

# Luciano Pandola

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8553885/publications.pdf>

Version: 2024-02-01

184  
papers

13,155  
citations

94269

37  
h-index

22102

113  
g-index

185  
all docs

185  
docs citations

185  
times ranked

13519  
citing authors

#	ARTICLE	IF	CITATIONS
1	annel experimental and theoretical constraints for the $\langle \text{mml:math} \text{xmlns:mml=} \text{http://www.w3.org/1998/Math/MathML} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Cd} \langle / \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle / \rangle \langle \text{mml:none} \rangle$		

#	ARTICLE	IF	CITATIONS
19	Recent results for the one-proton transfer reaction in the $^{18}\text{O}+^{48}\text{Ti}$ collision at 275 MeV. EPJ Web of Conferences, 2021, 252, 04002.	0.1	0
20	Recent experimental activity on heavy-ion induced reactions within the NUMEN project. EPJ Web of Conferences, 2021, 252, 04001.	0.1	0
21	$\langle \sigma \rangle$ for the $^{18}\text{O}+^{76}\text{Ge}$ elastic and inelastic scattering at 275 MeV. Physical Review C, 2021, 104, .	1.1	16
22	The NUMEN Technical Design Report. International Journal of Modern Physics A, 2021, 36, .	0.5	21
23	$^{18}\text{O}$ -induced single-nucleon transfer reactions on $^{40}\text{Ca}$ at $^{18}\text{O}$ energies up to 116 MeV. Physical Review C, 2021, 104, .	1.1	19
24	Performance of the ReD TPC, a novel double-phase LAr detector with silicon photomultiplier readout. European Physical Journal C, 2021, 81, 1.	1.4	6
25	Analysis of the background on cross section measurements with the MAGNEX spectrometer: The $(^{20}\text{Ne}, ^{20}\text{O})$ Double Charge Exchange case. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 980, 164500.	1.1	42
26	Analysis of the background on cross section measurements with the MAGNEX spectrometer: The $(^{20}\text{Ne}, ^{20}\text{O})$ Double Charge Exchange case. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 980, 164500.	0.7	24
27	Recent results on heavy-ion direct reactions of interest for $0^+ \rightarrow 1^+ \rightarrow 2^+$ decay at INFN - LNS. Journal of Physics: Conference Series, 2020, 1610, 012004.	0.3	0
28	The NUMEN Heavy Ion Multidetector for a Complementary Approach to the Neutrinoless Double Beta Decay. Universe, 2020, 6, 129.	0.9	26
29	Neutron radiation effects on an electronic system on module. Review of Scientific Instruments, 2020, 91, 083301.	0.6	7
30	Final Results of GERDA on the Search for Neutrinoless Double- $\beta$ Decay. Physical Review Letters, 2020, 125, 252502.	2.9	208
31	First comparison of GEANT4 hadrontherapy physics model with experimental data for a NUMEN project reaction case. European Physical Journal A, 2020, 56, 1.	1.0	10
32	Preliminary results in using Deep Learning to emulate BLOB, a nuclear interaction model. Physica Medica, 2020, 73, 65-72.	0.4	5
33	Design and construction of a new detector to measure ultra-low radioactive-isotope contamination of argon. Journal of Instrumentation, 2020, 15, P02024-P02024.	0.5	19
34	First Search for Bosonic Superweakly Interacting Massive Particles with Masses up to $1 < m < 20$ MeV, with GERDA. Physical Review Letters, 2020, 125, 011801.	2.9	20
35	Searching for neutrinoless double beta decay with GERDA. Journal of Physics: Conference Series, 2020, 1342, 012005.	0.3	4
36	Modeling of GERDA Phase II data. Journal of High Energy Physics, 2020, 2020, 1.	1.6	18

