Matthias Laubenstein

List of Publications by Year
in descending order

430 papers	15,650 citations	19657 61 h-index	22166 113 g-index
432 all docs	432 docs citations	432 times ranked	5674 citing authors

#	Article	IF	Citations
1	GALLEX solar neutrino observations: results for GALLEX IV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 447, 127-133.	4.1	1,122
2	Results on Neutrinoless Double-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>Decay of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Ge</mml:mi><mml:mprescripts /><mml:none /><mml:mn>76</mml:mn></mml:mmultiscripts></mml:math>from Phase I of the GERDA Experiment. Physical Review Letters, 2013, 111, 122503.	7.8	470
3	Precision Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Be</mml:mi><mml:mprescripts /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts></mml:math>Solar Neutrino Interaction Rate in Borexino. Physical Review Letters, 2011, 107, 141302.	7.8	441
4	GNO solar neutrino observations: results for GNO I. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 490, 16-26.	4.1	434
5	Direct Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Be</mml:mi><mml:mprescripts /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts></mml:math>Solar Neutrino Flux with 192 Days of Borexino Data. Physical Review Letters, 2008, 101, 091302.	7.8	344
6	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.	4.1	312
7	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.	1.6	292
8	First results from the 51Cr neutrino source experiment with the GALLEX detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 342, 440-450.	4.1	268
9	Science and technology of Borexino: a real-time detector for low energy solar neutrinos. Astroparticle Physics, 2002, 16, 205-234.	4.3	261
10	Final results of the 51Cr neutrino source experiments in GALLEX. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 420, 114-126.	4.1	251
11	Neutrinos from the primary protonâ€“proton fusion process in the Sun. Nature, 2014, 512, 383-386.	27.8	250
12	Improved Limit on Neutrinoless Double- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math> Decay of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Ge</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>76</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> fr	7.8	245
13	GALLEX solar neutrino observations: Results for GALLEX III. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 388, 384-396.	4.1	218
14	Measurement of the solar<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">B</mml:mi><mml:mprescripts /><mml:none /><mml:mn>8</mml:mn></mml:mmultiscripts></mml:math>neutrino rate with a liquid scintillator target and 3ÂMeV energy threshold in the Borexino detector. Physical Review D, 2010, 82, .	4.7	214
15	First Evidence of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>e</mml:mi><mml:mi>p</mml:mi></mml:math>Solar Neutrinos by Direct Detection in Borexino. Physical Review Letters, 2012, 108, 051302.	7.8	213
16	GALLEX results from the first 30 solar neutrino runs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 327, 377-385.	4.1	211
17	Final Results of GERDA on the Search for Neutrinoless Double- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î²</mml:mi></mml:mrow></mml:math> Decay. Physical Review Letters, 2020, 125, 252502.	7.8	208
18	Background-free search for neutrinoless double-Î² decay of 76Ge with GERDA. Nature, 2017, 544, 47-52.	27.8	205

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19	Final results of Borexino Phase-I on low-energy solar neutrino spectroscopy. Physical Review D, 2014, 89, .	4.7	204
20	First real time detection of 7Be solar neutrinos by Borexino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 658, 101-108.	4.1	192
21	Radar-Enabled Recovery of the Sutterâ€™s Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. Science, 2012, 338, 1583-1587.	12.6	191
22	Observation of geo-neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 299-304.	4.1	187
23	The Gerda experiment for the search of 0Î½Î²Î² decay in 76Ge. European Physical Journal C, 2013, 73, 1.	3.9	181
24	Underground measurements of radioactivity. Applied Radiation and Isotopes, 2004, 61, 167-172.	1.5	155
25	GALLEX solar neutrino observations: complete results for GALLEX II. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 237-247.	4.1	149
26	Measurements of extremely low radioactivity levels in BOREXINO. Astroparticle Physics, 2002, 18, 1-25.	4.3	138
27	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.	1.6	137
28	Activation Measurement of theHe3(Î±,Î³)Be7Cross Section at Low Energy. Physical Review Letters, 2006, 97, 122502.	7.8	136
29	Ultra-low background measurements in a large volume underground detector. Astroparticle Physics, 1998, 8, 141-157.	4.3	130
30	The large enriched germanium experiment for neutrinoless double beta decay (LEGEND). AIP Conference Proceedings, 2017, , .	0.4	126
31	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.	4.1	124
32	Asteroid 2008 TC₃â€”Almahata Sitta: A spectacular breccia containing many different ureilitic and chondritic lithologies. Meteoritics and Planetary Science, 2010, 45, 1638-1656.	1.6	118
33	AstrophysicalSfactor of theHe3(Î±,Î³)Be7reaction measured at low energy via detection of prompt and delayed Î³ rays. Physical Review C, 2007, 75, .	2.9	117
34	Development of $$^{100}hbox {Mo}$$ 100 Mo -containing scintillating bolometers for a high-sensitivity neutrinoless double-beta decay search. European Physical Journal C, 2017, 77, 785.	3.9	100
35	Probing Majorana neutrinos with double-Î² decay. Science, 2019, 365, 1445-1448.	12.6	99
36	SOX: Short distance neutrino Oscillations with BoreXino. Journal of High Energy Physics, 2013, 2013, 1.	4.7	98

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37	Performances of the new high quantum efficiency PMTs in DAMA/LIBRA. Journal of Instrumentation, 2012, 7, P03009-P03009.	1.2	95
38	Limiting neutrino magnetic moments with Borexino Phase-II solar neutrino data. Physical Review D, 2017, 96, .	4.7	94
39	Measurement of geo-neutrinos from 1353 days of Borexino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 295-300.	4.1	92
40	The projected background for the CUORE experiment. European Physical Journal C, 2017, 77, 1.	3.9	90
41	He3(Î±,Î³)Be7cross section at low energies. Physical Review C, 2007, 75, .	2.9	86
42	The GERmanium Detector Array (Gerda) for the search of neutrinoless Î²Î² decays of 76Ge at LNGS. Nuclear Physics, Section B, Proceedings Supplements, 2005, 145, 242-245.	0.4	84
43	Absence of a dayâ€“night asymmetry in the 7Be solar neutrino rate in Borexino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 22-26.	4.1	83
44	Measurement of the 14C abundance in a low-background liquid scintillator. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 422, 349-358.	4.1	82
45	Material screening and selection for XENON100. Astroparticle Physics, 2011, 35, 43-49.	4.3	81
46	Production of high purity TeO2 single crystals for the study of neutrinoless double beta decay. Journal of Crystal Growth, 2010, 312, 2999-3008.	1.5	80
47	Simultaneous precision spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math> , <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Be</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>7</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></m	4.7	80
48	Spectroscopy of geoneutrinos from 2056 days of Borexino data. Physical Review D, 2015, 92, .	4.7	77
49	Pulse shape discrimination for Gerda Phase I data. European Physical Journal C, 2013, 73, 1.	3.9	73
50	The S-factor at solar energies: The prompt Î³ experiment at LUNA. Nuclear Physics A, 2008, 814, 144-158.	1.5	71
51	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.	1.6	71
52	Mariboâ€”A new CM fall from Denmark. Meteoritics and Planetary Science, 2012, 47, 30-50.	1.6	71
53	Low level Î³-ray germanium-spectrometer to measure very low primordial radionuclide concentrations. Applied Radiation and Isotopes, 2000, 53, 191-195.	1.5	70
54	Muon and cosmogenic neutron detection in Borexino. Journal of Instrumentation, 2011, 6, P05005-P05005.	1.2	68

