

# Matthias Laubenstein

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/186678/publications.pdf>

Version: 2024-02-01

430  
papers

15,650  
citations

22548

61  
h-index

25230

113  
g-index

432  
all docs

432  
docs citations

432  
times ranked

5903  
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for rare alpha and double beta decays of Yb isotopes to excited levels of daughter nuclei. European Physical Journal C, 2022, 82, 1.	1.4	2
2	Correlated and integrated directionality for sub-MeV solar neutrinos in Borexino. Physical Review D, 2022, 105, .	1.6	8
3	First Directional Measurement of Sub-MeV Solar Neutrinos with Borexino. Physical Review Letters, 2022, 128, 091803.	2.9	17
4	Search for low-energy signals from fast radio bursts with the Borexino detector. European Physical Journal C, 2022, 82, 1.	1.4	0
5	Pulse shape analysis in Gerda Phase II. European Physical Journal C, 2022, 82, 284.	1.4	7
6	Development of a cryogenic $\text{In}^{115}$ calorimeter to measure $\alpha$ decays. European Physical Journal C, 2022, 82, 1.	0.7	4
7	Analysis methods used and planned for VIP-2. EPJ Web of Conferences, 2022, 262, 01022.	0.1	0
8	Arpu Kuilpu: An H5 from the outer main belt. Meteoritics and Planetary Science, 2022, 57, 1146-1157.	0.7	4
9	Testing the Pauli Exclusion Principle with the VIP-2 Experiment. Symmetry, 2022, 14, 893.	1.1	9
10	At the crossroad of the search for spontaneous radiation and the Orch OR consciousness theory. Physics of Life Reviews, 2022, 42, 8-14.	1.5	4
11	Investigation on Rare Nuclear Processes in Hf Nuclides. Radiation, 2022, 2, 234-247.	0.6	0
12	Material radiopurity control in the XENONnT experiment. European Physical Journal C, 2022, 82, .	1.4	13
13	Search for low-energy neutrinos from astrophysical sources with Borexino. Astroparticle Physics, 2021, 125, 102509.	1.9	26
14	Underground test of gravity-related wave function collapse. Nature Physics, 2021, 17, 74-78.	6.5	67
15	Search for double $\beta$ -decay modes of $^{64}\text{Zn}$ using purified zinc. European Physical Journal C, 2021, 81, 1.	1.4	5
16	An investigation of the 27 July 2018 bolide and meteorite fall over Benenitra, southwestern Madagascar. South African Journal of Science, 2021, 117, .	0.3	1
17	Measurement of $^{190}\text{Pt}$ alpha decay modes with gamma emission using a novel approach with an ultra-low-background high purity germanium detector. Journal of Instrumentation, 2021, 16, P03027.	0.5	5
18	The impact and recovery of asteroid 2018 LA. Meteoritics and Planetary Science, 2021, 56, 844-893.	0.7	21

#	ARTICLE	IF	CITATIONS
19	Double beta decay of $^{150}\text{Nd}$ to the first $0^+_{\text{exc}}$ excited level of $^{150}\text{Sm}$ . <i>Physica Scripta</i> , 2021, 96, 085302.	1.2	6
20	New experimental limits on double-beta decay of osmium. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2021, 48, 085104.	1.4	4
21	Characterization of inverted coaxial $^{76}\text{Ge}$ detectors in GERDA for future double- $\beta$ decay experiments. <i>European Physical Journal C</i> , 2021, 81, 505.	1.4	7
22	A search for rare and induced nuclear decays in hafnium. <i>Nuclear Physics A</i> , 2021, 1012, 122212.	0.6	10
23	Novel CSL bounds from the noise-induced radiation emission from atoms. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	12
24	Calibration of the Gerda experiment. <i>European Physical Journal C</i> , 2021, 81, 682.	1.4	9
25	Neutrinoless Double Beta Decay with Germanium Detectors: 1026 yr and Beyond. <i>Universe</i> , 2021, 7, 341.	0.9	10
26	Semi-Analytical Monte Carlo Method to Simulate the Signal of the VIP-2 Experiment. <i>Symmetry</i> , 2021, 13, 6.	1.1	2
27	A new limit on the resonant absorption of solar axions obtained via $^{169}\text{Tm}$ -containing bolometer. <i>Journal of Physics: Conference Series</i> , 2021, 2103, 012142.	0.3	0
28	Solar and geoneutrinos. <i>Journal of Physics: Conference Series</i> , 2021, 2156, 012002.	0.3	0
29	Identification of the cosmogenic $^{11}\text{C}$ background in large volumes of liquid scintillators with Borexino. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	6
30	$\hat{1}^3$ -ray high sensitivity tests of Collapse Models. <i>Journal of Physics: Conference Series</i> , 2021, 2156, 012167.	0.3	0
31	First Cherenkov directional detection of sub-MeV solar neutrinos in Borexino. <i>Journal of Physics: Conference Series</i> , 2021, 2156, 012111.	0.3	0
32	Observation of CNO cycle solar neutrinos in Borexino. <i>Journal of Physics: Conference Series</i> , 2021, 2156, 012128.	0.3	0
33	Consistency test of coincidence-summing calculation methods for extended sources. <i>Applied Radiation and Isotopes</i> , 2020, 155, 108921.	0.7	9
34	Determining the probability of locating peaks using computerized peak-location methods in gamma-ray spectra as a function of the relative peak-area uncertainty. <i>Applied Radiation and Isotopes</i> , 2020, 155, 108920.	0.7	3
35	A test of bolometric properties of Tm-containing crystals as a perspective detector for a solar axion search. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 949, 162924.	0.7	4
36	Characterization of vanadium of biological origin for possible applications in physics experiments. <i>Journal of Environmental Radioactivity</i> , 2020, 225, 106426.	0.9	1

#	ARTICLE	IF	CITATIONS
37	Investigation of ASIC-based signal readout electronics for LEGEND-1000. Journal of Instrumentation, 2020, 15, P09022-P09022.	0.5	6
38	Sensitivity to neutrinos from the solar CNO cycle in Borexino. European Physical Journal C, 2020, 80, 1.	1.4	19
39	Search for $\hat{I}_{\pm}$ decay of naturally occurring osmium nuclides accompanied by $\hat{I}^3$ quanta. Physical Review C, 2020, 102, .	1.1	11
40	Low background scintillators to investigate rare processes. Journal of Instrumentation, 2020, 15, C07037-C07037.	0.5	14
41	VIP-2 - Testing spin-statistics for electrons with high sensitivity. Journal of Physics: Conference Series, 2020, 1468, 012230.	0.3	0
42	First limits on double beta decays in $^{232}\text{Th}$ . European Physical Journal C, 2020, 80, 1.	1.4	0
43	Final Results of GERDA on the Search for Neutrinoless Double- $\hat{I}^2$ Decay. Physical Review Letters, 2020, 125, 252502.	2.9	208
44	The key role of the Silicon Drift Detectors in testing the Pauli Exclusion Principle for electrons: the VIP-2 experiment. Journal of Physics: Conference Series, 2020, 1548, 012033.	0.3	2
45	Low Background Radiation Detection Techniques and Mitigation of Radioactive Backgrounds. Frontiers in Physics, 2020, 8, .	1.0	22
46	High precision test of the Pauli Exclusion Principle for electrons. Journal of Physics: Conference Series, 2020, 1586, 012016.	0.3	0
47	VIP-2 "High-Sensitivity Tests on the Pauli Exclusion Principle for Electrons. Entropy, 2020, 22, 1195.	1.1	9
48	New limits on the resonant absorption of solar axions obtained with a $^{169}\text{Tm}$ -containing cryogenic detector. European Physical Journal C, 2020, 80, 1.	1.4	6
49	Search for $\hat{I}_{\pm}$ decay of naturally occurring Hf-nuclides using a Cs <sub>2</sub> HfCl <sub>6</sub> scintillator. Nuclear Physics A, 2020, 1002, 121941.	0.6	18
50	Improved measurement of $B$ solar neutrinos with $8 < \hat{I}^2$	1.6	24
51	First Search for Bosonic Superweakly Interacting Massive Particles with Masses up to $20 \text{ MeV}$ with GERDA. Physical Review Letters, 2020, 125, 011801.	2.9	20
52	Searching for neutrinoless double beta decay with GERDA. Journal of Physics: Conference Series, 2020, 1342, 012005.	0.3	4
53	The Monte Carlo simulation of the Borexino detector. Journal of Physics: Conference Series, 2020, 1342, 012035.	0.3	0
54	VIP2 at Gran Sasso - Test of the validity of the spin statistics theorem for electrons with X-ray spectroscopy. Journal of Physics: Conference Series, 2020, 1342, 012087.	0.3	0