#	ARTICLE	IF	CITATIONS
37	Monte Carlo implementation of new algorithms for the evaluation of averaged-dose and -track linear energy transfers in 62 MeV clinical proton beams. <i>Physics in Medicine and Biology</i> , 2020, 65, 235043.	1.6	16
38	Recent results on heavy-ion induced reactions of interest for neutrinoless double beta decay at INFN-LNS. <i>Journal of Physics: Conference Series</i> , 2020, 1643, 012074.	0.3	1
39	Geant4 electromagnetic physics progress. <i>EPJ Web of Conferences</i> , 2020, 245, 02009.	0.1	4
40	Background estimate in heavy-ion two-body reactions measured by the MAGNEX spectrometer. <i>Journal of Physics: Conference Series</i> , 2020, 1643, 012019.	0.3	0
41	Validation of Geant4 Nuclear Reaction Models for Hadron Therapy and Preliminary Results with BLOB. <i>IFMBE Proceedings</i> , 2019, , 675-685.	0.2	4
42	Numerical simulation of novel concept 4D cardiac microtomography for small rodents based on all-optical Thomson scattering X-ray sources. <i>Scientific Reports</i> , 2019, 9, 8439.	1.6	8
43	Recent results on Heavy-Ion induced reactions of interest for $0^1_2\hat{1}^2\hat{1}^2$ decay. <i>Journal of Physics: Conference Series</i> , 2019, 1308, 012002.	0.3	0
44	Preliminary results coupling "Stochastic Mean Field" and "Boltzmann-Langevin One Body" models with Geant4. <i>Physica Medica</i> , 2019, 67, 116-122.	0.4	7
45	The NUMEN project @ LNS: Status and perspectives. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	1
46	Probing Majorana neutrinos with double- $\hat{1}^2$ decay. <i>Science</i> , 2019, 365, 1445-1448.	6.0	99
47	Recoil Directionality Experiment. <i>EPJ Web of Conferences</i> , 2019, 209, 01031.	0.1	0
48	New experimental campaign of NUMEN project. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
49	The NUMEN project @ LNS: Status and perspectives. <i>AIP Conference Proceedings</i> , 2019, , .	0.3	0
50	$\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Ne} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Ge} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ elastic and inelastic scattering at 306 MeV. <i>Physical Review C</i> , 2019, 100, .	1.1	36
51	Charge-state distributions of $^{20}\text{Ne}$ ions emerging from thin foils. <i>Results in Physics</i> , 2019, 13, 102191.	2.0	22
52	Directional dark matter detection sensitivity of a two-phase liquid argon detector. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019, 2019, 014-014.	1.9	8
53	Radiobiological quantities in proton-therapy: Estimation and validation using Geant4-based Monte Carlo simulations. <i>Physica Medica</i> , 2019, 58, 72-80.	0.4	10
54	Characterization of $^{76}\text{Ge}$ enriched Broad Energy Ge detectors for GERDA Phase II. <i>European Physical Journal C</i> , 2019, 79, 978.	1.4	19

#	ARTICLE	IF	CITATIONS
55	Recent results on heavy-ion induced reactions of interest for neutrinoless double beta decay at INFN-LNS. EPJ Web of Conferences, 2019, 223, 01009.	0.1	0
56	Measurement of the ion fraction and mobility of $^{218}\text{Po}$ produced in $^{222}\text{Rn}$ decays in liquid argon. Journal of Instrumentation, 2019, 14, P11018-P11018.	0.5	2
57	Particles Simulation Through Matter in Medical Physics Using the Geant4 Toolkit: From Conventional to Laser-Driven Hadrontherapy. Springer Proceedings in Physics, 2019, , 187-208.	0.1	0
58	GERDA results and the future perspectives for the neutrinoless double beta decay search using $^{76}\text{Ge}$ . International Journal of Modern Physics A, 2018, 33, 1843004.	0.5	6
59	Improved Limit on Neutrinoless Double-Beta Decay of $^{76}\text{Ge}$ $I^2 < \frac{1}{\epsilon^2} \frac{N_{\text{obs}}}{N_{\text{th}}} < \frac{1}{\epsilon^2} \frac{N_{\text{obs}}}{N_{\text{th}}} < \frac{1}{\epsilon^2} \frac{N_{\text{obs}}}{N_{\text{th}}}$	0.3	245
60	The nuclear matrix elements of $0^+ \rightarrow 2^+$ decay and the NUMEN project at INFN-LNS. EPJ Web of Conferences, 2018, 194, 02001.	0.1	1
61	Experimental challenges for the measurement of the $^{116}\text{Cd}(\text{Ne}, \text{O})^{116}\text{Sn}$ double charge exchange reaction at 15 A MeV. Journal of Physics: Conference Series, 2018, 1023, 012006.	0.3	0
62	Data reduction for experimental measurements within the NUMEN project. Journal of Physics: Conference Series, 2018, 1056, 012010.	0.3	0
63	Focal plane detector optical readout. Journal of Physics: Conference Series, 2018, 1056, 012023.	0.3	0
64	DarkSide-50 532-day dark matter search with low-radioactivity argon. Physical Review D, 2018, 98, .	1.6	147
65	Virtual depth by active background suppression: revisiting the cosmic muon induced background of Gerda Phase III. European Physical Journal C, 2018, 78, 1.	1.4	11
66	Upgrade for Phase III of the Gerda experiment. European Physical Journal C, 2018, 78, 1.	1.4	46
67	Measuring nuclear reaction cross sections to extract information on neutrinoless double beta decay. Journal of Physics: Conference Series, 2018, 966, 012021.	0.3	1
68	Experimental challenges in the measurement of double charge exchange reactions within the NUMEN project. Journal of Physics: Conference Series, 2018, 1078, 012008.	0.3	1
69	Constraints on Sub-GeV Dark-Matter "Electron Scattering from the DarkSide-50 Experiment. Physical Review Letters, 2018, 121, 111303.	2.9	179
70	Experimental issues for the measurement of the double charge exchange reactions within the NUMEN project. Journal of Physics: Conference Series, 2018, 1056, 012011.	0.3	0
71	Heavy-ion particle identification for the transfer reaction channels for the system $^{18}\text{O} + ^{116}\text{Sn}$ under the NUMEN Project. Journal of Physics: Conference Series, 2018, 1056, 012015.	0.3	0
72	Challenges for high rate signal processing for the NUMEN experiment. Journal of Physics: Conference Series, 2018, 1056, 012034.	0.3	5

