dark matter from ZEPLIN-III. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 692, 180-183.	4.1	40
71	Neutron cross-sections for next generation reactors: New data from n_TOF. Applied Radiation and Isotopes, 2010, 68, 643-646.	1.5	7
72	Neutron physics of the Re/Os clock. III. Resonance analyses and stellar (<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 87 Td (xmlns:mml cross sections of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Os</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>186</mml:mn><mml:mo>,</mml:mo><mml:mn>187</mml:mn><mml	2.9	36

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73	display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Au</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>197</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 0 0 7	2.9	55
74	The<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>92</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10	2.9	33
75	cross sections of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Os</mml:mi><mml:mprescripts /><mml:none />	2.9	28
76	Reflectance of polytetrafluoroethylene for xenon scintillation light. Journal of Applied Physics, 2010, 107, 064902.	2.5	34
77	ASTROPHYSICS AT nì±TOF FACILITY. , 2010, , .		0
78	Study of Neutron-Induced Fission Cross Sections of U, Am, and Cm at nì±TOF. , 2010, , .		0
79	Neutron-induced fission cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">U</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>234</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Np</mml:mi><mml:mprescripts /><mml:none />	2.9	72
80	Limits on the Spin-Dependent WIMP-Nucleon Cross Sections from the First Science Run of the ZEPLIN-III Experiment. Physical Review Letters, 2009, 103, 151302.	7.8	48
81	High-accuracyU233(n,f)cross-section measurement at the white-neutron source n_TOF from near-thermal to1MeV neutron energy. Physical Review C, 2009, 80, .	2.9	30
82	ZEPLIN-II limits on WIMP-nucelon interactions. , 2009, , .		0
83	The n_TOF Total Absorption Calorimeter for neutron capture measurements at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, 424-433.	1.6	80
84	GEM operation in double-phase xenon. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 598, 126-129.	1.6	14
85	Results from the first science run of the ZEPLIN-III dark matter search experiment. Physical Review D, 2009, 80, .	4.7	147
86	Measurement of single electron emission in two-phase xenon. Astroparticle Physics, 2008, 30, 54-57.	4.3	43
87	The ZEPLIN II dark matter detector: Data acquisition system and data reduction. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 587, 101-109.	1.6	5
88	Reflection of the xenon scintillation light from Polytetrafluoroethylene (PTFE). , 2008, , .		1
89	Nuclear physics for the Re/Os clock. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014015.	3.6	8
90	The measurement of the 206Pb(n, Î³) cross section and stellar implications. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014020.	3.6	11

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91	Experimental study of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>91</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math Tj ETQq1 1 0.784314 rgBT /Over	2.9	34
92	Neutron capture cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Zr</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>90</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>: Bottleneck in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:math>-process reaction flow. Physical Review C, 2008, 77, .	2.9	44
93	Measurements of neutron capture cross-sections at n_TOF. AIP Conference Proceedings, 2007, , .	0.4	0
94	Measurement of the Neutron Induced Fission Cross Section on Transuranic (TRU) Elements at the nÌ±TOF Facility at CERN. AIP Conference Proceedings, 2007, , .	0.4	0
95	Measurement of the radiative neutron capture cross section of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Pb</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>206</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>and its astrophysical implications. Physical Review C, 2007, 76, .	2.9	30
96	Measurement of the neutron capture cross section of thes-only isotopePb204from 1 eV to 440 keV. Physical Review C, 2007, 75, .	2.9	32
97	TheLa139(n,Î³) cross section: Key for the onset of thes-process. Physical Review C, 2007, 75, .	2.9	24
98	The ZEPLIN-III dark matter detector: Instrument design, manufacture and commissioning. Astroparticle Physics, 2007, 27, 46-60.	4.3	91
99	First limits on WIMP nuclear recoil signals in ZEPLIN-II: A two-phase xenon detector for dark matter detection. Astroparticle Physics, 2007, 28, 287-302.	4.3	122
100	Preliminary results on position reconstruction for ZEPLIN III. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 573, 200-203.	1.6	4
101	Operation of gas electron multipliers in pure xenon at low temperatures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 331-334.	1.6	6
102	A survey of energy loss calculations for heavy ions between 1 and 100kev. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 114-117.	1.6	21
103	Measuring the angular profile of the reflection of xenon scintillation light. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 322-325.	1.6	9
104	The ZEPLIN III Detector; Results from Surface Calibrations. Nuclear Physics, Section B, Proceedings Supplements, 2007, 173, 108-112.	0.4	1
105	Limits on spin-dependent WIMP-nucleon cross-sections from the first ZEPLIN-II data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 653, 161-166.	4.1	26
106	Neutron reactions and nuclear cosmo-chronology. Progress in Particle and Nuclear Physics, 2007, 59, 165-173.	14.4	7
107	Status and outlook of the neutron time-of-flight facility n_TOF at CERN. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 925-929.	1.4	35
108	THE ZEPLIN III DETECTOR: RESULTS FROM SURFACE CALIBRATIONS. , 2007, , .		0