#	ARTICLE	IF	CITATIONS
91	An innovative technique for the investigation of the 4-fold forbidden beta-decay of $^{50}\text{V}$ . European Physical Journal A, 2018, 54, 1.	1.0	12
92	First search for $2\nu\beta\beta$ and $\nu\beta\beta$ decay of $^{162}\text{Er}$ and new limit on $2\nu\beta\beta$ decay of $^{170}\text{Er}$ to the first excited level of $^{170}\text{Yb}$ . Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 095101.	1.4	10
93	Experimental search for the violation of Pauli exclusion principle. European Physical Journal C, 2018, 78, 319.	1.4	20
94	Limits and performances of a BaWO <sub>4</sub> single crystal. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 901, 150-155.	0.7	8
95	Underground Test of Quantum Mechanics: The VIP2 Experiment. STEAM-H: Science, Technology, Engineering, Agriculture, Mathematics & Health, 2018, , 155-168.	0.0	2
96	Double beta decay of $^{150}\text{Nd}$ to the first excited $0^+$ level of $^{150}\text{Sm}$ : Preliminary results. Nuclear Physics and Atomic Energy, 2018, 19, 95-102.	0.2	10
97	Recent Borexino results and perspectives of the SOX measurement. EPJ Web of Conferences, 2018, 182, 02099.	0.1	0
98	Monte Carlo simulation of background characteristics of a HPGe detector operating underground in the Gran Sasso National Laboratory. Applied Radiation and Isotopes, 2017, 126, 188-190.	0.7	15
99	Coordinated underground measurements of gamma-ray emitting radionuclides for plasma physics research. Applied Radiation and Isotopes, 2017, 126, 121-126.	0.7	1
100	Annamia H chondrite "Mineralogy, physical properties, cosmic ray exposure, and parent body history. Meteoritics and Planetary Science, 2017, 52, 1525-1541.	0.7	22
101	Seasonal modulation of the $^7\text{Be}$ solar neutrino rate in Borexino. Astroparticle Physics, 2017, 92, 21-29.	1.9	22
102	The Stubenberg meteorite "An LL6 chondrite fragmental breccia recovered soon after precise prediction of the strewn field. Meteoritics and Planetary Science, 2017, 52, 1683-1703.	0.7	20
103	Limits on uranium and thorium bulk content in Gerda Phase I detectors. Astroparticle Physics, 2017, 91, 15-21.	1.9	9
104	Background-free search for neutrinoless double- $\beta^2$ decay of $^{76}\text{Ge}$ with GERDA. Nature, 2017, 544, 47-52.	13.7	205
105	Exploratory growth in the $\text{Li}_2\text{MoO}_4\text{-MoO}_3$ system for the next crystal generation of heat-scintillation cryogenic bolometers. Solid State Sciences, 2017, 65, 41-51.	1.5	24
106	Screening of materials with high purity germanium detectors at the Laboratori Nazionali del Gran Sasso. International Journal of Modern Physics A, 2017, 32, 1743002.	0.5	52
107	New limits on $2\nu\beta\beta$ , $\nu\beta\beta$ and $2\nu\beta\beta$ decay of $^{136}\text{Ce}$ and $^{138}\text{Ce}$ with deeply purified cerium sample. European Physical Journal A, 2017, 53, 1.	1.0	13
108	Pulse-shape discrimination with $\text{Cs}_2\text{HfCl}_6$ crystal scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 869, 63-67.	0.7	17

#	ARTICLE	IF	CITATIONS
109	Contamination of the Cs <sup>137</sup> source for the Borexino experiment. <i>Journal of Crystal Growth</i> , 2017, 475, 158-170.	0.7	16
110	Cosmic-ray exposure ages of six chondritic Almahata Sitta fragments. <i>Meteoritics and Planetary Science</i> , 2017, 52, 2353-2374.	0.7	27
111	Quantum mechanics under X-rays in the Gran Sasso underground laboratory. <i>International Journal of Quantum Information</i> , 2017, 15, 1740004.	0.6	2
112	Limiting neutrino magnetic moments with Borexino Phase-II solar neutrino data. <i>Physical Review D</i> , 2017, 96, .	1.6	94
113	A Search for Low-energy Neutrinos Correlated with Gravitational Wave Events GW 150914, GW 151226, and GW 170104 with the Borexino Detector. <i>Astrophysical Journal</i> , 2017, 850, 21.	1.6	26
114	Investigation of 2 $\beta$ decay of <sup>116</sup> Cd with the help of enriched <sup>116</sup> CdWO <sub>4</sub> crystal scintillators. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	6
115	Borexino: Recent results and future plans. <i>Physics of Particles and Nuclei</i> , 2017, 48, 1026-1029.	0.2	1
116	Production of <sup>82</sup> Se enriched Zinc Selenide (ZnSe) crystals for the study of neutrinoless double beta decay. <i>Journal of Crystal Growth</i> , 2017, 475, 158-170.	0.7	41
117	Recent Results from Borexino. <i>Journal of Physics: Conference Series</i> , 2017, 798, 012114.	0.3	0
118	The Braunschweig meteorite 'a' a recent L6 chondrite fall in Germany. <i>Chemie Der Erde</i> , 2017, 77, 207-224.	0.8	16
119	Borexino's search for low-energy neutrino and antineutrino signals correlated with gamma-ray bursts. <i>Astroparticle Physics</i> , 2017, 86, 11-17.	1.9	13
120	The projected background for the CUORE experiment. <i>European Physical Journal C</i> , 2017, 77, 1.	1.4	90
121	Search for neutrinoless double beta decay with GERDA phase II. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0
122	CeSOX: An experimental test of the sterile neutrino hypothesis with Borexino. <i>Journal of Physics: Conference Series</i> , 2017, 934, 012003.	0.3	1
123	Development of <sup>100</sup> Mo-containing scintillating bolometers for a high-sensitivity neutrinoless double-beta decay search. <i>European Physical Journal C</i> , 2017, 77, 785.	1.4	100
124	Solar neutrino detectors as sterile neutrino hunters. <i>Journal of Physics: Conference Series</i> , 2017, 888, 012018.	0.3	1
125	Test of the electron stability with the Borexino detector. <i>Journal of Physics: Conference Series</i> , 2017, 888, 012193.	0.3	1
126	First results of GERDA Phase II and consistency with background models. <i>Journal of Physics: Conference Series</i> , 2017, 798, 012106.	0.3	0



