

Igor G Irastorza

List of Publications by Year in descending order

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230
papers

7,396
citations

87401

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66518

82
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all docs

232
docs citations

232
times ranked

5101
citing authors

#	ARTICLE	IF	CITATIONS
1	Thin Film (High Temperature) Superconducting Radiofrequency Cavities for the Search of Axion Dark Matter. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-5.	1.1	8
2	REST-for-Physics, a ROOT-based framework for event oriented data analysis and combined Monte Carlo response. Computer Physics Communications, 2022, 273, 108281.	3.0	10
3	Probing the axion-nucleon coupling with the next generation of axion helioscopes. European Physical Journal C, 2022, 82, 120.	1.4	12
4	Shedding squeezed light on dark matter. Nature, 2021, 590, 226-227.	13.7	1
5	Conceptual design of BabyIAXO, the intermediate stage towards the International Axion Observatory. Journal of High Energy Physics, 2021, 2021, 1.	1.6	28
6	Iridium thin-film coatings for the BabyIAXO hybrid X-ray optic. Applied Optics, 2021, 60, 6671.	0.9	5
7	First results of the CAST-RADES haloscope search for axions at $34.67 \mu\text{eV}$. Journal of High Energy Physics, 2021, 2021, 1.	1.6	43
8	Feebly-interacting particles: FIPs 2020 workshop report. European Physical Journal C, 2021, 81, 1.	1.4	130
9	Topological background discrimination in the PandaX-III neutrinoless double beta decay experiment. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 045108.	1.4	13
10	Physics beyond colliders at CERN: beyond the Standard Model working group report. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 010501.	1.4	254
11	Status of the TRES-DM experiment at the Canfranc Underground Laboratory. Journal of Physics: Conference Series, 2020, 1342, 012091.	0.3	2
12	The 3 Cavity Prototypes of RADES: An Axion Detector Using Microwave Filters at CAST. Springer Proceedings in Physics, 2020, , 45-51.	0.1	8
13	Scalable haloscopes for axion dark matter detection in the $30 \mu\text{eV}$ range with RADES. Journal of High Energy Physics, 2020, 2020, 1.	1.6	27
14	Weighing the solar axion. Physical Review D, 2019, 99, .	1.6	28
15	Status of low mass WIMP detector TRES-DM. Journal of Physics: Conference Series, 2019, 1312, 012010.	0.3	1
16	Background assessment for the TRES dark matter experiment. European Physical Journal C, 2019, 79, 1.	1.4	22
17	First results on the search for chameleons with the KWISP detector at CAST. Physics of the Dark Universe, 2019, 26, 100367.	1.8	11
18	Physics potential of the International Axion Observatory (IAXO). Journal of Cosmology and Astroparticle Physics, 2019, 2019, 047-047.	1.9	135