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55	Underground test of gravity-related wave function collapse. Nature Physics, 2021, 17, 74-78.	16.7	67
56	Progress in GNO. Nuclear Physics, Section B, Proceedings Supplements, 2003, 118, 33-38.	0.4	66
57	The background in the $$0u eta eta $$ 0 Î½ Î² Î² experiment Gerda. European Physical Journal C, 2014, 74, 1.	3.9	66
58	Radioactive contamination of ZnWO4 crystal scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 626-627, 31-38.	1.6	64
59	Cosmogenic Backgrounds in Borexino at 3800 m water-equivalent depth. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 049-049.	5.4	63
60	Lowering the radioactivity of the photomultiplier tubes for the XENON1T dark matter experiment. European Physical Journal C, 2015, 75, 1.	3.9	63
61	Results on $$eta eta $$ Î² Î² decay with emission of two neutrinos or Majorons in ^{76} 76 Ge from GERDA PhaseÂI. European Physical Journal C, 2015, 75, 1.	3.9	62
62	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.	1.6	61
63	Study of solar and other unknown anti-neutrino fluxes with Borexino at LNGS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 191-196.	4.1	60
64	Borexino calibrations: hardware, methods, and results. Journal of Instrumentation, 2012, 7, P10018-P10018.	1.2	60
65	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.	1.6	60
66	An intercomparison of Monte Carlo codes used in gamma-ray spectrometry. Applied Radiation and Isotopes, 2008, 66, 764-768.	1.5	59
67	Ultra-sensitive in-beam $ gamma$ -ray spectroscopy for nuclear astrophysics at LUNA. European Physical Journal A, 2009, 39, 179-186.	2.5	59
68	Fall, recovery, and characterization of the Novato L6 chondrite breccia. Meteoritics and Planetary Science, 2014, 49, 1388-1425.	1.6	59
69	The Villalbeto de la PeÃ±a meteorite fall: I. Fireball energy, meteorite recovery, strewn field, and petrography. Meteoritics and Planetary Science, 2005, 40, 795-804.	1.6	58
70	A new low-level Î³-ray spectrometry system for environmental radioactivity at the underground laboratory Felsenkeller. Applied Radiation and Isotopes, 2009, 67, 736-740.	1.5	58
71	Search for double <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>β</mml:mi></mml:math>decay processes in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>106</mml:mn></mml:msup></mml:math>Cd with the help of a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>106</mml:mn></mml:msup></mml:math>CdWO<mml:math	2.9	56
72	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.	4.1	55

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73	Production, characterization and operation of ^{76} 76 Ge enriched BEGe detectors in GERDA. European Physical Journal C, 2015, 75, 1.	3.9	55
74	Low-level germanium gamma-ray spectrometry at the Î¼Bq/kg level and future developments towards higher sensitivity. Radioactivity in the Environment, 2006, , 495-510.	0.2	54
75	Search for solar axions produced in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>d</mml:mi><mml:mo>,</mml:mo><mml:mmultiscripts><mml:mi>He</mml:mi><mml:mprescripts /><mml:none	4.7	54
76	Underground study of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>O</mml:mi><mml:mprescripts /><mml:none /><mml:mn>17</mml:mn></mml:mmultiscripts><mml:mrow><mml:mo>(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mm /><mml:none /><mml:mn>18</mml:mn></mml:mmultiscripts></mml:math>reaction relevant for explosive hydrogen burning. Physical Review C, 2014, 89, .	2.9	53
77	Screening of materials with high purity germanium detectors at the Laboratori Nazionali del Gran Sasso. International Journal of Modern Physics A, 2017, 32, 1743002.	1.5	52
78	Final results of the Aurora experiment to study <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>2</mml:mn><mml:mi>Î²</mml:mi></mml:mrow></mml:math> decay of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Cd</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>116</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></	4.7	52
79	222Rn detection at the Î¼Bq/m3 range in nitrogen gas and a new Rn purification technique for liquid nitrogen. Applied Radiation and Isotopes, 2000, 52, 691-695.	1.5	51
80	Low background detector with enriched¹¹⁶CdWO₄crystal scintillators to search for double Î² decay of¹¹⁶Cd. Journal of Instrumentation, 2011, 6, P08011-P08011.	1.2	51
81	First Direct Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="bold">O</mml:mi><mml:mprescripts /><mml:none /><mml:mn>17</mml:mn></mml:mmultiscripts><mml:mo stretchy="false">(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgB mathvariant="bold">F</mml:mi><mml:mprescripts /><mml:none /><mml:mn>18</mml:mn></mml:mmultiscripts></mml:math>Reaction and Its Astrophysical Implications.	1.1	49
82	Measurement of the half-life of the two-neutrino double beta decay of⁷⁶Ge with the GERDA experiment. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 035110.	3.6	49
83	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.	1.6	48
84	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.	1.6	48
85	Cosmogenic radionuclides in metals as indicator for sea level exposure history. Applied Radiation and Isotopes, 2009, 67, 750-754.	1.5	47
86	Cosmic-muon flux and annual modulation in Borexino at 3800 m water-equivalent depth. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 015-015.	5.4	47
87	The Mbale meteorite shower. Meteoritics, 1994, 29, 246-254.	1.4	46
88	First limits on neutrinoless resonant 2Îµ captures in 136Ce and new limits for other 2Î² processes in 136Ce and 138Ce isotopes. Nuclear Physics A, 2009, 824, 101-114.	1.5	46
89	New search for correlated e+e- pairs in the $ alpha$ decay of 241Am. European Physical Journal A, 2013, 49, 1.	2.5	46
90	Upgrade for PhaseÂII of the Gerda experiment. European Physical Journal C, 2018, 78, 1.	3.9	46

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91	Gator: a low-background counting facility at the Gran Sasso Underground Laboratory. Journal of Instrumentation, 2011, 6, P08010-P08010.	1.2	45
92	Discovery of underground argon with low level of radioactive 39Ar 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.	1.6	44
93	New observation of decay of 100Mo to the level of 100Ru in the ARMONIA experiment. Nuclear Physics A, 2010, 846, 143-156.	1.5	44
94	Observation of Î² decay of 115In to the first excited level of 115Sn. Nuclear Physics A, 2005, 748, 333-347.	1.5	43
95	Intrinsic radiopurity of a crystal. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 607, 573-575.	1.6	43
96	Improvement of radiopurity level of enriched 116CdWO4 and ZnWO4 crystal scintillators by recrystallization. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 833, 77-81.	1.6	43
97	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.	4.1	42
98	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.	1.5	42
99	Test of Electric Charge Conservation with Borexino. Physical Review Letters, 2015, 115, 231802.	7.8	42
100	Comprehensive geoneutrino analysis with Borexino. Physical Review D, 2020, 101, .	4.7	42
101	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.	3.9	41
102	GIOVE: a new detector setup for high sensitivity germanium spectroscopy at shallow depth. European Physical Journal C, 2015, 75, 1.	3.9	41
103	Double-beta decay investigation with highly pure enriched ^{82} 82 Se for the LUCIFER experiment. European Physical Journal C, 2015, 75, 591.	3.9	41
104	Production of 82Se enriched Zinc Selenide (ZnSe) crystals for the study of neutrinoless double beta decay. Journal of Crystal Growth, 2017, 475, 158-170.	1.5	41
105	7Li solar axions: Preliminary results and feasibility studies. Nuclear Physics A, 2008, 806, 388-397.	1.5	40
106	First observation of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î±</mml:mi></mml:mrow></mml:math>decay of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Pt</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>190</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>to the first		

