

# Susana Cebrian

## List of Publications by Year in descending order

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262  
papers

5,529  
citations

101384

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102304

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265  
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265  
docs citations

265  
times ranked

2309  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dark Matter Searches Using NaI(Tl) at the Canfranc Underground Laboratory: Past, Present and Future. Universe, 2022, 8, 75.	0.9	1
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	Neutral Bremsstrahlung Emission in Xenon Unveiled. Physical Review X, 2022, 12, .	2.8	8
4	Direct detection of dark matter – APPEC committee report*. Reports on Progress in Physics, 2022, 85, 056201.	8.1	92
5	Measurement of the $^{136}\text{Xe}$ two-neutrino double- $\beta$ -decay half-life via direct background subtraction in NEXT. Physical Review C, 2022, 105, .	1.1	10
6	The dynamics of ions on phased radio-frequency carpets in high pressure gases and application for barium tagging in xenon gas time projection chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, , 167000.	0.7	3
7	Sensitivity of the NEXT experiment to Xe-124 double electron capture. Journal of High Energy Physics, 2021, 2021, 1.	1.6	1
8	Dark Matter Annual Modulation Results from the ANAIS-112 Experiment. Physical Sciences Forum, 2021, 2, .	0.3	0
9	SiPM-matrix readout of two-phase argon detectors using electroluminescence in the visible and near infrared range. European Physical Journal C, 2021, 81, 1.	1.4	18
10	The Role of Small Scale Experiments in the Direct Detection of Dark Matter. Universe, 2021, 7, 81.	0.9	1
11	Sensitivity of future liquid argon dark matter search experiments to core-collapse supernova neutrinos. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 043.	1.9	12
12	Separating $^{39}\text{Ar}$ from $^{40}\text{Ar}$ by cryogenic distillation with Aria for dark-matter searches. European Physical Journal C, 2021, 81, 1.	1.4	12
13	Annual modulation results from three-year exposure of ANAIS-112. Physical Review D, 2021, 103, .	1.6	58
14	Conceptual design of BabyIAXO, the intermediate stage towards the International Axion Observatory. Journal of High Energy Physics, 2021, 2021, 1.	1.6	28
15	Boosting background suppression in the NEXT experiment through Richardson-Lucy deconvolution. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
16	Sensitivity of a tonne-scale NEXT detector for neutrinoless double-beta decay searches. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
17	Demonstration of background rejection using deep convolutional neural networks in the NEXT experiment. Journal of High Energy Physics, 2021, 2021, 1.	1.6	13
18	Feebly-interacting particles: FIPs 2020 workshop report. European Physical Journal C, 2021, 81, 1.	1.4	130

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19	First results from the HENSA/ANAIS collaboration at the Canfranc Underground Laboratory. Journal of Physics: Conference Series, 2021, 2156, 012223.	0.3	2
20	Annual modulation results from three-year exposure of ANAIS-112. Journal of Physics: Conference Series, 2021, 2156, 012024.	0.3	0
21	Background model of the ANAIS-112 dark matter experiment. Journal of Physics: Conference Series, 2021, 2156, 012175.	0.3	0
22	Machine-learning techniques applied to three-year exposure of ANAIS-112. Journal of Physics: Conference Series, 2021, 2156, 012036.	0.3	2
23	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
24	ANAIS-112 status: two years results on annual modulation. Journal of Physics: Conference Series, 2020, 1468, 012014.	0.3	16
25	Small scale direct dark matter search experiments. Journal of Physics: Conference Series, 2020, 1468, 012033.	0.3	1
26	The TRES-DM experiment at the Canfranc Underground Laboratory. Journal of Physics: Conference Series, 2020, 1468, 012063.	0.3	4
27	Cosmogenic Activation in Double Beta Decay Experiments. Universe, 2020, 6, 162.	0.9	13
28	Radio frequency and DC high voltage breakdown of high pressure helium, argon, and xenon. Journal of Instrumentation, 2020, 15, P04022-P04022.	0.5	5
29	Mitigation of backgrounds from cosmogenic $^{137}\text{Xe}$ in xenon gas experiments using $^3\text{He}$ neutron capture. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 075001.	1.4	9
30	Double beta decay experiments at Canfranc Underground Laboratory. Progress in Particle and Nuclear Physics, 2020, 114, 103807.	5.6	5
31	Design and construction of a new detector to measure ultra-low radioactive-isotope contamination of argon. Journal of Instrumentation, 2020, 15, P02024-P02024.	0.5	19
32	The ANAIS-112 experiment at the Canfranc Underground Laboratory. Journal of Physics: Conference Series, 2020, 1342, 012056.	0.3	2
33	Status of the TRES-DM experiment at the Canfranc Underground Laboratory. Journal of Physics: Conference Series, 2020, 1342, 012091.	0.3	2
34	Low-diffusion Xe-He gas mixtures for rare-event detection: electroluminescence yield. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
35	Dependence of polytetrafluoroethylene reflectance on thickness at visible and ultraviolet wavelengths in air. Journal of Instrumentation, 2020, 15, P11031-P11031.	0.5	3
36	First Results on Dark Matter Annual Modulation from the ANAIS-112 Experiment. Physical Review Letters, 2019, 123, 031301.	2.9	70