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19	Improved search for solar chameleons with a GridPix detector at CAST. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 032-032.	1.9	13
20	Cosmogenic production of tritium in dark matter detectors. <i>Astroparticle Physics</i> , 2018, 97, 96-105.	1.9	31
21	Micromegas for dark matter searches: CAST/IAXO & TRES-DM experiments. <i>EPJ Web of Conferences</i> , 2018, 174, 01008.	0.1	3
22	Design and commissioning of a 600 L Time Projection Chamber with Microbulk Micromegas. <i>Journal of Instrumentation</i> , 2018, 13, P06012-P06012.	0.5	12
23	High magnetic fields for fundamental physics. <i>Physics Reports</i> , 2018, 765-766, 1-39.	10.3	87
24	Axion searches with microwave filters: the RADES project. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 040-040.	1.9	71
25	New experimental approaches in the search for axion-like particles. <i>Progress in Particle and Nuclear Physics</i> , 2018, 102, 89-159.	5.6	505
26	New CAST limit on the axion-photon interaction. <i>Nature Physics</i> , 2017, 13, 584-590.	6.5	597
27	PandaX-III: Searching for neutrinoless double beta decay with high pressure ¹³⁶ Xe gas time projection chambers. <i>Science China: Physics, Mechanics and Astronomy</i> , 2017, 60, 1.	2.0	86
28	Stellar recipes for axion hunters. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 010-010.	1.9	152
29	The potential of discrimination methods in a high pressure xenon TPC for the search of the neutrinoless double-beta decay of Xe-136. <i>Journal of Physics: Conference Series</i> , 2017, 888, 012078.	0.3	0
30	The BiPo-3 detector for the measurement of ultra low natural radioactivities of thin materials. <i>Journal of Instrumentation</i> , 2017, 12, P06002-P06002.	0.5	17
31	Gaseous time projection chambers for rare event detection: results from the T-REX project. II. Dark matter. <i>Journal of Cosmology and Astroparticle Physics</i> , 2016, 2016, 034-034.	1.9	21
32	TRES-DM: a low-background Micromegas-based TPC for low-mass WIMP detection. <i>European Physical Journal C</i> , 2016, 76, 529.	1.4	30
33	An update on the Axion Helioscopes front: current activities at CAST and the IAXO project. <i>Nuclear and Particle Physics Proceedings</i> , 2016, 273-275, 244-249.	0.2	4
34	Results of the material screening program of the NEXT experiment. <i>Nuclear and Particle Physics Proceedings</i> , 2016, 273-275, 2666-2668.	0.2	4
35	Readout technologies for directional WIMP Dark Matter detection. <i>Physics Reports</i> , 2016, 662, 1-46.	10.3	68
36	TRES-DM: a low background Micromegas-based TPC for low-mass WIMP detection. <i>Journal of Physics: Conference Series</i> , 2016, 718, 042026.	0.3	1

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37	First proof of topological signature in the high pressure xenon gas TPC with electroluminescence amplification for the NEXT experiment. Journal of High Energy Physics, 2016, 2016, 1.	1.6	40
38	Gaseous time projection chambers for rare event detection: results from the T-REX project. I. Double beta decay. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 033-033.	1.9	24
39	Imaging in (high pressure) Micromegas TPC detectors. Journal of Instrumentation, 2016, 11, C11011-C11011.	0.5	0
40	New solar axion search using the CERN Axion Solar Telescope with $\langle \text{mml:mrow} \langle \text{mml:mmultiscripts} \langle \text{mml:mrow} \langle \text{mml:mi} \text{He} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mprescripts} / \rangle \langle \text{mml:none} / \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \text{4} \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{filling.}$	1.6	45
41	Search for chameleons with CAST. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 172-180.	1.5	28
42	Exploring 0.1–10 eV axions with a new helioscope concept. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 012-012.	1.9	13
43	Radon and material radiopurity assessment for the NEXT double beta decay experiment. AIP Conference Proceedings, 2015, , .	0.3	10
44	Modelling the behaviour of microbulk Micromegas in xenon/trimethylamine gas. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 799, 137-146.	0.7	11
45	The Next Generation of Axion Helioscopes: The International Axion Observatory (IAXO). Physics Procedia, 2015, 61, 193-200.	1.2	11
46	A Micromegas-based low-background x-ray detector coupled to a slumped-glass telescope for axion research. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 008-008.	1.9	22
47	Low Background Micromegas in CAST. Journal of Physics: Conference Series, 2015, 650, 012008.	0.3	2
48	The IAXO Helioscope. Journal of Physics: Conference Series, 2015, 650, 012009.	0.3	2
49	Lessons from the operation of the $\text{â€}^{\text{Penning-Fluorescent}}^{\text{â€}^{\text{TM}}}$ TPC and prospects. Journal of Physics: Conference Series, 2015, 650, 012013.	0.3	3
50	TREX-DM: a low background Micromegas-based TPC for low mass WIMP detection. Journal of Physics: Conference Series, 2015, 650, 012005.	0.3	3
51	PMT calibration of a scintillation detector using primary scintillation. Journal of Instrumentation, 2015, 10, C02039-C02039.	0.5	4
52	Ionization and scintillation of nuclear recoils in gaseous xenon. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 793, 62-74.	0.7	12
53	Experimental Searches for the Axion and Axion-Like Particles. Annual Review of Nuclear and Particle Science, 2015, 65, 485-514.	3.5	486
54	An improved measurement of electron-ion recombination in high-pressure xenon gas. Journal of Instrumentation, 2015, 10, P03025-P03025.	0.5	9