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109	Intercomparison of methods for coincidence summing corrections in gamma-ray spectrometryâ€"part II (volume sources). Applied Radiation and Isotopes, 2012, 70, 2112-2118.	1.5	38
110	Radioactive contamination of SrI2(Eu) crystal scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 670, 10-17.	1.6	38
111	Search for2Î²decay ofCd106with an enrichedCd106WO4crystal scintillator in coincidence with four HPGe detectors. Physical Review C, 2016, 93, .	2.9	38
112	CNO andpepneutrino spectroscopy in Borexino: Measurement of the deep-underground production of cosmogenicC11in an organic liquid scintillator. Physical Review C, 2006, 74, .	2.9	37
113	Search for time dependence of the 137Cs decay constant. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 114-117.	4.1	37
114	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.	1.6	36
115	First search for double Î² decay of dysprosium. Nuclear Physics A, 2011, 859, 126-139.	1.5	36
116	Material radioassay and selection for the XENON1T dark matter experiment. European Physical Journal C, 2017, 77, 1.	3.9	36
117	Verification tests of the GALLEX solar neutrino detector, with 71Ge produced in-situ from the beta-decay of 71As. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 436, 158-173.	4.1	34
118	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.	1.5	34
119	Measurement of CNGS muon neutrino speed with Borexino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 401-405.	4.1	33
120	GALLEX solar neutrino results and status of GNO. Nuclear Physics, Section B, Proceedings Supplements, 1999, 77, 26-34.	0.4	32
121	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.	1.6	30
122	Improvement of the energy resolution via an optimized digital signal processing in GERDA PhaseÂI. European Physical Journal C, 2015, 75, 1.	3.9	30
123	Underground nuclear astrophysics: Why and how. European Physical Journal A, 2016, 52, 1.	2.5	30
124	The Monte Carlo simulation of the Borexino detector. Astroparticle Physics, 2018, 97, 136-159.	4.3	30
125	The SariÃ§iÃ§ek howardite fall in Turkey: Source crater of <scp>HED</scp> meteorites on Vesta and impact risk of Vestoids. Meteoritics and Planetary Science, 2019, 54, 953-1008.	1.6	30
126	Search for double- $ eta$ decays of 96Ru and 104Ru by ultra-low background HPGe $ gamma$ spectrometry. European Physical Journal A, 2009, 42, 171.	2.5	29

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127	New limits on heavy sterile neutrino mixing in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">B</mml:mi><mml:mprescripts /><mml:none /><mml:mn>8</mml:mn></mml:mmultiscripts></mml:math>decay obtained with the Borexino detector. Physical Review D, 2013, 88, .	4.7	29
128	Precise measurement of the 222Rn 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.	4.1	29
129	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.	1.6	28
130	Almahata Sittaâ€"Fragment MSâ€CH: Characterization of a new chondrite type. Meteoritics and Planetary Science, 2010, 45, 1657-1667.	1.6	28
131	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.	1.6	27
132	Jeseniceâ€"A new meteorite fall from Slovenia. Meteoritics and Planetary Science, 2011, 46, 793-804.	1.6	27
133	Cosmicâ€ray exposure ages of six chondritic Almahata Sitta fragments. Meteoritics and Planetary Science, 2017, 52, 2353-2374.	1.6	27
134	Search for solar axions emitted in the M1-transition of 7Li* with Borexino CTF. European Physical Journal C, 2008, 54, 61-72.	3.9	26
135	Natural radioactivity of some red Mediterranean soils. Catena, 2008, 76, 22-26.	5.0	26
136	First search for double- $ eta$ decay of platinum by ultra-low background HP Ge $ gamma$ spectrometry. European Physical Journal A, 2011, 47, 1.	2.5	26
137	A Search for Low-energy Neutrinos Correlated with Gravitational Wave Events GW 150914, GW 151226, and GW 170104 with the Borexino Detector. Astrophysical Journal, 2017, 850, 21.	4.5	26
138	Search for low-energy neutrinos from astrophysical sources with Borexino. Astroparticle Physics, 2021, 125, 102509.	4.3	26
139	The Puerto LÃ¡pice eucrite. Meteoritics and Planetary Science, 2009, 44, 159-174.	1.6	25
140	Search for 7Li solar axions using resonant absorption in LiF crystal: Final results. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 711, 41-45.	4.1	25
141	CdWO4 crystal scintillators from enriched isotopes for double beta decay experiments. Radiation Measurements, 2013, 56, 66-69.	1.4	25
142	Radiopurity of CaWO₄ crystals for direct dark matter search with CRESST and EURECA. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 018-018.	5.4	25
143	Intrinsic neutron background of nuclear emulsions for directional Dark Matter searches. Astroparticle Physics, 2016, 80, 16-21.	4.3	25
144	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.	4.1	24

#	Article	IF	Citations
145	Search for double beta decay of 136Ce and 138Ce with HPGe gamma detector. Nuclear Physics A, 2014, 930, 195-208.	1.5	24
146	Exploratory growth in the Li2MoO4-MoO3 system for the next crystal generation of heat-scintillation cryogenic bolometers. Solid State Sciences, 2017, 65, 41-51.	3.2	24
147	Improved measurement of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">B</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>8</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> solar neutrinos with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1.5</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>kt</	4.7	24
148	Characterization of a broad energy germanium detector and application to neutrinoless double beta decay search in⁷⁶Ge. Journal of Instrumentation, 2011, 6, P04005-P04005.	1.2	23
149	Search of Neutrinoless Double Beta Decay with the GERDA Experiment. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1876-1882.	0.5	23
150	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.	4.1	22
151	Effect of recrystallisation on the radioactive contamination of CaWO4 crystal scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 631, 44-53.	1.6	22
152	A study of the trace 39Ar content in argon from deep underground sources. Astroparticle Physics, 2015, 66, 53-60.	4.3	22
153	Cosmogenic nuclides in the KoÅ¡ice meteorite: Experimental investigations and Monte Carlo simulations. Meteoritics and Planetary Science, 2015, 50, 880-892.	1.6	22
154	Annama H chondriteâ€”Mineralogy, physical properties, cosmic ray exposure, and parent body history. Meteoritics and Planetary Science, 2017, 52, 1525-1541.	1.6	22
155	Seasonal modulation of the 7 Be solar neutrino rate in Borexino. Astroparticle Physics, 2017, 92, 21-29.	4.3	22
156	Modulations of the cosmic muon signal in ten years of Borexino data. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 046-046.	5.4	22
157	Low Background Radiation Detection Techniques and Mitigation of Radioactive Backgrounds. Frontiers in Physics, 2020, 8, .	2.1	22
158	Search for2Î²decays of96Ru and104Ru by ultralow-background HPGeÎ³spectrometry at LNGS: Final results. Physical Review C, 2013, 87, .	2.9	21
159	The Creston, California, meteorite fall and the origin of L chondrites. Meteoritics and Planetary Science, 2019, 54, 699-720.	1.6	21
160	The impact and recovery of asteroid 2018 LA. Meteoritics and Planetary Science, 2021, 56, 844-893.	1.6	21
161	Borexino. Nuclear Physics, Section B, Proceedings Supplements, 2001, 91, 58-65.	0.4	20
162	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.	1.6	20