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37	Status of low mass WIMP detector TREX-DM. Journal of Physics: Conference Series, 2019, 1312, 012010.	0.3	1
38	Electron drift and longitudinal diffusion in high pressure xenon-helium gas mixtures. Journal of Instrumentation, 2019, 14, P08009-P08009.	0.5	13
39	Background assessment for the TREX dark matter experiment. European Physical Journal C, 2019, 79, 1.	1.4	22
40	ANAIS-112 sensitivity in the search for dark matter annual modulation. European Physical Journal C, 2019, 79, 1.	1.4	32
41	Analysis of backgrounds for the ANAIS-112 dark matter experiment. European Physical Journal C, 2019, 79, 1.	1.4	47
42	Physics potential of the International Axion Observatory (IAXO). Journal of Cosmology and Astroparticle Physics, 2019, 2019, 047-047.	1.9	135
43	Electroluminescence TPCs at the thermal diffusion limit. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
44	Performance of ANAIS-112 experiment after the first year of data taking. European Physical Journal C, 2019, 79, 1.	1.4	36
45	Energy calibration of the NEXT-White detector with 1% resolution near $Q_{\beta\beta}^2$ of $^{136}\text{Xe}$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
46	Radiogenic backgrounds in the NEXT double beta decay experiment. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
47	Demonstration of the event identification capabilities of the NEXT-White detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
48	Study of the cosmogenic activation in NaI(Tl) crystals within the ANAIS experiment. International Journal of Modern Physics A, 2018, 33, 1843006.	0.5	13
49	Demonstration of Single-Barium-Ion Sensitivity for Neutrinoless Double-Beta Decay Using Single-Molecule Fluorescence Imaging. Physical Review Letters, 2018, 120, 132504.	2.9	40
50	Microscopic simulation of xenon-based optical TPCs in the presence of molecular additives. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 877, 157-172.	0.7	18
51	Cosmogenic production of tritium in dark matter detectors. Astroparticle Physics, 2018, 97, 96-105.	1.9	31
52	Micromegas for dark matter searches: CAST/IAXO & TREX-DM experiments. EPJ Web of Conferences, 2018, 174, 01008.	0.1	3
53	Measurement of radon-induced backgrounds in the NEXT double beta decay experiment. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
54	Next Generation Search for Axion and ALP Dark Matter with the International Axion Observatory. , 2018, , .		0