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55	Radiopurity assessment of the tracking readout for the NEXT double beta decay experiment. Journal of Instrumentation, 2015, 10, P05006-P05006.	0.5	20
56	Accurate \hat{I}^3 and MeV-electron track reconstruction with an ultra-low diffusion Xenon/TMA TPC at 10 atm. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 804, 8-24.	0.7	29
57	Lowering the background level and the energy threshold of Micromegas x-ray detectors for axion searches. , 2015, , .		0
58	Characterization of a Spherical Proportional Counter in argon-based mixtures. , 2015, , .		0
59	Present Status and Future Perspectives of the NEXT Experiment. Advances in High Energy Physics, 2014, 2014, 1-22.	0.5	46
60	Description and commissioning of NEXT-MM prototype: first results from operation in a Xenon-Trimethylamine gas mixture. Journal of Instrumentation, 2014, 9, P03010-P03010.	0.5	13
61	Characterisation of NEXT-DEMO using xenon $K\hat{I}\pm$ X-rays. Journal of Instrumentation, 2014, 9, P10007-P10007.	0.5	22
62	Search for Solar Axions by the CERN Axion Solar Telescope with $\text{He}^{2.9}$ $\text{Buffer Gas: Closing the Hot Dark Matter Gap. Physical Review Letters, 2014, 112, 091302.}$	2.9	92
63	Wikisensors: A wiki from students for students. , 2014, , .		0
64	Low background x-ray detection with Micromegas for axion research. Journal of Instrumentation, 2014, 9, P01001-P01001.	0.5	28
65	Conceptual design of the International Axion Observatory (IAXO). Journal of Instrumentation, 2014, 9, T05002-T05002.	0.5	201
66	Towards smaller gap microbulks. Journal of Instrumentation, 2014, 9, C04013-C04013.	0.5	7
67	Characterization of a medium size Xe/TMA TPC instrumented with microbulk Micromegas, using low-energy \hat{I}^3 -rays. Journal of Instrumentation, 2014, 9, C04015-C04015.	0.5	17
68	The quest for axions and other new light particles. Annalen Der Physik, 2013, 525, A93.	0.9	42
69	Ionization and scintillation response of high-pressure xenon gas to alpha particles. Journal of Instrumentation, 2013, 8, P05025-P05025.	0.5	21
70	Near-intrinsic energy resolution for $30\hat{e}^662\text{keV}$ gamma rays in a high pressure xenon electroluminescent TPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 708, 101-114.	0.7	52
71	Radiopurity control in the NEXT-100 double beta decay experiment: procedures and initial measurements. Journal of Instrumentation, 2013, 8, T01002-T01002.	0.5	22
72	MICROME GAS IN THE RARE EVENT SEARCHES FIELD. Modern Physics Letters A, 2013, 28, 1340026.	0.5	2