#	ARTICLE	IF	CITATIONS
127	Test of the Pauli Exclusion Principle in the VIP-2 Underground Experiment. <i>Entropy</i> , 2017, 19, 300.	1.1	17
128	Material radioassay and selection for the XENON1T dark matter experiment. <i>European Physical Journal C</i> , 2017, 77, 1.	1.4	36
129	The large enriched germanium experiment for neutrinoless double beta decay (LEGEND). <i>AIP Conference Proceedings</i> , 2017, , .	0.3	126
130	VIP-2 at LNGS: An experiment on the validity of the Pauli Exclusion Principle for electrons. <i>Journal of Physics: Conference Series</i> , 2017, 873, 012018.	0.3	0
131	Underground tests of quantum mechanics. <i>Whispers in the cosmic silence?</i> . <i>Journal of Physics: Conference Series</i> , 2017, 880, 012045.	0.3	1
132	Improvements in the simulation code of the SOX experiment. <i>Journal of Physics: Conference Series</i> , 2017, 888, 012145.	0.3	0
133	First results from GERDA Phase II. <i>Journal of Physics: Conference Series</i> , 2017, 888, 012030.	0.3	1
134	Active background suppression with the liquid argon scintillation veto of GERDA Phase II. <i>Journal of Physics: Conference Series</i> , 2017, 888, 012238.	0.3	2
135	Study of the GERDA Phase II background spectrum. <i>Journal of Physics: Conference Series</i> , 2017, 888, 012106.	0.3	1
136	Recent results from Borexino. <i>Journal of Physics: Conference Series</i> , 2016, 718, 062059.	0.3	0
137	Short distance neutrino oscillations with Borexino. <i>EPJ Web of Conferences</i> , 2016, 121, 01002.	0.1	0
138	Search for double beta decay of $^{116}\text{Cd}$ with enriched $^{116}\text{CdWO}_4$ crystal scintillators (Aurora experiment). <i>Journal of Physics: Conference Series</i> , 2016, 718, 062009.	0.3	19
139	Recent Borexino results and prospects for the near future. <i>EPJ Web of Conferences</i> , 2016, 126, 02008.	0.1	2
140	SOX: search for short baseline neutrino oscillations with Borexino. <i>Journal of Physics: Conference Series</i> , 2016, 718, 062066.	0.3	3
141	New limits on $2\hat{1}^2$ processes in $^{106}\text{Cd}$ . <i>Journal of Physics: Conference Series</i> , 2016, 718, 062062.	0.3	2
142	Geo-neutrino results with Borexino. <i>Journal of Physics: Conference Series</i> , 2016, 675, 012029.	0.3	3
143	CNO and pepsolar neutrino measurements and perspectives in Borexino. <i>Journal of Physics: Conference Series</i> , 2016, 675, 012040.	0.3	2
144	Overview and accomplishments of the Borexino experiment. <i>Journal of Physics: Conference Series</i> , 2016, 675, 012036.	0.3	1

#	ARTICLE	IF	CITATIONS
145	Searches for the violation of Pauli exclusion principle at LNGS in VIP(-2) experiment. Journal of Physics: Conference Series, 2016, 718, 042055.	0.3	5
146	Measurement of neutrino flux from the primary protonâ€“proton fusion process in the Sun with Borexino detector. Physics of Particles and Nuclei, 2016, 47, 995-1002.	0.2	7
147	Double beta decays into excited states in $^{110}\text{Pd}$ and $^{102}\text{Pd}$ . Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 115201.	1.4	6
148	The search for sterile neutrinos with SOX-Borexino. Physics of Atomic Nuclei, 2016, 79, 1481-1484.	0.1	2
149	Intrinsic neutron background of nuclear emulsions for directional Dark Matter searches. Astroparticle Physics, 2016, 80, 16-21.	1.9	25
150	Certified reference materials for radionuclides in Bikini Atoll sediment (IAEA-410) and Pacific Ocean sediment (IAEA-412). Applied Radiation and Isotopes, 2016, 109, 101-104.	0.7	19
151	The X-ray machine for the examination of quantum mechanics. International Journal of Quantum Information, 2016, 14, 1640017.	0.6	2
152	Improvement of radiopurity level of enriched $^{116}\text{CdWO}_4$ and $\text{ZnWO}_4$ crystal scintillators by recrystallization. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 833, 77-81.	0.7	43
153	Flux modulations seen by the muon veto of the Gerda experiment. Astroparticle Physics, 2016, 84, 29-35.	1.9	18
154	SOX: Short Distance Neutrino Oscillations with Borexino. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1760-1764.	0.2	2
155	Search for $2\hat{1}^2$ decay of $^{106}\text{Cd}$ with an enriched $^{106}\text{CdWO}_4$ crystal scintillator in coincidence with four HPGe detectors. Physical Review C, 2016, 93, .	1.1	38
156	Search of Neutrinoless Double Beta Decay with the GERDA Experiment. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1876-1882.	0.2	23
157	Test of the electric charge conservation law with Borexino detector. Journal of Physics: Conference Series, 2016, 675, 012025.	0.3	0
158	Measurement of Solar pp-neutrino flux with Borexino: results and implications. Journal of Physics: Conference Series, 2016, 675, 012027.	0.3	3
159	The high precision measurement of the $^{144}\text{Ce}$ activity in the SOX experiment. Journal of Physics: Conference Series, 2016, 675, 012035.	0.3	0
160	First realâ€“time detection of solar pp neutrinos by Borexino. EPJ Web of Conferences, 2016, 121, 01001.	0.1	0
161	Application of photon detectors in the VIP2 experiment to test the Pauli Exclusion Principle. Journal of Physics: Conference Series, 2016, 718, 052030.	0.3	8
162	High significance measurement of the terrestrial neutrino flux with the Borexino detector. Journal of Physics: Conference Series, 2016, 718, 062025.	0.3	1