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55	The NEXT White (NEW) detector. Journal of Instrumentation, 2018, 13, P12010-P12010.	0.5	31
56	Electron drift properties in high pressure gaseous xenon. Journal of Instrumentation, 2018, 13, P07013-P07013.	0.5	10
57	High voltage insulation and gas absorption of polymers in high pressure argon and xenon gases. Journal of Instrumentation, 2018, 13, P10002-P10002.	0.5	8
58	Calibration of the NEXT-White detector using $^{83m}\text{Kr}$ decays. Journal of Instrumentation, 2018, 13, P10014-P10014.	0.5	20
59	Initial results on energy resolution of the NEXT-White detector. Journal of Instrumentation, 2018, 13, P10020-P10020.	0.5	11
60	Helium-Xenon mixtures to improve the topological signature in high pressure gas xenon TPCs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 905, 82-90.	0.7	17
61	Study of the loss of xenon scintillation in xenon-trimethylamine mixtures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 905, 22-28.	0.7	4
62	PandaX-III: Searching for neutrinoless double beta decay with high pressure $^{136}\text{Xe}$ gas time projection chambers. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	2.0	86
63	Cosmogenic activation of materials. International Journal of Modern Physics A, 2017, 32, 1743006.	0.5	28
64	Radiopurity assessment of the energy readout for the NEXT double beta decay experiment. Journal of Instrumentation, 2017, 12, T08003-T08003.	0.5	15
65	Light yield determination in large sodium iodide detectors applied in the search for dark matter. Astroparticle Physics, 2017, 93, 86-95.	1.9	17
66	Secondary scintillation yield of xenon with sub-percent levels of $\text{CO}_2$ additive for rare-event detection. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 663-671.	1.5	13
67	Background rejection in NEXT using deep neural networks. Journal of Instrumentation, 2017, 12, T01004-T01004.	0.5	43
68	Application and performance of an ML-EM algorithm in NEXT. Journal of Instrumentation, 2017, 12, P08009-P08009.	0.5	8
69	The potential of discrimination methods in a high pressure xenon TPC for the search of the neutrinoless double-beta decay of $\text{Xe-136}$ . Journal of Physics: Conference Series, 2017, 888, 012078.	0.3	0
70	The BiPo-3 detector for the measurement of ultra low natural radioactivities of thin materials. Journal of Instrumentation, 2017, 12, P06002-P06002.	0.5	17
71	The ANAIS dark matter project: Status and prospects. , 2017, , .		1
72	ANAIS: Status and prospects. EPJ Web of Conferences, 2016, 121, 06008.	0.1	0

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73	Assessment of backgrounds of the ANAIS experiment for dark matter direct detection. European Physical Journal C, 2016, 76, 1.	1.4	39
74	Cosmogenic and primordial radioisotopes in copper bricks shortly exposed to cosmic rays. Journal of Physics: Conference Series, 2016, 718, 042049.	0.3	2
75	Gaseous time projection chambers for rare event detection: results from the T-REX project. II. Dark matter. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 034-034.	1.9	21
76	TREX-DM: a low-background Micromegas-based TPC for low-mass WIMP detection. European Physical Journal C, 2016, 76, 529.	1.4	30
77	The NEXT experiment. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1732-1739.	0.2	5
78	ANAIS: Status and prospects. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2366-2368.	0.2	0
79	Results of the material screening program of the NEXT experiment. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2666-2668.	0.2	4
80	Backgrounds and sensitivity of the NEXT double beta decay experiment. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2612-2614.	0.2	3
81	Event reconstruction in NEXT using the ML-EM algorithm. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2624-2626.	0.2	1
82	Development of NEW, towards the first physics results of NEXT. Nuclear and Particle Physics Proceedings, 2016, 273-275, 2621-2623.	0.2	2
83	Readout technologies for directional WIMP Dark Matter detection. Physics Reports, 2016, 662, 1-46.	10.3	68
84	Status of the ANAIS Dark Matter Project at the Canfranc Underground Laboratory. Journal of Physics: Conference Series, 2016, 718, 042052.	0.3	8
85	TREX-DM: a low background Micromegas-based TPC for low-mass WIMP detection. Journal of Physics: Conference Series, 2016, 718, 042026.	0.3	1
86	The NEXT double beta decay experiment. Journal of Physics: Conference Series, 2016, 718, 062033.	0.3	2
87	Sensitivity of NEXT-100 to neutrinoless double beta decay. Journal of High Energy Physics, 2016, 2016, 1.	1.6	85
88	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
89	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
90	Imaging in (high pressure) Micromegas TPC detectors. Journal of Instrumentation, 2016, 11, C11011-C11011.	0.5	0