#	Article	IF	Citations
163	The Stubenberg meteoriteâ€"An <scp>LL</scp>6 chondrite fragmental breccia recovered soon after precise prediction of the strewn field. Meteoritics and Planetary Science, 2017, 52, 1683-1703.	1.6	20
164	Experimental search for the violation of Pauli exclusion principle. European Physical Journal C, 2018, 78, 319.	3.9	20
165	First Search for Bosonic Superweakly Interacting Massive Particles with Masses up to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>MeV</mml:mi> with GERDA. Physical Review Letters, 2020, 125, 011801.	7.8	20
166	Search for double beta decay of¹¹⁶Cd with enriched¹¹⁶CdWO₄crystal scintillators (Aurora experiment). Journal of Physics: Conference Series, 2016, 718, 062009.	0.4	19
167	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.	1.5	19
168	Characterization of 30 ^{76}Ge enriched Broad Energy Ge detectors for GERDA Phase II. European Physical Journal C, 2019, 79, 978.	3.9	19
169	Sensitivity to neutrinos from the solar CNO cycle in Borexino. European Physical Journal C, 2020, 80, 1.	3.9	19
170	New experimental limits on heavy neutrino mixing in 8B-decay obtained with the Borexino counting test facility. JETP Letters, 2003, 78, 261-266.	1.4	18
171	Search for electron antineutrino interactions with the Borexino Counting Test Facility at Gran Sasso. European Physical Journal C, 2006, 47, 21-30.	3.9	18
172	Uranium groundwater anomalies and active normal faulting. Journal of Radioanalytical and Nuclear Chemistry, 2011, 288, 101-107.	1.5	18
173	Flux modulations seen by the muon veto of the Gerda experiment. Astroparticle Physics, 2016, 84, 29-35.	4.3	18
174	Search for Î± decay of naturally occurring Hf-nuclides using a Cs2HfCl6 scintillator. Nuclear Physics A, 2020, 1002, 121941.	1.5	18
175	Modeling of GERDA Phase II data. Journal of High Energy Physics, 2020, 2020, 1.	4.7	18
176	Lifetime measurements of 214Po and 212Po with the CTF liquid scintillator detector at LNGS. European Physical Journal A, 2013, 49, 1.	2.5	17
177	First search for double-Î² decay of 184Os and 192Os. European Physical Journal A, 2013, 49, 1.	2.5	17
178	2Î½Î²Î² decay of ⁷⁶Ge into excited states with GERDA phase I. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 115201.	3.6	17
179	Pulse-shape discrimination with Cs2HfCl6 crystal scintillator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 869, 63-67.	1.6	17
180	Test of the Pauli Exclusion Principle in the VIP-2 Underground Experiment. Entropy, 2017, 19, 300.	2.2	17

#	Article	IF	Citations
181	First Directional Measurement of Sub-MeV Solar Neutrinos with Borexino. Physical Review Letters, 2022, 128, 091803.	7.8	17
182	A new system for the 222Rn and 226Ra 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.	1.6	16
183	Spontaneously Emitted X-rays: An Experimental Signature of the Dynamical Reduction Models. Foundations of Physics, 2016, 46, 263-268.	1.3	16
184	Internal contamination of the Cs<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml151" display="inline" overflow="scroll" altimg="si151.gif"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>HfCl<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml152" display="inline" overflow="scroll" altimg="si152.gif"><mml:msub><mml:mrow /><mml:mrow><mml:mn>6</mml:mn></mml:mrow></mml:msub></mml:math> crystal scintillator. Nucl	1.6	16
185	The Braunschweig meteorite â˜ a recent L6 chondrite fall in Germany. Chemie Der Erde, 2017, 77, 207-224.	2.0	16
186	Reference measurements of low levels of 60Co in steel. Applied Radiation and Isotopes, 2004, 61, 207-211.	1.5	15
187	Development of radiopure cadmium tungstate crystal scintillators from enriched [sup 106]Cd and [sup 116]Cd to search for double beta decay. AIP Conference Proceedings, 2013, , .	0.4	15
188	Limit on the radiative neutrinoless double electron capture of ^{36} 36 Ar from GERDA PhaseÂI. European Physical Journal C, 2016, 76, 1.	3.9	15
189	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.	1.5	15
190	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.	1.5	14
191	Determination of 137Cs activities in surface sediments and derived sediment accumulation rates in Thessaloniki Gulf, Greece. Environmental Earth Sciences, 2012, 67, 833-843.	2.7	14
192	Testing the Pauli Exclusion Principle for Electrons. Journal of Physics: Conference Series, 2013, 447, 012070.	0.4	14
193	The VicÃªncia meteorite fall: A new unshocked (S1) weakly metamorphosed (3.2) <scp>LL</scp> chondrite. Meteoritics and Planetary Science, 2015, 50, 1089-1111.	1.6	14
194	Search for time modulations in the decay rate of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mrow /><mml:mrow><mml:mn>40</mml:mn></mml:mrow></mml:msup></mml:mrow></mml:math>K and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si13.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mrow /><mml:mrow><mml:mn>232</mml:mn></mml:mrow></mml:msup></mml:mrow></mml	4.3	14
195	Low background scintillators to investigate rare processes. Journal of Instrumentation, 2020, 15, C07037-C07037.	1.2	14
196	Update of GALLEX solar neutrino results and implications. Nuclear Physics, Section B, Proceedings Supplements, 1995, 38, 68-76.	0.4	13
197	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.	1.5	13
198	Purification of lanthanides for double beta decay experiments. AIP Conference Proceedings, 2013, , .	0.4	13

#	Article	IF	Citations
199	New limits on $2 varepsilon$ 2 É› , $varepsilon eta^{+}$ É› Î² + and $2 eta^{+}$ 2 Î² + decay of 136Ce and 138Ce with deeply purified cerium sample. European Physical Journal A, 2017, 53, 1.	2.5	13
200	Borexinoâ€™s search for low-energy neutrino and antineutrino signals correlated with gamma-ray bursts. Astroparticle Physics, 2017, 86, 11-17.	4.3	13
201	Search for time modulations in the decay constant of 40K and 226Ra at the underground Gran Sasso Laboratory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 61-65.	4.1	13
202	On the Importance of Electron Diffusion in a Bulk-Matter Test of the Pauli Exclusion Principle. Entropy, 2018, 20, 515.	2.2	13
203	New investigation of half-lives for the decay modes of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">V</mml:mi><mml:mprescripts /><mml:none /><mml:mn>50</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2019, 99, .	2.9	13
204	Constraints on flavor-diagonal non-standard neutrino interactions from Borexino Phase-II. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
205	Material radiopurity control in the XENONnT experiment. European Physical Journal C, 2022, 82, .	3.9	13
206	An innovative technique for the investigation of the 4-fold forbidden beta-decay of 50V. European Physical Journal A, 2018, 54, 1.	2.5	12
207	Novel CSL bounds from the noise-induced radiation emission from atoms. European Physical Journal C, 2021, 81, 1.	3.9	12
208	Results of the whole GALLEX experiment. Nuclear Physics, Section B, Proceedings Supplements, 1999, 70, 284-291.	0.4	11
209	Cosmicâ€ray exposure age and preatmospheric size of the Bunburra Rockhole achondrite. Meteoritics and Planetary Science, 2012, 47, 186-196.	1.6	11
210	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.	1.9	11
211	First search for 2Îµ and ÎµÎ²+ processes in 168Yb. Nuclear Physics A, 2019, 990, 64-78.	1.5	11
212	Ejbyâ€”A new H5/6 ordinary chondrite fall in Copenhagen, Denmark. Meteoritics and Planetary Science, 2019, 54, 1853-1869.	1.6	11
213	Search for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math>decay of naturally occurring osmium nuclides accompanied by<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math>quanta. Physical Review C, 2020, 102, .	2.9	11
214	-ray spectrometry of soil samples from the Provincia dellâ€™Aquila (Central Italy). Applied Radiation and Isotopes, 2007, 65, 858-865.	1.5	10
215	New Experimental Limit on the Pauli Exclusion Principle Violation by Electronsâ€”The VIP Experiment. Foundations of Physics, 2011, 41, 282-287.	1.3	10
216	EXPERIMENTAL TESTS OF QUANTUM MECHANICS PAULI EXCLUSION PRINCIPLE VIOLATION (THE VIP) Tj ETQq0 0 0 rgBT /Overlock 10 T 145-154.	1.1	10