#	ARTICLE	IF	CITATIONS
163	Limit on the radiative neutrinoless double electron capture of $^{36}\text{Ar}$ from GERDA Phase A. European Physical Journal C, 2016, 76, 1.	1.4	15
164	Dry deposition velocity of $^{137}\text{Cs}$ and $^{134}\text{Cs}$ in Spain after the Fukushima Dai-Ichi Nuclear Power Plant accident. Applied Radiation and Isotopes, 2016, 109, 441-443.	0.7	5
165	Underground nuclear astrophysics: Why and how. European Physical Journal A, 2016, 52, 1.	1.0	30
166	Recent results from Borexino and the first real time measure of solar pp neutrinos. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1753-1759.	0.2	0
167	Low energy neutron background in deep underground laboratories. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 812, 1-6.	0.7	60
168	Understanding the detector behavior through Montecarlo and calibration studies in view of the SOX measurement. Journal of Physics: Conference Series, 2016, 675, 012012.	0.3	0
169	The $^{144}\text{Ce}$ source for SOX. Journal of Physics: Conference Series, 2016, 675, 012032.	0.3	2
170	Reference material for natural radionuclides in glass designed for underground experiments. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 619-626.	0.7	2
171	Spontaneously Emitted X-rays: An Experimental Signature of the Dynamical Reduction Models. Foundations of Physics, 2016, 46, 263-268.	0.6	16
172	Test of Electric Charge Conservation with Borexino. Physical Review Letters, 2015, 115, 231802.	2.9	42
173	Neutrino measurements from the Sun and Earth: Results from Borexino. AIP Conference Proceedings, 2015, , .	0.3	1
174	Testing the Pauli Exclusion Principle for Electrons at LNGS. Physics Procedia, 2015, 61, 552-559.	1.2	3
175	Geo-neutrinos from 1353 Days with the Borexino Detector. Physics Procedia, 2015, 61, 340-344.	1.2	1
176	Selective precipitation of potassium in seawater samples for improving the sensitivity of plain $\beta$ -ray spectrometry. AIP Conference Proceedings, 2015, , .	0.3	0
177	Limit on Neutrinoless Double Beta Decay of $^{76}\text{Ge}$ by GERDA. Physics Procedia, 2015, 61, 828-837.	1.2	6
178	VIP 2: experimental tests of the pauli exclusion principle for electrons. Hyperfine Interactions, 2015, 233, 121-126.	0.2	0
179	The Vicinicia meteorite fall: A new unshocked (S1) weakly metamorphosed (3.2) chondrite. Meteoritics and Planetary Science, 2015, 50, 1089-1111.	0.7	14
180	Results on $\beta\beta$ decay with emission of two neutrinos or Majorons in $^{76}\text{Ge}$ from GERDA Phase A. European Physical Journal C, 2015, 75, 1.	1.4	62

#	ARTICLE	IF	CITATIONS
181	Lowering the radioactivity of the photomultiplier tubes for the XENON1T dark matter experiment. European Physical Journal C, 2015, 75, 1.	1.4	63
182	GIOVE: a new detector setup for high sensitivity germanium spectroscopy at shallow depth. European Physical Journal C, 2015, 75, 1.	1.4	41
183	Double-beta decay investigation with highly pure enriched $^{82}\text{Se}$ for the LUCIFER experiment. European Physical Journal C, 2015, 75, 591.	1.4	41
184	Investigation of double beta decay of $^{116}\text{Cd}$ with the help of enriched $^{116}\text{CdWO}_4$ crystal scintillators. AIP Conference Proceedings, 2015, , .	0.3	6
185	High sensitivity tests of the Pauli Exclusion Principle with VIP2. Journal of Physics: Conference Series, 2015, 631, 012070.	0.3	3
186	Experimental search for the 'impossible atoms' - Pauli Exclusion Principle violation and spontaneous collapse of the wave function at test. Journal of Physics: Conference Series, 2015, 626, 012027.	0.3	1
187	X rays on quantum mechanics: Pauli Exclusion Principle and collapse models at test. Journal of Physics: Conference Series, 2015, 631, 012068.	0.3	3
188	Search for double beta processes in $^{106}\text{Cd}$ with enriched $^{106}\text{CdWO}_4$ crystal scintillator in coincidence with four crystals HPGe detector. AIP Conference Proceedings, 2015, , .	0.3	5
189	Cosmogenic radionuclides in Chelyabinsk and Kosice chondrites and features of solar cycles 23 and 24. Bulletin of the Russian Academy of Sciences: Physics, 2015, 79, 596-599.	0.1	0
190	Variations of cosmogenic radionuclide production rates along the meteorite orbits. Advances in Space Research, 2015, 56, 766-771.	1.2	7
191	Improvement of the energy resolution via an optimized digital signal processing in GERDA Phase I. European Physical Journal C, 2015, 75, 1.	1.4	30
192	$2\nu\beta\beta$ decay of $^{76}\text{Ge}$ into excited states with GERDA phase I. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 115201.	1.4	17
193	Cosmogenic radionuclides and mineralogical properties of the Chelyabinsk (LL5) meteorite: What do we learn about the meteoroid?. Meteoritics and Planetary Science, 2015, 50, 273-286.	0.7	20
194	Quantum explorations: from the waltz of the Pauli exclusion principle to the rock of the spontaneous collapse. Physica Scripta, 2015, 90, 028003.	1.2	6
195	Preliminary study of feasibility of an experiment looking for excited state double beta transitions in tin. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 797, 130-137.	0.7	6
196	Beyond Quantum Mechanics? Hunting the 'Impossible' Atoms -- Pauli Exclusion Principle Violation and Spontaneous Collapse of the Wave Function at Test. Acta Physica Polonica B, 2015, 46, 147.	0.3	5
197	Precise measurement of the $^{222}\text{Rn}$ half-life: A probe to monitor the stability of radioactivity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 526-530.	1.5	29
198	A study of the trace $^{39}\text{Ar}$ content in argon from deep underground sources. Astroparticle Physics, 2015, 66, 53-60.	1.9	22

#	ARTICLE	IF	CITATIONS
199	Production, characterization and operation of $^{76}\text{Ge}$ enriched BEGe detectors in GERDA. European Physical Journal C, 2015, 75, 1.	1.4	55
200	Short Distance Neutrino Oscillations with Borexino: SOX. Physics Procedia, 2015, 61, 511-517.	1.2	3
201	Geo-neutrinos and Borexino. Physics of Particles and Nuclei, 2015, 46, 174-181.	0.2	1
202	Solar neutrino with Borexino: Results and perspectives. Physics of Particles and Nuclei, 2015, 46, 166-173.	0.2	4
203	Cosmogenic nuclides in the KoÅ¿ice meteorite: Experimental investigations and Monte Carlo simulations. Meteoritics and Planetary Science, 2015, 50, 880-892.	0.7	22
204	Spectroscopy of geoneutrinos from 2056 days of Borexino data. Physical Review D, 2015, 92, .	1.6	77
205	Low-energy (anti)neutrino physics with Borexino: Neutrinos from the primary proton-proton fusion process in the Sun. Nuclear and Particle Physics Proceedings, 2015, 265-266, 87-92.	0.2	2
206	Search for time modulations in the decay rate of $^{40}\text{K}$ and $^{137}\text{Cs}$ using the Borexino detector. Physical Review D, 2015, 92, .	1.9	14
207	Search for $^{232}\text{Th}$ and $^{235}\text{U}$ processes in $^{106}\text{Cd}$ with $^{106}\text{CdWO}_4$ crystal scintillator. Functional Materials, 2015, 22, 135-139.	0.4	5
208	Hunting the "impossible atoms" Pauli exclusion principle violation and spontaneous collapse of the wave function at test. International Journal of Quantum Information, 2014, 12, 1560012.	0.6	0
209	The ArdÃ³n L6 ordinary chondrite: A long-hidden Spanish meteorite fall. Meteoritics and Planetary Science, 2014, 49, 1475-1484.	0.7	3
210	Underground study of the $^{17}\text{O}$ reaction relevant for explosive hydrogen burning. Physical Review C, 2014, 89, .	1.1	53
211	Final results of Borexino Phase-I on low-energy solar neutrino spectroscopy. Physical Review D, 2014, 89, .	1.6	204
212	Lifetimes of $^{214}\text{Po}$ and $^{212}\text{Po}$ measured with Counting Test Facility at Gran Sasso National Laboratory. Journal of Environmental Radioactivity, 2014, 138, 444-446.	0.9	1
213	Search for double beta decay of $^{136}\text{Ce}$ and $^{138}\text{Ce}$ with HPGe gamma detector. Nuclear Physics A, 2014, 930, 195-208.	0.6	24
214	Neutrinos from the primary proton-proton fusion process in the Sun. Nature, 2014, 512, 383-386.	18.7	250
215	The background in the $^{10}\text{Be}$ experiment Gerda. European Physical Journal C, 2014, 74, 1.	1.4	66
216	Fall, recovery, and characterization of the Novato L6 chondrite breccia. Meteoritics and Planetary Science, 2014, 49, 1388-1425.	0.7	59