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109	Editorial: Dielectric liquids. IEEE Transactions on Dielectrics and Electrical Insulation, 2006, 13, 455-455.	2.9	0
110	Scintillation efficiency of liquid xenon for nuclear recoils with the energy down to 5keV. Astroparticle Physics, 2006, 26, 58-63.	4.3	44
111	The ZEPLIN-III dark matter detector: Performance study using an end-to-end simulation tool. Astroparticle Physics, 2006, 26, 140-153.	4.3	24
112	Neutron cross section measurements at n-TOF for ADS related studies. Journal of Physics: Conference Series, 2006, 41, 352-360.	0.4	2
113	Measurement of theSm151(n,Î³) cross section from 0.6 eV to 1 MeV via the neutron time-of-flight technique at the CERN n_TOF facility. Physical Review C, 2006, 73, .	2.9	36
114	New measurement of neutron capture resonances inBi209. Physical Review C, 2006, 74, .	2.9	46
115	Neutron capture cross section ofTh232measured at the n_TOF facility at CERN in the unresolved resonance region up to 1 MeV. Physical Review C, 2006, 73, .	2.9	41
116	Resonance capture cross section ofPb207. Physical Review C, 2006, 74, .	2.9	32
117	Primary scintillation yield and ratio in liquid xenon. Radiation Physics and Chemistry, 2005, 74, 160-167.	2.8	9
118	Measurement of the 151Sm(n,Î³)152Sm cross section at n_TOF. Nuclear Physics A, 2005, 758, 533-536.	1.5	7
119	Neutron capture cross section measurements for nuclear astrophysics at CERN n_TOF. Nuclear Physics A, 2005, 758, 501-504.	1.5	7
120	Measurements of the 90,91,92,94,96Zr(n, Î³) cross-sections at n_TOF. Nuclear Physics A, 2005, 758, 573-576.	1.5	2
121	The data acquisition system of the neutron time-of-flight facility n_TOF at CERN. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 538, 692-702.	1.6	84
122	A study of cosmic ray secondaries induced by the Mir space station using AMS-01. Nuclear Instruments & Methods in Physics Research B, 2005, 234, 321-332.	1.4	2
123	Neutron Capture Cross Sections for the Re/Os Clock. AIP Conference Proceedings, 2005, , .	0.4	1
124	New Measurement of the Capture Cross Section of Bismuth and Lead Isotopes. AIP Conference Proceedings, 2005, , .	0.4	0
125	Measurements at n_TOF of the Neutron Capture Cross Section of Minor Actinides Relevant to the Nuclear Waste Transmutation. AIP Conference Proceedings, 2005, , .	0.4	3
126	New approach to the calculation of the refractive index of liquid and solid xenon. Journal of Chemical Physics, 2005, 123, 234508.	3.0	15

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127	Performance of a chamber for studying the liquid xenon response to /spl gamma/-rays and nuclear recoils. IEEE Transactions on Nuclear Science, 2005, 52, 2793-2800.	2.0	11
128	Neutron Capture Cross Section Measurement ofSm151at the CERN Neutron Time of Flight Facility (n_TOF). Physical Review Letters, 2004, 93, 161103.	7.8	65
129	Detectors for medical radioisotope imaging: demands and perspectives. Radiation Physics and Chemistry, 2004, 71, 683-692.	2.8	6
130	Measurement of the refractive index and attenuation length of liquid xenon for its scintillation light. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 516, 462-474.	1.6	43
131	Measurement of the n_TOF beam profile with a micromegas detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 524, 102-114.	1.6	54
132	Timeâ€“energy relation of the n_TOF neutron beam: energy standards revisited. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 532, 622-630.	1.6	34
133	New experimental validation of the pulse height weighting technique for capture cross-section measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 521, 454-467.	1.6	101
134	An RPC-PET prototype with high spatial resolution. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 533, 139-143.	1.6	27
135	Progress in timing Resistive Plate Chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 535, 272-276.	1.6	15
136	A low-mass neutron flux monitor for the n _TOF facility at CERN. Brazilian Journal of Physics, 2004, 34, 914-918.	1.4	1
137	Low-temperature performance of a large area avalanche photodiode. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 504, 53-57.	1.6	14
138	Perspectives for positron emission tomography with RPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 508, 88-93.	1.6	50
139	Liquid rare gas detectors: recent developments and applications. IEEE Transactions on Dielectrics and Electrical Insulation, 2003, 10, 994-1005.	2.9	11
140	Mini-strip ionization chamber for Î³-ray imaging. IEEE Transactions on Nuclear Science, 2003, 50, 122-125.	2.0	2
141	Liquid-xenon Î³-camera with ionisation readout. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 478, 435-439.	1.6	5
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