#	Article	IF	Citations
217	First search for 2Îµ and ÎµÎ²+ decay of ¹⁶²Er and new limit on 2Î²- ^{â^'} decay of ¹⁷⁰Er to the first excited level of ¹⁷⁰Yb. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 095101.	3.6	10
218	A search for rare and induced nuclear decays in hafnium. Nuclear Physics A, 2021, 1012, 122212.	1.5	10
219	Neutrinoless Double Beta Decay with Germanium Detectors: 1026 yr and Beyond. Universe, 2021, 7, 341.	2.5	10
220	Double beta decay of 150Nd to the first excited 0+ level of Sm: Preliminary results. Nuclear Physics and Atomic Energy, 2018, 19, 95-102.	0.5	10
221	Beta decay of 115In to the first excited level of 115Sn: Potential outcome for neutrino mass. Physics of Atomic Nuclei, 2007, 70, 127-132.	0.4	9
222	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.	1.6	9
223	Discovery of underground argon with a low level of radioactive³⁹Ar and possible applications to WIMP dark matter detectors. Journal of Physics: Conference Series, 2008, 120, 042015.	0.4	9
224	The VIP Experimental Limit on the Pauli Exclusion Principle Violation by Electrons. Foundations of Physics, 2010, 40, 765-775.	1.3	9
225	Experimental tests of quantum mechanics â€“ Pauli exclusion principle violation (the VIP experiment) and future perspective. Journal of Physics: Conference Series, 2011, 306, 012036.	0.4	9
226	Radioactive contamination of 7LiI(Eu) crystal scintillators. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 704, 40-43.	1.6	9
227	Uranium, radium and tritium groundwater monitoring at INFN-Gran Sasso National Laboratory, Italy. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 585-592.	1.5	9
228	Search for 2Î²decay of116Cd with the help of enriched116CdWO4crystal scintillators. EPJ Web of Conferences, 2014, 65, 01005.	0.3	9
229	Limits on uranium and thorium bulk content in Gerda Phase I detectors. Astroparticle Physics, 2017, 91, 15-21.	4.3	9
230	Consistency test of coincidence-summing calculation methods for extended sources. Applied Radiation and Isotopes, 2020, 155, 108921.	1.5	9
231	VIP-2 â€"High-Sensitivity Tests on the Pauli Exclusion Principle for Electrons. Entropy, 2020, 22, 1195.	2.2	9
232	Calibration of the Gerda experiment. European Physical Journal C, 2021, 81, 682.	3.9	9
233	Testing the Pauli Exclusion Principle with the VIP-2 Experiment. Symmetry, 2022, 14, 893.	2.2	9
234	Experimental tests of quantum mechanics: Pauli Exclusion Principle Violation (the VIP experiment) and future perspectives. Physics Procedia, 2011, 17, 40-48.	1.2	8

#	Article	IF	Citations
235	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.	1.5	8
236	Optimization of low-background alpha spectrometers for analysis of thick samples. Applied Radiation and Isotopes, 2013, 81, 146-150.	1.5	8
237	Analysis of radioactive trace impurities with Î¼Bq-sensitivity in Borexino. International Journal of Modern Physics A, 2014, 29, 1442009.	1.5	8
238	Application of photon detectors in the VIP2 experiment to test the Pauli Exclusion Principle. Journal of Physics: Conference Series, 2016, 718, 052030.	0.4	8
239	Limits and performances of a BaWO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="mml76" display="inline" overflow="scroll" altimg="si1.gif"><mml:msub><mml:mrow /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:math>single crystal. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 901, 150-155.	1.6	8
240	First direct search for $2 epsilon$ and $ epsiloneta^{+}$ decay of 144Sm and $2 eta^{-}$ decay of 154Sm. European Physical Journal A, 2019, 55, 1.	2.5	8
241	Correlated and integrated directionality for sub-MeV solar neutrinos in Borexino. Physical Review D, 2022, 105, .	4.7	8
242	Current Status of the BOREXINO experiment. Nuclear Physics, Section B, Proceedings Supplements, 2005, 143, 21-24.	0.4	7
243	Mega-Electron-Volt Ion Loss Measurements in JET D-³He Plasmas Using Activation Technique. Fusion Science and Technology, 2008, 53, 806-815.	1.1	7
244	Ultra-low background measurements of decayed aerosol filters. Journal of Radioanalytical and Nuclear Chemistry, 2009, 282, 731-735.	1.5	7
245	Variations of cosmogenic radionuclide production rates along the meteorite orbits. Advances in Space Research, 2015, 56, 766-771.	2.6	7
246	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.	0.7	7
247	Cosmogenic Radionuclides In Meteorites and Solar Modulation of Galactic Cosmic Rays In the Internal Heliosphere. Solar System Research, 2019, 53, 98-115.	0.7	7
248	Characterization of inverted coaxial ^{76}Ge detectors in GERDA for future double-$$eta $$ decay experiments. European Physical Journal C, 2021, 81, 505.	3.9	7
249	Search for a remnant violation of the Pauli exclusion principle in a Roman lead target. European Physical Journal C, 2020, 80, 1.	3.9	7
250	Pulse shape analysis in Gerda Phase II. European Physical Journal C, 2022, 82, 284.	3.9	7
251	VIP: AN EXPERIMENT TO SEARCH FOR A VIOLATION OF THE PAULI EXCLUSION PRINCIPLE. International Journal of Modern Physics A, 2007, 22, 242-248.	1.5	6
252	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.	1.6	6

#	Article	IF	Citations
253	Limit on Neutrinoless Double Beta Decay of 76Ge by GERDA. Physics Procedia, 2015, 61, 828-837.	1.2	6
254	Investigation of double beta decay of 116Cd with the help of enriched 116CdWO4 crystal scintillators. AIP Conference Proceedings, 2015, , .	0.4	6
255	Quantum explorations: from the waltz of the Pauli exclusion principle to the rock of the spontaneous collapse. Physica Scripta, 2015, 90, 028003.	2.5	6
256	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.	1.6	6
257	Double beta decays into excited states in ¹¹⁰Pd and ¹⁰²Pd. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 115201.	3.6	6
258	Investigation of 2Î² decay of 116Cd with the help of enriched 116CdWO4 crystal scintillators. AIP Conference Proceedings, 2017, , .	0.4	6
259	GERDA results and the future perspectives for the neutrinoless double beta decay search using 76Ge. International Journal of Modern Physics A, 2018, 33, 1843004.	1.5	6
260	Investigation of ASIC-based signal readout electronics for LEGEND-1000. Journal of Instrumentation, 2020, 15, P09022-P09022.	1.2	6
261	New limits on the resonant absorption of solar axions obtained with a $$^mathbf {169}$$Tm-containing cryogenic detector. European Physical Journal C, 2020, 80, 1.	3.9	6
262	Double beta decay of ¹⁵⁰Nd to the first 0⁺ excited level of ¹⁵⁰Sm. Physica Scripta, 2021, 96, 085302.	2.5	6
263	Identification of the cosmogenic ^{11}C background in large volumes of liquid scintillators with Borexino. European Physical Journal C, 2021, 81, 1.	3.9	6
264	Measurements of 60Co in spoons activated by neutrons during the JCO criticality accident at Tokai-mura in 1999. Journal of Environmental Radioactivity, 2004, 73, 307-321.	1.7	5
265	A Germanium spectrometer for routine characterisation of samples with the sensitivity of Î²Î²-decay spectrometers. Nuclear Physics, Section B, Proceedings Supplements, 2005, 143, 564.	0.4	5
266	Status of the Germanium Detector Array (GERDA) in the search of neutrinoless Î²Î² decays of 76Ge at LNGS. Physics of Atomic Nuclei, 2006, 69, 2101-2108.	0.4	5
267	Publisher's Note: AstrophysicalSfactor of theHe3(Î±,Î³)Be7reaction measured at low energy via detection of prompt and delayed Î³ rays [Phys. Rev. C75, 065803 (2007)]. Physical Review C, 2007, 75, .	2.9	5
268	Experimental tests of Quantum Mechanics: from Pauli Exclusion Principle Violation to spontaneous collapse models. Journal of Physics: Conference Series, 2012, 361, 012006.	0.4	5
269	Fall, classification, and exposure history of the Mifflin L5 chondrite. Meteoritics and Planetary Science, 2013, 48, 641-655.	1.6	5
270	Search for double beta processes in 106Cd with enriched 106CdWO4 crystal scintillator in coincidence with four crystals HPGe detector. AIP Conference Proceedings, 2015, , .	0.4	5