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73	Initial results of NEXT-DEMO, a large-scale prototype of the NEXT-100 experiment. Journal of Instrumentation, 2013, 8, P04002-P04002.	0.5	35
74	Design and characterization of the SiPM tracking system of NEXT-DEMO, a demonstrator prototype of the NEXT-100 experiment. Journal of Instrumentation, 2013, 8, T05002-T05002.	0.5	7
75	Operation and first results of the NEXT-DEMO prototype using a silicon photomultiplier tracking array. Journal of Instrumentation, 2013, 8, P09011-P09011.	0.5	31
76	A micromegas detector for [²²² Rn emanations measurements. , 2013, , .		1
77	Radiopurity control in the NEXT-100 double beta decay experiment. , 2013, , .		8
78	Pattern recognition techniques to reduce backgrounds in the search for the [¹³⁶ Xe double beta decay with gaseous TPCs. , 2013, , .		0
79	Pattern recognition of ¹³⁶ Xe double beta decay events and background discrimination in a high pressure xenon TPC. Journal of Physics C: Nuclear and Particle Physics, 2013, 40, 125203.	1.4	14
80	Micromegas-TPC operation at high pressure in xenon-trimethylamine mixtures. Journal of Instrumentation, 2013, 8, P01012-P01012.	0.5	30
81	Assessment of material radiopurity for Rare Event experiments using Micromegas. Journal of Instrumentation, 2013, 8, C11012-C11012.	0.5	19
82	Future axion searches with the International Axion Observatory (IAXO). Journal of Physics: Conference Series, 2013, 460, 012002.	0.3	9
83	X-ray detection with Micromegas with background levels below 10^{-6} keV ⁻¹ cm ⁻² s ⁻¹ . Journal of Instrumentation, 2013, 8, C12042-C12042.	0.5	19
84	Low-background X-ray detection with Micromegas for axion research. Journal of Physics: Conference Series, 2013, 460, 012003.	0.3	2
85	Micromegas-TPC operation at high pressure in Xenon-trimethylamine mixtures. Journal of Physics: Conference Series, 2013, 460, 012012.	0.3	5
86	CAST constraints on the axion-electron coupling. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 010-010.	1.9	60
87	Direct detection of dark matter axions with directional sensitivity. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 022-022.	1.9	24
88	NEXT-100 Technical Design Report (TDR). Executive summary. Journal of Instrumentation, 2012, 7, T06001-T06001.	0.5	62
89	Status of R&D on Micromegas for Rare Event Searches : The T-REX project. EAS Publications Series, 2012, 53, 147-154.	0.3	10
90	Low X-ray background measurements at the Underground Canfranc Laboratory. EAS Publications Series, 2012, 53, 155-163.	0.3	4

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91	Performance of micromegas detectors in the CAST Experiment. Journal of Physics: Conference Series, 2012, 347, 012029.	0.3	0
92	Status and perspectives of the CAST experiment. Journal of Physics: Conference Series, 2012, 375, 022001.	0.3	0
93	SiPMs coated with TPB: coating protocol and characterization for NEXT. Journal of Instrumentation, 2012, 7, P02010-P02010.	0.5	13
94	Rare event searches based on Micromegas detectors: the T-REX project. Journal of Physics: Conference Series, 2012, 375, 022003.	0.3	7
95	The T-REX project: Micromegas for Rare Event Searches. Journal of Physics: Conference Series, 2012, 347, 012030.	0.3	4
96	New Developments in Micromegas Microbulk Detectors. Physics Procedia, 2012, 37, 448-455.	1.2	4
97	CAST Microbulk Micromegas in the Canfranc Underground Laboratory. Physics Procedia, 2012, 37, 478-482.	1.2	6
98	The Discrimination Capabilities of Micromegas Detectors at Low Energy. Physics Procedia, 2012, 37, 1079-1086.	1.2	3
99	Towards a new generation axion helioscope. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 013-013.	1.9	143
100	Latest results and prospects of the CERN Axion Solar Telescope. Journal of Physics: Conference Series, 2011, 309, 012001.	0.3	0
101	Ultralow background periods in CAST Micromegas detectors and tests in the Canfranc Underground Laboratory. Journal of Physics: Conference Series, 2011, 309, 012002.	0.3	1
102	Radiopurity of micromegas readout planes. Astroparticle Physics, 2011, 34, 354-359.	1.9	54
103	The new micromegas X-ray detectors in CAST. X-Ray Spectrometry, 2011, 40, 240-246.	0.9	9
104	First NEXT prototypes for double-beta decay search. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 628, 162-165.	0.7	9
105	New micromegas for axion searches in CAST. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 628, 172-176.	0.7	13
106	Spectral modeling of scintillator for the NEMO-3 and SuperNEMO detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 625, 20-28.	0.7	10
107	Search for Sub-eV Mass Solar Axions by the CERN Axion Solar Telescope with ^3He Buffer Gas. Physical Review Letters, 2011, 107, 261302.	2.9	129
108	Technique to measure the cosmic muon flux at the old Canfranc Underground Laboratory. Journal of Physics: Conference Series, 2010, 203, 012140.	0.3	0