#	ARTICLE	IF	CITATIONS
217	Validation of aerosol low-level activities by comparison with a deep underground laboratory. Applied Radiation and Isotopes, 2014, 87, 66-69.	0.7	2
218	Analysis of radioactive trace impurities with $^{106}\text{Cd}$ -sensitivity in Borexino. International Journal of Modern Physics A, 2014, 29, 1442009.	0.5	8
219	Radiopurity of $\text{CaWO}_4$ crystals for direct dark matter search with CRESST and EURECA. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 018-018.	1.9	25
220	Purification of cerium, neodymium and gadolinium for low background experiments. EPJ Web of Conferences, 2014, 65, 04001.	0.1	4
221	First results of the experiment to search for $2\beta$ decay of $^{106}\text{Cd}$ with $^{106}\text{CdWO}_4$ crystal scintillator in coincidence with four crystals HPGe detector. EPJ Web of Conferences, 2014, 65, 01004.	0.1	4
222	Search for $2\beta$ decay of $^{116}\text{Cd}$ with the help of enriched $^{116}\text{CdWO}_4$ crystal scintillators. EPJ Web of Conferences, 2014, 65, 01005.	0.1	9
223	Low energy neutrinos. International Journal of Modern Physics Conference Series, 2014, 31, 1460285.	0.7	0
224	Experimental Tests of Quantum Mechanics: Pauli Exclusion Principle and Spontaneous Collapse Models. Springer Proceedings in Physics, 2014, , 181-187.	0.1	0
225	Radionuclide mapping of the Molise region (Central Italy) via gamma-ray spectrometry of soil samples: relationship with geological and pedological parameters. Journal of Radioanalytical and Nuclear Chemistry, 2013, 298, 317-323.	0.7	8
226	Lifetime measurements of $^{214}\text{Po}$ and $^{212}\text{Po}$ with the CTF liquid scintillator detector at LNGS. European Physical Journal A, 2013, 49, 1.	1.0	17
227	New search for correlated $e^+e^-$ pairs in the $\alpha$ decay of $^{241}\text{Am}$ . European Physical Journal A, 2013, 49, 1.	1.0	46
228	Optimization of low-background alpha spectrometers for analysis of thick samples. Applied Radiation and Isotopes, 2013, 81, 146-150.	0.7	8
229	SOX: Short distance neutrino Oscillations with Borexino. Journal of High Energy Physics, 2013, 2013, 1.	1.6	98
230	First search for double- $\beta$ decay of $^{184}\text{Os}$ and $^{192}\text{Os}$ . European Physical Journal A, 2013, 49, 1.	1.0	17
231	Pulse shape discrimination for Gerda Phase I data. European Physical Journal C, 2013, 73, 1.	1.4	73
232	$\text{CdWO}_4$ crystal scintillators from enriched isotopes for double beta decay experiments. Radiation Measurements, 2013, 56, 66-69.	0.7	25
233	Measurement of the half-life of the two-neutrino double beta decay of $^{76}\text{Ge}$ with the GERDA experiment. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 035110.	1.4	49
234	New limits on heavy sterile neutrino mixing $\ln \langle B \rangle > 8$ decay obtained with the Borexino detector. Physical Review D, 2013, 88, .	1.6	29

#	ARTICLE	IF	CITATIONS
235	Radioactive contamination of ${}^7\text{Li}(\text{Eu})$ crystal scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 704, 40-43.	0.7	9
236	Uranium, radium and tritium groundwater monitoring at INFN-Gran Sasso National Laboratory, Italy. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 585-592.	0.7	9
237	Neutrinos from the sun and from radioactive sources. Nuclear Physics, Section B, Proceedings Supplements, 2013, 237-238, 77-81.	0.5	0
238	Solar neutrino results from Borexino. Nuclear Physics, Section B, Proceedings Supplements, 2013, 237-238, 104-106.	0.5	1
239	Measurement of geo-neutrinos from 1353 days of Borexino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 295-300.	1.5	92
240	Recent results and future development of Borexino. Nuclear Physics, Section B, Proceedings Supplements, 2013, 235-236, 55-60.	0.5	3
241	Search for correlations between solar flares and decay rate of radioactive nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 116-119.	1.5	24
242	Ground gamma-ray survey of the Solforata gas discharge area, Alban Hills-Italy: A comparison between field and laboratory measurements. Journal of Environmental Radioactivity, 2013, 115, 175-182.	0.9	4
243	The Gerda experiment for the search of $0\nu\beta\beta$ decay in ${}^{76}\text{Ge}$ . European Physical Journal C, 2013, 73, 1.	1.4	181
244	Search for $2\nu\beta\beta$ decays of ${}^{96}\text{Ru}$ and ${}^{104}\text{Ru}$ by ultralow-background HPGe $\beta\beta$ spectrometry at LNGS: Final results. Physical Review C, 2013, 87, .	1.1	21
245	Results on Neutrinoless Double- $\beta$ Decay of ${}^{76}\text{Ge}$ from Phase I of the GERDA Experiment. Physical Review Letters, 2013, 111, 122503.	2.9	470
246	Cosmogenic Backgrounds in Borexino at 3800 m water-equivalent depth. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 049-049.	1.9	63
247	Purification of lanthanides for double beta decay experiments. AIP Conference Proceedings, 2013, , .	0.3	13
248	Development of radiopure cadmium tungstate crystal scintillators from enriched $[\text{sup } 106]\text{Cd}$ and $[\text{sup } 116]\text{Cd}$ to search for double beta decay. AIP Conference Proceedings, 2013, , .	0.3	15
249	Search for rare nuclear decays with HPGe detectors at the STELLA facility of the LNGS. , 2013, , .		0
250	Fall, classification, and exposure history of the Mifflin L5 chondrite. Meteoritics and Planetary Science, 2013, 48, 641-655.	0.7	5
251	Testing the Pauli Exclusion Principle for Electrons. Journal of Physics: Conference Series, 2013, 447, 012070.	0.3	14
252	STUDY OF THE TIME DEPENDENCE OF RADIOACTIVITY. Acta Polytechnica, 2013, 53, 524-527.	0.3	0