#	Article	IF	Citations
271	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.	0.8	5
272	Searches for the violation of Pauli exclusion principle at LNGS in VIP(-2) experiment. Journal of Physics: Conference Series, 2016, 718, 042055.	0.4	5
273	Dry deposition velocity of 137 Cs and 134 Cs in Spain after the Fukushima Dai-Ichi Nuclear Power Plant accident. Applied Radiation and Isotopes, 2016, 109, 441-443.	1.5	5
274	Search for double $$eta $$-decay modes of ^{64}Zn using purified zinc. European Physical Journal C, 2021, 81, 1.	3.9	5
275	Measurement of ¹⁹⁰Pt 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.	1.2	5
276	Search for 2 processes in 106Cd with 106CdWO4 crystal scintillator. Functional Materials, 2015, 22, 135-139.	0.1	5
277	A Comparison of Low-level Gamma-spectrometers within the GERDA Collaboration. AIP Conference Proceedings, 2007, , .	0.4	4
278	7Be neutron production cross section on 12C targets. Radiation Measurements, 2008, 43, 1390-1395.	1.4	4
279	New results on solar neutrino fluxes from 192 days of Borexino data. Journal of Physics: Conference Series, 2008, 136, 022001.	0.4	4
280	Characterization of broad energy germanium detector (BEGe) as a candidate for the GERDA experiment. , 2009, , .		4
281	Angular distribution of proton leakage from a fusion plasma using ultra low-level Î³-ray spectrometry. Applied Radiation and Isotopes, 2010, 68, 1226-1230.	1.5	4
282	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.	1.6	4
283	Experimental investigation of the confinement of d(³He,p)Î±and d(d,p)t fusion reaction products in JET. Nuclear Fusion, 2012, 52, 083004.	3.5	4
284	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.	1.7	4
285	Purification of cerium, neodymium and gadolinium for low background experiments. EPJ Web of Conferences, 2014, 65, 04001.	0.3	4
286	First results of the experiment to search for 2Î²Î² decay of¹⁰⁶Cd with¹⁰⁶CdWO₄crystal scintillator in coincidence with four crystals HPGe detector. EPJ Web of Conferences, 2014, 65, 01004.	0.3	4
287	Solar neutrino with Borexino: Results and perspectives. Physics of Particles and Nuclei, 2015, 46, 166-173.	0.7	4
288	High Precision Test of the Pauli Exclusion Principle for Electrons. Condensed Matter, 2019, 4, 45.	1.8	4

#	Article	IF	Citations
289	Study of double-Î² decay of 150Nd to the first 0+ excited level of 150Sm. AIP Conference Proceedings, 2019, , .	0.4	4
290	A test of bolometric properties of Tm-containing crystals as a perspective detector for a solar axion search. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 949, 162924.	1.6	4
291	Searching for neutrinoless double beta decay with GERDA. Journal of Physics: Conference Series, 2020, 1342, 012005.	0.4	4
292	New experimental limits on double-beta decay of osmium. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 085104.	3.6	4
293	Development of a cryogenic In<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e413" altimg="si88.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e421" altimg="si89.svg"><mml:msub><mml:mrow /><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math> calorimeter to measure t	1.6	4
294	Arpu Kuilpu: An H5 from the outer main belt. Meteoritics and Planetary Science, 2022, 57, 1146-1157.	1.6	4
295	At the crossroad of the search for spontaneous radiation and the Orch OR consciousness theory. Physics of Life Reviews, 2022, 42, 8-14.	2.8	4
296	Performances of the CTF experiment in prospect of Borexino. Nuclear Physics, Section B, Proceedings Supplements, 1999, 70, 377-381.	0.4	3
297	In-vessel activation monitors in JET: Progress in modeling. Review of Scientific Instruments, 2008, 79, 10E504.	1.3	3
298	Recent results and future development of Borexino. Nuclear Physics, Section B, Proceedings Supplements, 2013, 235-236, 55-60.	0.4	3
299	The ArdÃ³n L6 ordinary chondrite: A longâ€hidden Spanish meteorite fall. Meteoritics and Planetary Science, 2014, 49, 1475-1484.	1.6	3
300	Testing the Pauli Exclusion Principle for Electrons at LNGS. Physics Procedia, 2015, 61, 552-559.	1.2	3
301	High sensitivity tests of the Pauli Exclusion Principle with VIP2. Journal of Physics: Conference Series, 2015, 631, 012070.	0.4	3
302	X rays on quantum mechanics: Pauli Exclusion Principle and collapse models at test. Journal of Physics: Conference Series, 2015, 631, 012068.	0.4	3
303	Short Distance Neutrino Oscillations with BoreXino: SOX. Physics Procedia, 2015, 61, 511-517.	1.2	3
304	SOX: search for short baseline neutrino oscillations with Borexino. Journal of Physics: Conference Series, 2016, 718, 062066.	0.4	3
305	Geo-neutrino results with Borexino. Journal of Physics: Conference Series, 2016, 675, 012029.	0.4	3
306	Measurement of Solar pp-neutrino flux with Borexino: results and implications. Journal of Physics: Conference Series, 2016, 675, 012027.	0.4	3

#	Article	IF	Citations
307	Collapse models tested in the LNGS underground laboratories. International Journal of Quantum Information, 2019, 17, 1941011.	1.1	3
308	Aurora experiment: Final results of studies of 116Cd 2Î² decay with enriched 116CdWO4 crystal scintillators. AIP Conference Proceedings, 2019, , .	0.4	3
309	Determining the probability of locating peaks using computerized peak-location methods in gamma-ray spectra as a function of the relative peak-area uncertainty. Applied Radiation and Isotopes, 2020, 155, 108920.	1.5	3
310	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.	1.6	2
311	Archaeological Lead Findings in the Ukraine. AIP Conference Proceedings, 2007, , .	0.4	2
312	Comparison of the LUNA³He(Î±, Î³)⁷Be activation results with earlier measurements and model calculations. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014002.	3.6	2
313	Scintillator purification, detector performance and first results from Borexino. Journal of Physics: Conference Series, 2008, 120, 052017.	0.4	2
314	Measurement of the solar 8B neutrino flux down to 2.8 MeV with Borexino. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 127-129.	0.4	2
315	Charged fusion product loss measurements using nuclear activation. Review of Scientific Instruments, 2010, 81, 10D331.	1.3	2
316	Testing the Pauli Exclusion Principle for electrons. Journal of Physics: Conference Series, 2011, 335, 012060.	0.4	2
317	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.	1.6	2
318	Borexino: recent results, detector calibration and future perspectives. Nuclear Physics, Section B, Proceedings Supplements, 2011, 217, 101-106.	0.4	2
319	Ground Gamma-ray survey by HPGe: Numerical simulations and comparison between field and laboratory measurements. , 2011, , .		2
320	Searches for neutrinoless resonant double electron captures at LNGS. Journal of Physics: Conference Series, 2012, 375, 042024.	0.4	2
321	MEASUREMENTS OF 60Co IN MASSIVE STEEL SAMPLES EXPOSED TO THE HIROSHIMA ATOMIC BOMB EXPLOSION. Health Physics, 2012, 102, 400-409.	0.5	2
322	A glimpse into the Pandora box of the quantum mechanics: The Pauli exclusion principle violation and spontaneous collapse models put at test. , 2012, , .		2
323	Validation of aerosol low-level activities by comparison with a deep underground laboratory. Applied Radiation and Isotopes, 2014, 87, 66-69.	1.5	2
324	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.	0.5	2