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109	Development and performance of Microbulk Micromegas detectors. Journal of Instrumentation, 2010, 5, P02001-P02001.	0.5	113
110	Underground low flux neutron background measurements in LSM using a large volume (1m3) spherical proportional counter. Journal of Physics: Conference Series, 2010, 203, 012030.	0.3	7
111	Latest results from the CERN Axion Solar Telescope. Journal of Physics: Conference Series, 2010, 203, 012036.	0.3	0
112	MICROMEGAS detectors in the CAST experiment. Journal of Instrumentation, 2010, 5, P01009-P01009.	0.5	19
113	Probing new physics models of neutrinoless double beta decay with SuperNEMO. European Physical Journal C, 2010, 70, 927-943.	1.4	170
114	Results of the BiPo-1 prototype for radiopurity measurements for the SuperNEMO double beta decay source foils. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 622, 120-128.	0.7	24
115	THE CASE FOR A DIRECTIONAL DARK MATTER DETECTOR AND THE STATUS OF CURRENT EXPERIMENTAL EFFORTS. International Journal of Modern Physics A, 2010, 25, 1-51.	0.5	151
116	Micromegas readouts for double beta decay searches. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 010-010.	1.9	22
117	Probing the eV-Mass range for solar axions with CAST. , 2010, , .		0
118	Development of Micromegas for neutrinoless double beta decay searches. Journal of Instrumentation, 2009, 4, P11016-P11016.	0.5	8
119	Search for 14.4 keV solar axions emitted in the M1-transition of ^{57}Fe nuclei with CAST. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 002-002.	1.9	34
120	New Micromegas detectors in the CAST experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 604, 15-19.	0.7	19
121	Energy resolution of alpha particles in a microbulk Micromegas detector at high pressure argon and xenon mixtures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 608, 259-266.	0.7	40
122	The NEXT experiment. Journal of Physics: Conference Series, 2009, 179, 012005.	0.3	10
123	Spherical TPC development and trends. Journal of Physics: Conference Series, 2009, 179, 012003.	0.3	8
124	An ultra-low-background detector for axion searches. Journal of Physics: Conference Series, 2009, 179, 012015.	0.3	11
125	Energy resolution of alpha particles in a Micromegas detector at high pressure. Journal of Physics: Conference Series, 2009, 179, 012007.	0.3	1
126	Probing eV-scale axions with CAST. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 008-008.	1.9	120

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127	New Micromegas Detectors for Rare Event Searches: axions and decay.. , 2008, , .		1
128	The CAST experiment.. Journal of Physics: Conference Series, 2008, 110, 062023.	0.3	2
129	A novel large-volume spherical detector with proportional amplification read-out. Journal of Instrumentation, 2008, 3, P09007-P09007.	0.5	69
130	Search for Solar Axions with the CAST-Experiment. , 2008, , .		0
131	CAST " A CERN Experiment to Search for Solar Axions. AIP Conference Proceedings, 2007, , .	0.3	0
132	Background studies and shielding effects for the TPC detector of the CAST experiment. New Journal of Physics, 2007, 9, 208-208.	1.2	2
133	The Micromegas detector of the CAST experiment. New Journal of Physics, 2007, 9, 170-170.	1.2	55
134	An improved limit on the axion"photon coupling from the CAST experiment. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 010-010.	1.9	211
135	An active-shield method for the reduction of surface contamination in CUORE. AIP Conference Proceedings, 2007, , .	0.3	2
136	Passive Shielding in CUORE. AIP Conference Proceedings, 2007, , .	0.3	0
137	Background Studies for the pn-CCD Detector of CAST. AIP Conference Proceedings, 2007, , .	0.3	0
138	Micromegas for Axion Search and Prospects. Journal of Physics: Conference Series, 2007, 65, 012010.	0.3	0
139	The CAST time projection chamber. New Journal of Physics, 2007, 9, 171-171.	1.2	27
140	Background study for the pn-CCD detector of CERN Axion Solar Telescope. Astroparticle Physics, 2007, 28, 205-215.	1.9	1
141	Performance of the micromegas detector in the CAST experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 573, 38-40.	0.7	5
142	Prospects for the CERN Axion Solar Telescope sensitivity to 14.4keV axions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 580, 37-39.	0.7	0
143	A new Micromegas line for the CAST experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 581, 217-220.	0.7	2
144	CHARACTERIZATION OF THE CANFRANC UNDERGROUND LABORATORY: STATUS AND FUTURE PLANS. , 2007, , .		6