#	ARTICLE	IF	CITATIONS
271	decay processes in $^{106}\text{Cd}$ with the help of a $\text{CdWO}_4$ crystal scintillator. Applied Radiation and Isotopes, 2012, 70, 2112-2118.	1.1	56
272	Intercomparison of methods for coincidence summing corrections in gamma-ray spectrometry" part II (volume sources). Applied Radiation and Isotopes, 2012, 70, 2112-2118.	0.7	38
273	Neutronics analysis and nuclear heating measurement up to the TFC in a mock-up of the ITER inboard shield. Fusion Engineering and Design, 2012, 87, 910-915.	1.0	11
274	Determination of $^{137}\text{Cs}$ activities in surface sediments and derived sediment accumulation rates in Thessaloniki Gulf, Greece. Environmental Earth Sciences, 2012, 67, 833-843.	1.3	14
275	Measurement of CNGS muon neutrino speed with Borexino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 401-405.	1.5	33
276	A glimpse into the Pandora box of the quantum mechanics: The Pauli exclusion principle violation and spontaneous collapse models put at test. , 2012, , .		2
277	Development of $\text{CdWO}_4$ crystal scintillators from enriched isotopes for $^{213}\text{Po}$ decay experiments. , 2012, , .		0
278	Maribo" A new CM fall from Denmark. Meteoritics and Planetary Science, 2012, 47, 30-50.	0.7	71
279	Radioactive contamination of $\text{SrI}_2(\text{Eu})$ crystal scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 670, 10-17.	0.7	38
280	Absence of a day"night asymmetry in the $^7\text{Be}$ solar neutrino rate in Borexino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 22-26.	1.5	83
281	Search for time dependence of the $^{137}\text{Cs}$ decay constant. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 114-117.	1.5	37
282	Search for $^7\text{Li}$ solar axions using resonant absorption in $\text{LiF}$ crystal: Final results. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 711, 41-45.	1.5	25
283	Low background detector with enriched $^{116}\text{CdWO}_4$ crystal scintillators to search for double $\beta^2$ decay of $^{116}\text{Cd}$ . Journal of Instrumentation, 2011, 6, P08011-P08011.	0.5	51
284	Precision Measurement of the $^7\text{Be}$ Solar Neutrino Interaction Rate in Borexino. Physical Review Letters, 2011, 107, 141302.	2.9	441
285	Characterization of a broad energy germanium detector and application to neutrinoless double beta decay search in $^{76}\text{Ge}$ . Journal of Instrumentation, 2011, 6, P04005-P04005.	0.5	23
286	Jesenice" A new meteorite fall from Slovenia. Meteoritics and Planetary Science, 2011, 46, 793-804.	0.7	27
287	Testing the Pauli Exclusion Principle for electrons. Journal of Physics: Conference Series, 2011, 335, 012060.	0.3	2
288	Muon and cosmogenic neutron detection in Borexino. Journal of Instrumentation, 2011, 6, P05005-P05005.	0.5	68

#	ARTICLE	IF	CITATIONS
289	Experimental tests of quantum mechanics – Pauli exclusion principle violation (the VIP experiment) and future perspective. Journal of Physics: Conference Series, 2011, 306, 012036.	0.3	9
290	Gator: a low-background counting facility at the Gran Sasso Underground Laboratory. Journal of Instrumentation, 2011, 6, P08010-P08010.	0.5	45
291	Double $\hat{I}^2$ experiments with the help of scintillation and HPGe detectors at Gran Sasso. , 2011, , .		1
292	Production and suppression of [ <sup>sup 11</sup> ]C in the solar neutrino experiment Borexino. , 2011, , .		0
293	Activation method combined with characteristic X-ray counting: A possibility to measure cross sections on heavy p-nuclei. Nuclear Physics A, 2011, 867, 52-65.	0.6	13
294	Short Term Quality Control and Assurance in Borexino. Nuclear Physics, Section B, Proceedings Supplements, 2011, 221, 339.	0.5	0
295	Experimental tests of quantum mechanics: Pauli Exclusion Principle Violation (the VIP experiment) and future perspectives. Physics Procedia, 2011, 17, 40-48.	1.2	8
296	First search for double- $\eta$ decay of platinum by ultra-low background HP Ge $\gamma$ spectrometry. European Physical Journal A, 2011, 47, 1.	1.0	26
297	New Experimental Limit on the Pauli Exclusion Principle Violation by Electrons – The VIP Experiment. Foundations of Physics, 2011, 41, 282-287.	0.6	10
298	Uranium groundwater anomalies and active normal faulting. Journal of Radioanalytical and Nuclear Chemistry, 2011, 288, 101-107.	0.7	18
299	Material screening and selection for XENON100. Astroparticle Physics, 2011, 35, 43-49.	1.9	81
300	Radioactive contamination of ZnWO <sub>4</sub> crystal scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 626-627, 31-38.	0.7	64
301	Monitoring the leakage of 3.0 and 14.7MeV protons from a fusion plasma. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 632, 89-100.	0.7	4
302	First search for double $\hat{I}^2$ decay of dysprosium. Nuclear Physics A, 2011, 859, 126-139.	0.6	36
303	Neutrino interactions at few MeV: results from Borexino at Gran Sasso. Nuclear Physics, Section B, Proceedings Supplements, 2011, 212-213, 121-127.	0.5	0
304	Solar neutrino results from Borexino and main future perspectives. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 630, 210-213.	0.7	2
305	Effect of recrystallisation on the radioactive contamination of CaWO <sub>4</sub> crystal scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 631, 44-53.	0.7	22
306	Aluminum as a source of background in low background experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 647, 39-45.	0.7	6



#	ARTICLE	IF	CITATIONS
325	VIP EXPERIMENT: NEW EXPERIMENTAL LIMIT ON PAULI EXCLUSION PRINCIPLE VIOLATION BY ELECTRONS. International Journal of Modern Physics A, 2009, 24, 506-510.	0.5	1
326	Measurement of the solar 8B neutrino flux down to 2.8 MeV with Borexino. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 127-129.	0.5	2
327	The Borexino detector at the Laboratori Nazionali del Gran Sasso. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 600, 568-593.	0.7	292
328	Environmental radioactivity in the ground water at the Gran Sasso National Laboratory (Italy): a possible contribution to the variation of the neutron flux background. Journal of Radioanalytical and Nuclear Chemistry, 2009, 282, 809-813.	0.7	14
329	Ultra-low background measurements of decayed aerosol filters. Journal of Radioanalytical and Nuclear Chemistry, 2009, 282, 731-735.	0.7	7
330	Ancient Greek lead findings in Ukraine. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 603, 328-332.	0.7	27
331	Intrinsic radiopurity of a crystal. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 607, 573-575.	0.7	43
332	The liquid handling systems for the Borexino solar neutrino detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 609, 58-78.	0.7	71
333	First limits on neutrinoless resonant $2\nu\mu$ captures in $^{136}\text{Ce}$ and new limits for other $2\nu^2$ processes in $^{136}\text{Ce}$ and $^{138}\text{Ce}$ isotopes. Nuclear Physics A, 2009, 824, 101-114.	0.6	46
334	200 days of Borexino data. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 90-95.	0.5	0
335	Gamma-ray spectrometry of ultra low levels of radioactivity within the material screening program for the GERDA experiment. Applied Radiation and Isotopes, 2009, 67, 755-758.	0.7	34
336	A new low-level $\hat{\nu}^3$ -ray spectrometry system for environmental radioactivity at the underground laboratory Felsenkeller. Applied Radiation and Isotopes, 2009, 67, 736-740.	0.7	58
337	Cosmogenic radionuclides in metals as indicator for sea level exposure history. Applied Radiation and Isotopes, 2009, 67, 750-754.	0.7	47
338	Comparison of inductively coupled mass spectrometry and ultra low-level gamma-ray spectroscopy for ultra low background material selection. Applied Radiation and Isotopes, 2009, 67, 828-832.	0.7	42
339	Ultra-sensitive in-beam $\gamma$ -ray spectroscopy for nuclear astrophysics at LUNA. European Physical Journal A, 2009, 39, 179-186.	1.0	59
340	Search for double- $\eta$ decays of $^{96}\text{Ru}$ and $^{104}\text{Ru}$ by ultra-low background HPGe $\gamma$ spectrometry. European Physical Journal A, 2009, 42, 171.	1.0	29
341	The Puerto Lpice eucrite. Meteoritics and Planetary Science, 2009, 44, 159-174.	0.7	25
342	The VIP experiment. Journal of Physics: Conference Series, 2009, 174, 012065.	0.3	0