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91	From ANAIS-25 towards ANAIS-250. Physics Procedia, 2015, 61, 157-162.	1.2	15
92	Background analysis and status of the ANAIS dark matter project. AIP Conference Proceedings, 2015, , .	0.3	3
93	Radon and material radiopurity assessment for the NEXT double beta decay experiment. AIP Conference Proceedings, 2015, , .	0.3	10
94	Production and relevance of cosmogenic radionuclides in NaI(Tl) crystals. AIP Conference Proceedings, 2015, , .	0.3	2
95	Lessons from the operation of the $\alpha$ -Penning-Fluorescent <sup>TM</sup> TPC and prospects. Journal of Physics: Conference Series, 2015, 650, 012013.	0.3	3
96	TREX-DM: a low background Micromegas-based TPC for low mass WIMP detection. Journal of Physics: Conference Series, 2015, 650, 012005.	0.3	3
97	PMT calibration of a scintillation detector using primary scintillation. Journal of Instrumentation, 2015, 10, C02039-C02039.	0.5	4
98	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
99	An improved measurement of electron-ion recombination in high-pressure xenon gas. Journal of Instrumentation, 2015, 10, P03025-P03025.	0.5	9
100	Radiopurity assessment of the tracking readout for the NEXT double beta decay experiment. Journal of Instrumentation, 2015, 10, P05006-P05006.	0.5	20
101	Cosmogenic radionuclide production in NaI(Tl) crystals. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 046-046.	1.9	30
102	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
103	RARE EVENT SEARCHES AT CANFRANC: ANAIS EXPERIMENT. , 2015, , .		0
104	Analysis of the $^{40}\text{K}$ contamination in NaI(Tl) crystals from different providers in the frame of the ANAIS project. International Journal of Modern Physics A, 2014, 29, 1443010.	0.5	16
105	Bulk NaI(Tl) scintillation low energy events selection with the ANAIS-0 module. European Physical Journal C, 2014, 74, 1.	1.4	15
106	Present Status and Future Perspectives of the NEXT Experiment. Advances in High Energy Physics, 2014, 2014, 1-22.	0.5	46
107	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
108	Characterisation of NEXT-DEMO using xenon $K\alpha$ -X-rays. Journal of Instrumentation, 2014, 9, P10007-P10007.	0.5	22

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109	Preliminary results of ANAIS-25. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 742, 187-190.	0.7	33
110	Study of scintillation in natural and synthetic quartz and methacrylate. Optical Materials, 2014, 36, 1408-1417.	1.7	8
111	Characterization of a medium size Xe/TMA TPC instrumented with microbulk Micromegas, using low-energy $\beta$ -rays. Journal of Instrumentation, 2014, 9, C04015-C04015.	0.5	17
112	Slow scintillation time constants in NaI(Tl) for different interacting particles. Optical Materials, 2013, 36, 316-320.	1.7	25
113	Measurements of proton-induced radionuclide production cross sections to evaluate cosmic-ray activation of tellurium. Nuclear Instruments & Methods in Physics Research B, 2013, 295, 16-21.	0.6	16
114	Ionization and scintillation response of high-pressure xenon gas to alpha particles. Journal of Instrumentation, 2013, 8, P05025-P05025.	0.5	21
115	Near-intrinsic energy resolution for 30 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
116	Radiopurity control in the NEXT-100 double beta decay experiment: procedures and initial measurements. Journal of Instrumentation, 2013, 8, T01002-T01002.	0.5	22
117	Initial results of NEXT-DEMO, a large-scale prototype of the NEXT-100 experiment. Journal of Instrumentation, 2013, 8, P04002-P04002.	0.5	35
118	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
119	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
120	Radiopurity control in the NEXT-100 double beta decay experiment. , 2013, , .		8
121	Pattern recognition techniques to reduce backgrounds in the search for the $^{136}\text{Xe}$ double beta decay with gaseous TPCs. , 2013, , .		0
122	Cosmogenic activation of materials. , 2013, , .		3
123	Background studies for NaI(Tl) detectors in the ANAIS dark matter project. , 2013, , .		0
124	Pattern recognition of $^{136}\text{Xe}$ double beta decay events and background discrimination in a high pressure xenon TPC. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 125203.	1.4	14
125	Micromegas-TPC operation at high pressure in xenon-trimethylamine mixtures. Journal of Instrumentation, 2013, 8, P01012-P01012.	0.5	30
126	Assessment of material radiopurity for Rare Event experiments using Micromegas. Journal of Instrumentation, 2013, 8, C11012-C11012.	0.5	19