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145	Search for Solar Axions: CAST. , 2007, , .		0
146	Progress on a spherical TPC for low energy neutrino detection. Journal of Physics: Conference Series, 2006, 39, 281-283.	0.3	4
147	CUORE: An Experiment to Investigate for Neutrinoless Double Beta Decay by Cooling 750 kg of TeO ₂ Crystals at 10mK. AIP Conference Proceedings, 2006, , .	0.3	1
148	Cosmogenic activation in germanium double beta decay experiments. Journal of Physics: Conference Series, 2006, 39, 344-346.	0.3	7
149	First results from the CAST experiment. Journal of Physics: Conference Series, 2006, 39, 117-119.	0.3	1
150	Dark matter searches with NaI scintillators in the Canfranc underground laboratory: ANAIS experiment. Journal of Physics: Conference Series, 2006, 39, 123-125.	0.3	3
151	New CUORICINO results on the way to CUORE. Physica Scripta, 2006, T127, 49-51.	1.2	2
152	Scintillation of sapphire under particle excitation at low temperature. Journal of Physics: Conference Series, 2006, 39, 200-200.	0.3	0
153	Background understanding and improvement in NaI scintillators. Journal of Physics: Conference Series, 2006, 39, 201-201.	0.3	3
154	The TPC shielding of the CAST experiment. Journal of Physics: Conference Series, 2006, 39, 191-193.	0.3	1
155	Neutrons from rock radioactivity in the new Canfranc underground laboratory. Journal of Physics: Conference Series, 2006, 39, 151-153.	0.3	6
156	UZ Dark Matter Searches at Canfranc. AIP Conference Proceedings, 2006, , .	0.3	1
157	Search for solar axions: the CAST experiment. AIP Conference Proceedings, 2006, , .	0.3	0
158	The CUORICINO and CUORE double beta decay experiments. Progress in Particle and Nuclear Physics, 2006, 57, 203-216.	5.6	7
159	Cuoricino and CUORE detectors: developing big arrays of large mass bolometers for rare events physics. Nuclear Physics, Section B, Proceedings Supplements, 2006, 150, 214-218.	0.5	4
160	NOSTOS experiment and new trends in rare event detection. Nuclear Physics, Section B, Proceedings Supplements, 2006, 150, 208-213.	0.5	15
161	New CUORICINO results and status of CUORE. Physics of Atomic Nuclei, 2006, 69, 2083-2089.	0.1	1
162	Recent developments on scintillating bolometers for WIMP searches: ROSEBUD status. Journal of Physics: Conference Series, 2006, 39, 133-135.	0.3	8