#	Article	IF	Citations
325	Recent Borexino results and prospects for the near future. EPJ Web of Conferences, 2016, 126, 02008.	0.3	2
326	New limits on 2Î² processes in¹⁰⁶Cd. Journal of Physics: Conference Series, 2016, 718, 062062.	0.4	2
327	CNO andpepsolar neutrino measurements and perspectives in Borexino. Journal of Physics: Conference Series, 2016, 675, 012040.	0.4	2
328	The search for sterile neutrinos with SOX-Borexino. Physics of Atomic Nuclei, 2016, 79, 1481-1484.	0.4	2
329	The X-ray machine for the examination of quantum mechanics. International Journal of Quantum Information, 2016, 14, 1640017.	1.1	2
330	SOX: Short Distance Neutrino Oscillations with Borexino. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1760-1764.	0.5	2
331	The144Ce source for SOX. Journal of Physics: Conference Series, 2016, 675, 012032.	0.4	2
332	Reference material for natural radionuclides in glass designed for underground experiments. Journal of Radioanalytical and Nuclear Chemistry, 2016, 307, 619-626.	1.5	2
333	Quantum mechanics under X-rays in the Gran Sasso underground laboratory. International Journal of Quantum Information, 2017, 15, 1740004.	1.1	2
334	Active background suppression with the liquid argon scintillation veto of GERDA Phase II. Journal of Physics: Conference Series, 2017, 888, 012238.	0.4	2
335	Recent Developments and Results on Double Beta Decays with Crystal Scintillators and HPGe Spectrometry. Universe, 2018, 4, 147.	2.5	2
336	Solar Neutrinos Spectroscopy with Borexino Phase-II. Universe, 2018, 4, 118.	2.5	2
337	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.	0.4	2
338	Underground Test of Quantum Mechanics: The VIP2 Experiment. STEAM-H: Science, Technology, Engineering, Agriculture, Mathematics & Health, 2018, , 155-168.	0.0	2
339	The Benthic Boundary Layer: geochemical and oceanographic data from the GEOSTAR-2 observatory. Annals of Geophysics, 2009, 49, .	1.0	2
340	Semi-Analytical Monte Carlo Method to Simulate the Signal of the VIP-2 Experiment. Symmetry, 2021, 13, 6.	2.2	2
341	Search for rare alpha and double beta decays of Yb isotopes to excited levels of daughter nuclei. European Physical Journal C, 2022, 82, 1.	3.9	2
342	Experimental techniques for low energy neutrino experiments. Nuclear Physics, Section B, Proceedings Supplements, 2001, 100, 39-41.	0.4	1

#	Article	IF	Citations
343	The VIP Experiment. AIP Conference Proceedings, 2006, , .	0.4	1
344	THE VIP (VIOLATION OF THE PAULI EXCLUSION PRINCIPLE) EXPERIMENT. International Journal of Quantum Information, 2007, 05, 299-304.	1.1	1
345	VIP EXPERIMENT: NEW EXPERIMENTAL LIMIT ON PAULI EXCLUSION PRINCIPLE VIOLATION BY ELECTRONS. International Journal of Modern Physics A, 2009, 24, 506-510.	1.5	1
346	New observation of 2Î²2Î½decay of¹⁰⁰Mo to the 0⁺₁level of¹⁰⁰Ru in the ARMONIA¹experiment. Journal of Physics: Conference Series, 2010, 203, 012142.	0.4	1
347	New experimental limit on the Pauli Exclusion Principle violation by electronsâ€"the VIP experiment. AIP Conference Proceedings, 2010, , .	0.4	1
348	Double Î² experiments with the help of scintillation and HPGe detectors at Gran Sasso. , 2011, , .		1
349	First evidence ofpepsolar neutrinos by direct detection in Borexino. Journal of Physics: Conference Series, 2012, 375, 042030.	0.4	1
350	Radioactivity measurements for the ERMES project at the STELLA facility. EPJ Web of Conferences, 2012, 24, 02002.	0.3	1
351	Solar neutrino results from Borexino. Nuclear Physics, Section B, Proceedings Supplements, 2013, 237-238, 104-106.	0.4	1
352	Lifetimes of 214Po and 212Po measured with Counting Test Facility at Gran Sasso National Laboratory. Journal of Environmental Radioactivity, 2014, 138, 444-446.	1.7	1
353	Neutrino measurements from the Sun and Earth: Results from Borexino. AIP Conference Proceedings, 2015, , .	0.4	1
354	Geo-neutrinos from 1353 Days with the Borexino Detector. Physics Procedia, 2015, 61, 340-344.	1.2	1
355	Experimental search for the â€œimpossible atomsâ€•Pauli Exclusion Principle violation and spontaneous collapse of the wave function at test. Journal of Physics: Conference Series, 2015, 626, 012027.	0.4	1
356	Geo-neutrinos and Borexino. Physics of Particles and Nuclei, 2015, 46, 174-181.	0.7	1
357	Overview and accomplishments of the Borexino experiment. Journal of Physics: Conference Series, 2016, 675, 012036.	0.4	1
358	High significance measurement of the terrestrial neutrino flux with the Borexino detector. Journal of Physics: Conference Series, 2016, 718, 062025.	0.4	1
359	Coordinated underground measurements of gamma-ray emitting radionuclides for plasma physics research. Applied Radiation and Isotopes, 2017, 126, 121-126.	1.5	1
360	Borexino: Recent results and future plans. Physics of Particles and Nuclei, 2017, 48, 1026-1029.	0.7	1

#	Article	IF	Citations
361	CeSOX: An experimental test of the sterile neutrino hypothesis with Borexino. Journal of Physics: Conference Series, 2017, 934, 012003.	0.4	1
362	Solar neutrino detectors as sterile neutrino hunters. Journal of Physics: Conference Series, 2017, 888, 012018.	0.4	1
363	Test of the electron stability with the Borexino detector. Journal of Physics: Conference Series, 2017, 888, 012193.	0.4	1
364	Underground tests of quantum mechanics. Whispers in the cosmic silence?. Journal of Physics: Conference Series, 2017, 880, 012045.	0.4	1
365	First results from GERDA Phase II. Journal of Physics: Conference Series, 2017, 888, 012030.	0.4	1
366	Study of the GERDA Phase II background spectrum. Journal of Physics: Conference Series, 2017, 888, 012106.	0.4	1
367	Search for the violation of Pauli Exclusion Principle at LNGS. EPJ Web of Conferences, 2018, 182, 02118.	0.3	1
368	Detector setup of the VIP2 underground experiment at LNGS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 233-234.	1.6	1
369	Characterization of vanadium of biological origin for possible applications in physics experiments. Journal of Environmental Radioactivity, 2020, 225, 106426.	1.7	1
370	An investigation of the 27 July 2018 bolide and meteorite fall over Benenitra, southwestern Madagascar. South African Journal of Science, 2021, 117, .	0.7	1
371	The M-Cavern project: Underground micro-chemistry and counting at Gran Sasso National Laboratory. Nuclear Physics, Section B, Proceedings Supplements, 2005, 143, 536.	0.4	0
372	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.	1.9	0
373	Experimental Search for a Violation of the Pauli Exclusion Principle for Electrons: the VIP experiment. AIP Conference Proceedings, 2007, , .	0.4	0
374	New experimental limit on Pauli exclusion principle violation by electrons (VIP experiment). Journal of Physics: Conference Series, 2007, 67, 012033.	0.4	0
375	First results on7Be solar neutrinos from the Borexino real time detector. Journal of Physics: Conference Series, 2008, 120, 052006.	0.4	0
376	200 days of Borexino data. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 90-95.	0.4	0
377	The VIP experiment. Journal of Physics: Conference Series, 2009, 174, 012065.	0.4	0
378	New experimental limit on the Pauli exclusion principle violation by electrons (the VIP experiment). Journal of Physics: Conference Series, 2009, 171, 012031.	0.4	0