#	ARTICLE	IF	CITATIONS
343	New experimental limit on the Pauli exclusion principle violation by electrons (the VIP experiment). Journal of Physics: Conference Series, 2009, 171, 012031.	0.3	0
344	SEARCH FOR RARE PROCESSES AT GRAN SASSO. , 2009, , .		0
345	The Benthic Boundary Layer: geochemical and oceanographic data from the GEOSTAR-2 observatory. Annals of Geophysics, 2009, 49, .	0.5	2
346	Discovery of underground argon with low level of radioactive $^{39}\text{Ar}$ and possible applications to WIMP dark matter detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 587, 46-51.	0.7	44
347	First real time detection of $^7\text{Be}$ solar neutrinos by Borexino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 658, 101-108.	1.5	192
348	Low-level gamma-ray spectrometry for analysing fusion plasma conditions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 383-393.	0.7	9
349	$^7\text{Be}$ neutron production cross section on $^{12}\text{C}$ targets. Radiation Measurements, 2008, 43, 1390-1395.	0.7	4
350	An intercomparison of Monte Carlo codes used in gamma-ray spectrometry. Applied Radiation and Isotopes, 2008, 66, 764-768.	0.7	59
351	Pulse-shape discrimination with the Counting Test Facility. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 584, 98-113.	0.7	48
352	Study of phenylxylylethane (PXE) as scintillator for low energy neutrino experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 585, 48-60.	0.7	30
353	Measurements of extremely low radioactivity levels in stainless steel for GERDA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 593, 448-453.	0.7	48
354	$^7\text{Li}$ solar axions: Preliminary results and feasibility studies. Nuclear Physics A, 2008, 806, 388-397.	0.6	40
355	The S-factor at solar energies: The prompt $\hat{I}^3$ experiment at LUNA. Nuclear Physics A, 2008, 814, 144-158.	0.6	71
356	Search for solar axions emitted in the M1-transition of $^7\text{Li}^*$ with Borexino CTF. European Physical Journal C, 2008, 54, 61-72.	1.4	26
357	Natural radioactivity of some red Mediterranean soils. Catena, 2008, 76, 22-26.	2.2	26
358	Direct Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Be} \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:multiplicator} \rangle \langle \text{mml:math} \rangle$ Solar Neutrino Flux with 192 Days of Borexino Data. Physical Review Letters, 2008, 101, 091302.	2.9	344
359	Comparison of the LUNA $^3\text{He}(\hat{I}^\pm, \hat{I}^3)$ $^7\text{Be}$ activation results with earlier measurements and model calculations. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014002.	1.4	2
360	In-vessel activation monitors in JET: Progress in modeling. Review of Scientific Instruments, 2008, 79, 10E504.	0.6	3

#	ARTICLE	IF	CITATIONS
361	Discovery of underground argon with a low level of radioactive $^{39}\text{Ar}$ and possible applications to WIMP dark matter detectors. Journal of Physics: Conference Series, 2008, 120, 042015.	0.3	9
362	Scintillator purification, detector performance and first results from Borexino. Journal of Physics: Conference Series, 2008, 120, 052017.	0.3	2
363	New results on solar neutrino fluxes from 192 days of Borexino data. Journal of Physics: Conference Series, 2008, 136, 022001.	0.3	4
364	Mega-Electron-Volt Ion Loss Measurements in JET D- $^3\text{He}$ Plasmas Using Activation Technique. Fusion Science and Technology, 2008, 53, 806-815.	0.6	7
365	First results on $^7\text{Be}$ solar neutrinos from the Borexino real time detector. Journal of Physics: Conference Series, 2008, 120, 052006.	0.3	0
366	VIP: AN EXPERIMENT TO SEARCH FOR A VIOLATION OF THE PAULI EXCLUSION PRINCIPLE. International Journal of Modern Physics A, 2007, 22, 242-248.	0.5	6
367	Experimental Search for a Violation of the Pauli Exclusion Principle for Electrons: the VIP experiment. AIP Conference Proceedings, 2007, , .	0.3	0
368	Astrophysical S factor of the $^3\text{He}(^1\pm, ^1\pm)^3\text{Be}^7$ reaction measured at low energy via detection of prompt and delayed $^1\pm$ rays. Physical Review C, 2007, 75, .	1.1	117
369	$^3\text{He}(^1\pm, ^1\pm)^3\text{Be}^7$ cross section at low energies. Physical Review C, 2007, 75, .	1.1	86
370	Publisher's Note: Astrophysical S factor of the $^3\text{He}(^1\pm, ^1\pm)^3\text{Be}^7$ reaction measured at low energy via detection of prompt and delayed $^1\pm$ rays [Phys. Rev. C 75, 065803 (2007)]. Physical Review C, 2007, 75, .	1.1	5
371	THE VIP (VIOLATION OF THE PAULI EXCLUSION PRINCIPLE) EXPERIMENT. International Journal of Quantum Information, 2007, 05, 299-304.	0.6	1
372	Archaeological Lead Findings in the Ukraine. AIP Conference Proceedings, 2007, , .	0.3	2
373	A Comparison of Low-level Gamma-spectrometers within the GERDA Collaboration. AIP Conference Proceedings, 2007, , .	0.3	4
374	New experimental limit on Pauli exclusion principle violation by electrons (VIP experiment). Journal of Physics: Conference Series, 2007, 67, 012033.	0.3	0
375	$\gamma$ -ray spectrometry of soil samples from the Provincia dell' $\text{Aquila}$ (Central Italy). Applied Radiation and Isotopes, 2007, 65, 858-865.	0.7	10
376	Intrinsic radioactivity of a crystal and decays of Eu. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 734-738.	0.7	36
377	Beta decay of $^{115}\text{In}$ to the first excited level of $^{115}\text{Sn}$ : Potential outcome for neutrino mass. Physics of Atomic Nuclei, 2007, 70, 127-132.	0.1	9
378	Low-level germanium gamma-ray spectrometry at the $^1\text{Bq/kg}$ level and future developments towards higher sensitivity. Radioactivity in the Environment, 2006, , 495-510.	0.2	54