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163	Micromegas in CAST and prospects. , 2006, , .		1
164	A LOW BACKGROUND MICROMEGAS DETECTOR FOR THE CAST EXPERIMENT. , 2006, , .		0
165	NOSTOS: A NEW LOW-ENERGY NEUTRINO EXPERIMENT. , 2005, , .		0
166	PERFORMANCE OF A SCINTILLATING SAPPHIRE BOLOMETER FOR THE ROSEBUD EXPERIMENT. , 2005, , .		0
167	ROSEBUD-II. Light-heat discrimination with scintillating bolometers underground. Nuclear Physics, Section B, Proceedings Supplements, 2005, 138, 519-521.	0.5	6
168	CUORICINO status and CUORE prospects. Nuclear Physics, Section B, Proceedings Supplements, 2005, 145, 268-271.	0.5	6
169	Status of the non-cryogenic dark matter searches at the Canfranc Underground Laboratory. Nuclear Physics, Section B, Proceedings Supplements, 2005, 138, 147-149.	0.5	8
170	The Canfranc Underground Laboratory. Nuclear Physics, Section B, Proceedings Supplements, 2005, 143, 574.	0.5	3
171	The cern axion solar telescope (CAST): an update. Nuclear Physics, Section B, Proceedings Supplements, 2005, 138, 41-44.	0.5	6
172	Study of the neutron background at the Canfranc Underground Laboratory. Nuclear Physics, Section B, Proceedings Supplements, 2005, 138, 65-67.	0.5	1
173	First results of the CUORICINO experiment. Nuclear Physics, Section B, Proceedings Supplements, 2005, 138, 210-213.	0.5	1
174	Searches for Astrophysical and Dark Matter Axions. Nuclear Physics, Section B, Proceedings Supplements, 2005, 143, 417-422.	0.5	2
175	First Results of the CERN Axion Solar Telescope (CAST). Nuclear Physics, Section B, Proceedings Supplements, 2005, 143, 548.	0.5	7
176	Cosmogenic activation of materials. AIP Conference Proceedings, 2005, , .	0.3	0
177	Light yield of undoped sapphire at low temperature under particle excitation. Applied Physics Letters, 2005, 87, 264102.	1.5	19
178	First Results from the CERN Axion Solar Telescope. Physical Review Letters, 2005, 94, 121301.	2.9	298
179	NOSTOS: a spherical TPC to detect low energy neutrinos. AIP Conference Proceedings, 2005, , .	0.3	13
180	STATUS OF THE ANAIS EXPERIMENT AT CANFRANC. , 2005, , .		0

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181	FIRST RESULTS FROM THE CERN AXION SOLAR TELESCOPE (CAST). , 2005, , .		0
182	RESULTS FROM CUORICINO AND PROSPECTS FOR CUORE. , 2005, , .		0
183	THE CANFRANC UNDERGROUND LABORATORY. PRESENT AND FUTURE. , 2005, , .		1
184	The IGEX experiment reexamined: A response to the critique of Klapdor-Kleingrothaus, Dietz, and Krivosheina. Physical Review D, 2004, 70, .	1.6	47
185	The CUORICINO ^{130}Te $\hat{I}^2\hat{I}^2$ -decay experiment and a new limit on $\sigma_{\text{SI}}^{\text{O}u}$ (η). Physics of Atomic Nuclei, 2004, 67, 1220-1226.	0.1	0
186	CUORE: a cryogenic underground observatory for rare events. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 775-798.	0.7	269
187	CUORICINO: a new large bolometer array for astroparticle physics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 518, 256-258.	0.7	2
188	First results from the Cuoricino experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 520, 132-134.	0.7	4
189	Bolometric WIMP search at Canfranc with different absorbers. Astroparticle Physics, 2004, 21, 23-34.	1.9	32
190	Neutron background at the Canfranc underground laboratory and its contribution to the IGEX-DM dark matter experiment. Astroparticle Physics, 2004, 21, 523-533.	1.9	31
191	CUORICINO AND CUORE: RESULTS AND PROSPECTS. , 2004, , .		1
192	Pulse-shape discrimination in the IGEX experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 515, 634-643.	0.7	29
193	The CERN axion solar telescope (CAST): status and prospects. Nuclear Physics, Section B, Proceedings Supplements, 2003, 114, 75-80.	0.5	5
194	Status of the ANAIS experiment at Canfranc. Nuclear Physics, Section B, Proceedings Supplements, 2003, 114, 111-115.	0.5	19
195	Searching for annual modulation in the WIMP signal: the ANAIS experiment at Canfranc. Nuclear Physics, Section B, Proceedings Supplements, 2003, 118, 525.	0.5	0
196	Improved limits for natural \hat{I}^{\pm} radioactivity of tungsten with a CaWO_4 scintillating bolometer. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 556, 14-20.	1.5	23
197	Using wavelets to reject background in dark matter experiments. Astroparticle Physics, 2003, 20, 247-256.	1.9	7
198	Physics potential and prospects for the CUORICINO and CUORE experiments. Astroparticle Physics, 2003, 20, 91-110.	1.9	64