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127	Micromegas-TPC operation at high pressure in Xenon-trimethylamine mixtures. Journal of Physics: Conference Series, 2013, 460, 012012.	0.3	5
128	NEXT-100 Technical Design Report (TDR). Executive summary. Journal of Instrumentation, 2012, 7, T06001-T06001.	0.5	62
129	Status of R&D on Micromegas for Rare Event Searches : The T-REX project. EAS Publications Series, 2012, 53, 147-154.	0.3	10
130	Update on the ANAIS experiment. ANAIS-0 prototype results at the new Canfranc Underground Laboratory. Journal of Physics: Conference Series, 2012, 375, 012026.	0.3	15
131	SiPMs coated with TPB: coating protocol and characterization for NEXT. Journal of Instrumentation, 2012, 7, P02010-P02010.	0.5	13
132	Rare event searches based on Micromegas detectors: the T-REX project. Journal of Physics: Conference Series, 2012, 375, 022003.	0.3	7
133	The T-REX project: Micromegas for Rare Event Searches. Journal of Physics: Conference Series, 2012, 347, 012030.	0.3	4
134	Background model for a NaI (TI) detector devoted to dark matter searches. Astroparticle Physics, 2012, 37, 60-69.	1.9	31
135	Hypoglycaemia and somnambulism: A case report. Diabetes and Metabolism, 2012, 38, 574-575.	1.4	3
136	Radiopurity of micromegas readout planes. Astroparticle Physics, 2011, 34, 354-359.	1.9	54
137	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
138	ANAIS status report. Journal of Physics: Conference Series, 2010, 203, 012044.	0.3	3
139	The BiPo detector. Journal of Physics: Conference Series, 2010, 203, 012131.	0.3	0
140	Technique to measure the cosmic muon flux at the old Canfranc Underground Laboratory. Journal of Physics: Conference Series, 2010, 203, 012140.	0.3	0
141	Search for solar axion emission from ${}^7\text{Li}$ and $\text{D}(\text{p}, \text{i}){}^3\text{He}$ nuclear decays with the CAST $\hat{\text{I}}^3$ -ray calorimeter. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 032-032.	1.9	13
142	Background level estimations using Pulse Shape Analysis in new generation Ge experiments. Journal of Physics: Conference Series, 2010, 203, 012134.	0.3	1
143	Probing new physics models of neutrinoless double beta decay with SuperNEMO. European Physical Journal C, 2010, 70, 927-943.	1.4	170
144	Cosmogenic activation in germanium and copper for rare event searches. Astroparticle Physics, 2010, 33, 316-329.	1.9	41