#	ARTICLE	IF	CITATIONS
379	The VIP Experiment. AIP Conference Proceedings, 2006, , .	0.3	1
380	Neutronics experiment for the validation of activation properties of DEMO materials using real DT neutron spectrum at JET. Fusion Engineering and Design, 2006, 81, 1485-1490.	1.0	0
381	New experimental limit on the Pauli exclusion principle violation by electrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 641, 18-22.	1.5	55
382	Status of the Germanium Detector Array (GERDA) in the search of neutrinoless $\hat{1}^2\hat{1}^2$ decays of $^{76}\text{Ge}$ at LNGS. Physics of Atomic Nuclei, 2006, 69, 2101-2108.	0.1	5
383	Search for electron antineutrino interactions with the Borexino Counting Test Facility at Gran Sasso. European Physical Journal C, 2006, 47, 21-30.	1.4	18
384	Activation Measurement of the $^3\text{He}(^1\hat{1},^1\hat{1})^7\text{Be}$ Cross Section at Low Energy. Physical Review Letters, 2006, 97, 122502.	2.9	136
385	CNO and pep neutrino spectroscopy in Borexino: Measurement of the deep-underground production of cosmogenic $^{11}\text{C}$ in an organic liquid scintillator. Physical Review C, 2006, 74, .	1.1	37
386	Observation of $\hat{1}^2$ decay of $^{115}\text{In}$ to the first excited level of $^{115}\text{Sn}$ . Nuclear Physics A, 2005, 748, 333-347.	0.6	43
387	Current Status of the BOREXINO experiment. Nuclear Physics, Section B, Proceedings Supplements, 2005, 143, 21-24.	0.5	7
388	Complete results for five years of GNO solar neutrino observations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 616, 174-190.	1.5	312
389	The M-Cavern project: Underground micro-chemistry and counting at Gran Sasso National Laboratory. Nuclear Physics, Section B, Proceedings Supplements, 2005, 143, 536.	0.5	0
390	A Germanium spectrometer for routine characterisation of samples with the sensitivity of $\hat{1}^2\hat{1}^2$ -decay spectrometers. Nuclear Physics, Section B, Proceedings Supplements, 2005, 143, 564.	0.5	5
391	The GERmanium Detector Array (Gerda) for the search of neutrinoless $\hat{1}^2\hat{1}^2$ decays of $^{76}\text{Ge}$ at LNGS. Nuclear Physics, Section B, Proceedings Supplements, 2005, 145, 242-245.	0.5	84
392	The Villalbeto de la Peña meteorite fall: I. Fireball energy, meteorite recovery, strewn field, and petrography. Meteoritics and Planetary Science, 2005, 40, 795-804.	0.7	58
393	New experimental limits on violations of the Pauli exclusion principle obtained with the Borexino Counting Test Facility. European Physical Journal C, 2004, 37, 421-431.	1.4	41
394	Measurements of $^{60}\text{Co}$ in spoons activated by neutrons during the JCO criticality accident at Tokai-mura in 1999. Journal of Environmental Radioactivity, 2004, 73, 307-321.	0.9	5
395	Underground measurements of radioactivity. Applied Radiation and Isotopes, 2004, 61, 167-172.	0.7	155
396	Reference measurements of low levels of $^{60}\text{Co}$ in steel. Applied Radiation and Isotopes, 2004, 61, 207-211.	0.7	15

#	ARTICLE	IF	CITATIONS
397	Progress in GNO. Nuclear Physics, Section B, Proceedings Supplements, 2003, 118, 33-38.	0.5	66
398	A new system for the $^{222}\text{Rn}$ and $^{226}\text{Ra}$ assay of water and results in the Borexino project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 497, 407-413.	0.7	16
399	Study of neutrino electromagnetic properties with the prototype of the Borexino detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 563, 35-47.	1.5	22
400	New limits on nucleon decays into invisible channels with the BOREXINO counting test facility. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 563, 23-34.	1.5	42
401	New experimental limits on heavy neutrino mixing in $8\text{B}$ -decay obtained with the Borexino counting test facility. JETP Letters, 2003, 78, 261-266.	0.4	18
402	Science and technology of Borexino: a real-time detector for low energy solar neutrinos. Astroparticle Physics, 2002, 16, 205-234.	1.9	261
403	Measurements of extremely low radioactivity levels in BOREXINO. Astroparticle Physics, 2002, 18, 1-25.	1.9	138
404	Search for electron decay mode $e\hat{\nu}^{\uparrow}\hat{\nu}^{\downarrow} + \hat{\nu}^{\downarrow}$ with prototype of Borexino detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 525, 29-40.	1.5	38
405	RADON BACKGROUND REDUCTION AND MATERIAL SELECTION. , 2002, , .		0
406	Borexino. Nuclear Physics, Section B, Proceedings Supplements, 2001, 91, 58-65.	0.5	20
407	Experimental techniques for low energy neutrino experiments. Nuclear Physics, Section B, Proceedings Supplements, 2001, 100, 39-41.	0.5	1
408	Low level $\hat{\nu}^{\downarrow}$ -ray germanium-spectrometer to measure very low primordial radionuclide concentrations. Applied Radiation and Isotopes, 2000, 53, 191-195.	0.7	70
409	$^{222}\text{Rn}$ detection at the $\hat{\nu}^{\downarrow} 1/4 \text{Bq/m}^3$ range in nitrogen gas and a new Rn purification technique for liquid nitrogen. Applied Radiation and Isotopes, 2000, 52, 691-695.	0.7	51
410	GNO solar neutrino observations: results for GNO I. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 490, 16-26.	1.5	434
411	Light propagation in a large volume liquid scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 440, 360-371.	0.7	61
412	GALLEX solar neutrino results and status of GNO. Nuclear Physics, Section B, Proceedings Supplements, 1999, 77, 26-34.	0.5	32
413	GALLEX solar neutrino observations: results for GALLEX IV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 447, 127-133.	1.5	1,122
414	Results of the whole GALLEX experiment. Nuclear Physics, Section B, Proceedings Supplements, 1999, 70, 284-291.	0.5	11



#	ARTICLE	IF	CITATIONS
415	Performances of the CTF experiment in prospect of Borexino. Nuclear Physics, Section B, Proceedings Supplements, 1999, 70, 377-381.	0.5	3
416	Ultra-low background measurements in a large volume underground detector. Astroparticle Physics, 1998, 8, 141-157.	1.9	130
417	A large-scale low-background liquid scintillation detector: the counting test facility at Gran Sasso. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 406, 411-426.	0.7	137
418	New method for measuring ultralow levels of radioactivity. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 409, 484-487.	0.7	2
419	Final results of the $^{51}\text{Cr}$ neutrino source experiments in GALLEX. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 420, 114-126.	1.5	251
420	Measurement of the $^{14}\text{C}$ abundance in a low-background liquid scintillator. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 422, 349-358.	1.5	82
421	Verification tests of the GALLEX solar neutrino detector, with $^{71}\text{Ge}$ produced in-situ from the beta-decay of $^{71}\text{As}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 436, 158-173.	1.5	34
422	The water purification system for the low background counting test facility of the Borexino experiment at Gran Sasso. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 370, 605-608.	0.7	28
423	GALLEX solar neutrino observations: Results for GALLEX III. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 388, 384-396.	1.5	218
424	First results from the $^{51}\text{Cr}$ neutrino source experiment with the GALLEX detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 342, 440-450.	1.5	268
425	GALLEX solar neutrino observations: complete results for GALLEX II. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 237-247.	1.5	149
426	Update of GALLEX solar neutrino results and implications. Nuclear Physics, Section B, Proceedings Supplements, 1995, 38, 68-76.	0.5	13
427	The Mbale meteorite shower. Meteoritics, 1994, 29, 246-254.	1.5	46
428	GALLEX results from the first 30 solar neutrino runs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 327, 377-385.	1.5	211
429	GALLEX solar neutrino observations. The results from GALLEX I and early results from GALLEX II. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 314, 445-458.	1.5	124
430	Search for naturally occurring seaborgium with radiopure $^{116}\text{CdWO}_4$ crystal scintillators. Physica Scripta, 0, , .	1.2	0