#	Article	IF	Citations
379	SEARCH FOR RARE PROCESSES AT GRAN SASSO. , 2009, , .		0
380	Production and suppression of [sup 11]C in the solar neutrino experiment Borexino. , 2011, , .		0
381	Short Term Quality Control and Assurance in Borexino. Nuclear Physics, Section B, Proceedings Supplements, 2011, 221, 339.	0.4	0
382	Neutrino interactions at few MeV: results from Borexino at Gran Sasso. Nuclear Physics, Section B, Proceedings Supplements, 2011, 212-213, 121-127.	0.4	0
383	Experimental tests of quantum mechanics: Pauli exclusion principle violation and spontaneous collapse models. , 2012, , .		0
384	Search for doubleÎ²decay of106Cd by using isotopically enriched106CdWO4crystal scintillator. Journal of Physics: Conference Series, 2012, 375, 042021.	0.4	0
385	Uranium groundwater anomalies at LNGS: From the neutron flux background to the geodynamic processes. EPJ Web of Conferences, 2012, 24, 02003.	0.3	0
386	High precision 7Be solar neutrinos measurement and day night effect obtained with Borexino. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 692, 258-261.	1.6	0
387	Development of CdWO<inf>4</inf> crystal scintillators from enriched isotopes for 2Î²-decay experiments. , 2012, , .		0
388	Neutrinos from the sun and from radioactive sources. Nuclear Physics, Section B, Proceedings Supplements, 2013, 237-238, 77-81.	0.4	0
389	Search for rare nuclear decays with HPGe detectors at the STELLA facility of the LNGS. , 2013, , .		0
390	STUDY OF THE TIME DEPENDENCE OF RADIOACTIVITY. Acta Polytechnica, 2013, 53, 524-527.	0.6	0
391	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.	1.1	0
392	Low energy neutrinos. International Journal of Modern Physics Conference Series, 2014, 31, 1460285.	0.7	0
393	Selective precipitation of potassium in seawater samples for improving the sensitivity of plain Î³-ray spectrometry. AIP Conference Proceedings, 2015, , .	0.4	0
394	VIP 2: experimental tests of the pauli exclusion principle for electrons. Hyperfine Interactions, 2015, 233, 121-126.	0.5	0
395	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.	0.6	0
396	Recent results from Borexino. Journal of Physics: Conference Series, 2016, 718, 062059.	0.4	0

#	Article	IF	Citations
397	Short distance neutrino oscillations with Borexino. EPJ Web of Conferences, 2016, 121, 01002.	0.3	0
398	Test of the electric charge conservation law with Borexino detector. Journal of Physics: Conference Series, 2016, 675, 012025.	0.4	0
399	The high precision measurement of the¹⁴⁴Ce activity in the SOX experiment. Journal of Physics: Conference Series, 2016, 675, 012035.	0.4	0
400	First realâ€“time detection of solar pp neutrinos by Borexino. EPJ Web of Conferences, 2016, 121, 01001.	0.3	0
401	Recent results from Borexino and the first real time measure of solar pp neutrinos. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1753-1759.	0.5	0
402	Understanding the detector behavior through Montecarlo and calibration studies in view of the SOX measurement. Journal of Physics: Conference Series, 2016, 675, 012012.	0.4	0
403	Recent Results from Borexino. Journal of Physics: Conference Series, 2017, 798, 012114.	0.4	0
404	Search for neutrinoless double beta decay with GERDA phase II. AIP Conference Proceedings, 2017, , .	0.4	0
405	First results of GERDA Phase II and consistency with background models. Journal of Physics: Conference Series, 2017, 798, 012106.	0.4	0
406	VIP-2 at LNGS: An experiment on the validity of the Pauli Exclusion Principle for electrons. Journal of Physics: Conference Series, 2017, 873, 012018.	0.4	0
407	Improvements in the simulation code of the SOX experiment. Journal of Physics: Conference Series, 2017, 888, 012145.	0.4	0
408	Searching Neutrinoless Double Beta Decay with Gerda Phase II. International Journal of Modern Physics Conference Series, 2018, 46, 1860040.	0.7	0
409	VIP2 in LNGS - Testing the Pauli Exclusion Principle for electrons with high sensitivity. Journal of Physics: Conference Series, 2019, 1275, 012028.	0.4	0
410	VIP-2 - Testing spin-statistics for electrons with high sensitivity. Journal of Physics: Conference Series, 2020, 1468, 012230.	0.4	0
411	First limits on double beta decays in $$^mathbf{232}$$Th. European Physical Journal C, 2020, 80, 1.	3.9	0
412	High precision test of the Pauli Exclusion Principle for electrons. Journal of Physics: Conference Series, 2020, 1586, 012016.	0.4	0
413	The Monte Carlo simulation of the Borexino detector. Journal of Physics: Conference Series, 2020, 1342, 012035.	0.4	0
414	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.	0.4	0

#	Article	IF	Citations
415	RADON BACKGROUND REDUCTION AND MATERIAL SELECTION. , 2002, , .		0
416	Experimental Tests of Quantum Mechanics: Pauli Exclusion Principle and Spontaneous Collapse Models. Springer Proceedings in Physics, 2014, , 181-187.	0.2	0
417	Recent Borexino results and perspectives of the SOX measurement. EPJ Web of Conferences, 2018, 182, 02099.	0.3	0
418	Solar neutrino physics with Borexino. , 2019, , .		0
419	Testing the Pauli Exclusion Principle in the Cosmic Silence. Acta Physica Polonica B, 2020, 51, 97.	0.8	0
420	New Concepts in Tests of the Pauli Exclusion Principle in Bulk Matter. Acta Physica Polonica B, 2020, 51, 91.	0.8	0
421	The study of solar neutrinos and of non-standard neutrino interactions with Borexino. Journal of Physics: Conference Series, 2020, 1468, 012192.	0.4	0
422	A new limit on the resonant absorption of solar axions obtained via 169Tm-containing bolometer. Journal of Physics: Conference Series, 2021, 2103, 012142.	0.4	0
423	Search for low-energy signals from fast radio bursts with the Borexino detector. European Physical Journal C, 2022, 82, 1.	3.9	0
424	Solar and geoneutrinos. Journal of Physics: Conference Series, 2021, 2156, 012002.	0.4	0
425	Î³-ray high sensitivity tests of Collapse Models. Journal of Physics: Conference Series, 2021, 2156, 012167.	0.4	0
426	First Cherenkov directional detection of sub-MeV solar neutrinos in Borexino. Journal of Physics: Conference Series, 2021, 2156, 012111.	0.4	0
427	Observation of CNO cycle solar neutrinos in Borexino. Journal of Physics: Conference Series, 2021, 2156, 012128.	0.4	0
428	Analysis methods used and planned for VIP-2. EPJ Web of Conferences, 2022, 262, 01022.	0.3	0
429	Investigation on Rare Nuclear Processes in Hf Nuclides. Radiation, 2022, 2, 234-247.	1.4	0
430	Search for naturally occurring seaborgium with radiopure ¹¹⁶CdWO₄ crystal scintillators. Physica Scripta, 0, , .	2.5	0