#	ARTICLE	IF	CITATIONS
199	A cryogenic underground observatory for rare events: CUORE, an update. Physics of Atomic Nuclei, 2003, 66, 452-457.	0.1	12
200	First underground light versus heat discrimination for dark matter search. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 563, 48-52.	1.5	48
201	Cryogenic detection techniques at the canfranc underground laboratory: The ROSEBUD experiment. Nuclear Physics, Section B, Proceedings Supplements, 2003, 118, 523.	0.5	3
202	Improved constraints on WIMPS from the International Germanium EXperiment IGEX. Nuclear Physics, Section B, Proceedings Supplements, 2003, 118, 524.	0.5	1
203	CUORICINO AND CUORE. , 2003, , .		0
204	PRESENT STATUS OF IGEX DARK MATTER SEARCH AT CANFRANC UNDERGROUND LABORATORY. , 2003, , .		0
205	AXION SEARCHES AT CERN WITH THE CAST TELESCOPE. , 2003, , .		0
206	THE CERN AXION SOLAR TELESCOPE. , 2003, , .		0
207	The CUORICINO and CUORE experiments. , 2003, , .		0
208	CUORE: The Cryogenic Underground Observatory for Rare Events. AIP Conference Proceedings, 2002, , .	0.3	0
209	The CUORE experiment. , 2002, , .		1
210	Status and preliminary results of the ANAIS experiment at Canfranc. Nuclear Physics, Section B, Proceedings Supplements, 2002, 110, 94-96.	0.5	2
211	Improved constraints on wimps from the international germanium experiment IGEX. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 532, 8-14.	1.5	60
212	Particle dark matter and solar axion searches with a small germanium detector at the Canfranc Underground Laboratory. Astroparticle Physics, 2002, 16, 325-332.	1.9	79
213	IGEX76Geneutrinoless double-beta decay experiment: Prospects for next generation experiments. Physical Review D, 2002, 65, .	1.6	293
214	Present and Future Cryogenic Experiments on Double-Beta Decay. European Physical Journal D, 2002, 52, 531-540.	0.4	2
215	Sensitivity plots for WIMP direct detection using the annual modulation signature. Astroparticle Physics, 2001, 14, 339-350.	1.9	21
216	First results of the ROSEBUD dark matter experiment. Astroparticle Physics, 2001, 15, 79-85.	1.9	36

#	ARTICLE	IF	CITATIONS
217	First results of the IGEX dark matter experiment at the Canfranc Underground Laboratory. Nuclear Physics, Section B, Proceedings Supplements, 2001, 95, 229-232.	0.5	2
218	STATUS REPORT ON THE ROSEBUD DARK MATTER EXPERIMENT. , 2001, , .		0
219	Cold dark matter searches at the Canfranc underground laboratory. New Journal of Physics, 2000, 2, 13-13.	1.2	3
220	Status of the ROSEBUD Dark Matter search experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 444, 315-318.	0.7	10
221	New constraints on WIMPS from the Canfranc IGEX dark matter search. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 489, 268-272.	1.5	39
222	Prospects for solar axion searches with crystals via Bragg scattering. Nuclear Physics, Section B, Proceedings Supplements, 2000, 87, 102-104.	0.5	2
223	Sensitivity plots for WIMP modulation searches. Nuclear Physics, Section B, Proceedings Supplements, 2000, 87, 111-113.	0.5	2
224	Current IGEX results for neutrinoless double-beta decay of ^{76}Ge . Nuclear Physics, Section B, Proceedings Supplements, 2000, 87, 278-280.	0.5	25
225	Status of the ROSEBUD dark matter experiment in 1999. Nuclear Physics, Section B, Proceedings Supplements, 2000, 87, 500-501.	0.5	0
226	Recent results of the IGEX ^{76}Ge double-beta decay experiment. Physics of Atomic Nuclei, 2000, 63, 1225-1228.	0.1	44
227	New results of the WIMP search with the first IGEX Ge detectors. Physics of Atomic Nuclei, 2000, 63, 1268-1271.	0.1	8
228	Performances and prospects of the ?ROSEBUD? dark matter search experiment. Astroparticle Physics, 1999, 10, 361-368.	1.9	27
229	Prospects of solar axion searches with crystal detectors. Astroparticle Physics, 1999, 10, 397-404.	1.9	34
230	An extension of the standard model with a single coupling parameter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 403, 80-85.	1.5	0