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145	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
146	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
147	Micromegas readouts for double beta decay searches. Journal of Cosmology and Astroparticle Physics, 2010, 2010, 010-010.	1.9	22
148	Development of Micromegas for neutrinoless double beta decay searches. Journal of Instrumentation, 2009, 4, P11016-P11016.	0.5	8
149	Search for 14.4 keV solar axions emitted in the M1-transition of $^{57}\text{Fe}$ nuclei with CAST. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 002-002.	1.9	34
150	The NEXT experiment. Journal of Physics: Conference Series, 2009, 179, 012005.	0.3	10
151	Probing eV-scale axions with CAST. Journal of Cosmology and Astroparticle Physics, 2009, 2009, 008-008.	1.9	120
152	New Micromegas Detectors for Rare Event Searches: axions and decay.. , 2008, , .		1
153	Results from a search for the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mrow> < mml:mn>0</mml:mn> < mml:mi>\hat{\epsilon}, </mml:mi> < mml:mi>\hat{I}^2 </mml:mi> < mml:mi>\hat{I}^2 </mml:mi> < mml:mi> </mml:mrow> < mml:math> of < mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mmultiscripts> < mml:mi mathvariant="normal">Te </mml:mi> < mml:mprescripts /> < mml:none /> < mml:mrow> < mml:mn>130 </mml:mn> < mml:mrow> </mml:mmultiscripts> </mml:math>. Physical Review C, 2008, 78, , .$	1.1	191
154	The CAST experiment.. Journal of Physics: Conference Series, 2008, 110, 062023.	0.3	2
155	Search for Solar Axions with the CAST-Experiment. , 2008, , .		0
156	CAST " A CERN Experiment to Search for Solar Axions. AIP Conference Proceedings, 2007, , .	0.3	0
157	Background studies and shielding effects for the TPC detector of the CAST experiment. New Journal of Physics, 2007, 9, 208-208.	1.2	2
158	The x-ray telescope of CAST. New Journal of Physics, 2007, 9, 169-169.	1.2	49
159	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
160	An active-shield method for the reduction of surface contamination in CUORE. AIP Conference Proceedings, 2007, , .	0.3	2
161	Passive Shielding in CUORE. AIP Conference Proceedings, 2007, , .	0.3	0
162	Background Reduction For Germanium Double Beta Decay Experiments. AIP Conference Proceedings, 2007, , .	0.3	0

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163	Background Studies for the pn-CCD Detector of CAST. AIP Conference Proceedings, 2007, , .	0.3	0
164	The CAST time projection chamber. New Journal of Physics, 2007, 9, 171-171.	1.2	27
165	Background study for the pn-CCD detector of CERN Axion Solar Telescope. Astroparticle Physics, 2007, 28, 205-215.	1.9	1
166	Background reduction and sensitivity for germanium double beta decay experiments. Astroparticle Physics, 2007, 28, 435-447.	1.9	13
167	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
168	DARK MATTER SEARCHES AT CANFRANC: STATUS OF ANAIS. , 2007, , .		1
169	CHARACTERIZATION OF THE CANFRANC UNDERGROUND LABORATORY: STATUS AND FUTURE PLANS. , 2007, , .		6
170	Search for Solar Axions: CAST. , 2007, , .		0
171	BACKGROUND STUDIES OF THE PN-CCD DETECTOR OF CAST. , 2007, , .		0
172	BACKGROUND REDUCTION FOR GERMANIUM DOUBLE BETA DECAY DETECTORS. , 2007, , .		0
173	CUORE: An Experiment to Investigate for Neutrinoless Double Beta Decay by Cooling 750 kg of TeO <sub>2</sub> Crystals at 10mK. AIP Conference Proceedings, 2006, , .	0.3	1
174	Cosmogenic activation in germanium double beta decay experiments. Journal of Physics: Conference Series, 2006, 39, 344-346.	0.3	7
175	First results from the CAST experiment. Journal of Physics: Conference Series, 2006, 39, 117-119.	0.3	1
176	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
177	New CUORICINO results on the way to CUORE. Physica Scripta, 2006, T127, 49-51.	1.2	2
178	Scintillation of sapphire under particle excitation at low temperature. Journal of Physics: Conference Series, 2006, 39, 200-200.	0.3	0
179	Background understanding and improvement in NaI scintillators. Journal of Physics: Conference Series, 2006, 39, 201-201.	0.3	3
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