#	ARTICLE	IF	CITATIONS
73	Searching Neutrinoless Double Beta Decay with Gerda Phase II. International Journal of Modern Physics Conference Series, 2018, 46, 1860040.	0.7	0
74	The NUMEN project: NUclear Matrix Elements for Neutrinoless double beta decay. European Physical Journal A, 2018, 54, 1.	1.0	146
75	DarkSide-20k: A 20 tonne two-phase LAr TPC for direct dark matter detection at LNGS. European Physical Journal Plus, 2018, 133, 1.	1.2	247
76	Low-Mass Dark Matter Search with the DarkSide-50 Experiment. Physical Review Letters, 2018, 121, 081307.	2.9	259
77	Electroluminescence pulse shape and electron diffusion in liquid argon measured in a dual-phase TPC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 904, 23-34.	0.7	13
78	First Measurement of the $^{116}\text{Cd}(^{20}\text{Ne},^{20}\text{O})^{116}\text{Sn}$ Reaction at 15, \$A\$, MeV. Acta Physica Polonica B, 2018, 49, 275.	0.3	37
79	Limits on uranium and thorium bulk content in Gerda Phase I detectors. Astroparticle Physics, 2017, 91, 15-21.	1.9	9
80	Background-free search for neutrinoless double- $\beta^2$ decay of $^{76}\text{Ge}$ with GERDA. Nature, 2017, 544, 47-52.	13.7	205
81	Allowing for crystalline structure effects in Geant4. Nuclear Instruments & Methods in Physics Research B, 2017, 402, 304-307.	0.6	9
82	Abstract ID: 61 Validation of Geant4 nuclear reaction models for hadrontherapy and preliminary results with SMF and Blob. Physica Medica, 2017, 42, 12.	0.4	0
83	Validation of Geant4 fragmentation for Heavy Ion Therapy. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 869, 68-75.	0.7	34
84	The NUMEN project @ LNS: Status and perspectives. AIP Conference Proceedings, 2017, , .	0.3	1
85	Search for neutrinoless double beta decay with GERDA phase II. AIP Conference Proceedings, 2017, , .	0.3	0
86	First results of GERDA Phase II and consistency with background models. Journal of Physics: Conference Series, 2017, 798, 012106.	0.3	0
87	Recoil Directionality Studies in Two-Phase Liquid Argon TPC Detectors. EPJ Web of Conferences, 2017, 164, 07036.	0.1	0
88	Recent progress of GEANT4 electromagnetic physics for LHC and other applications. Journal of Physics: Conference Series, 2017, 898, 042032.	0.3	11
89	Cryogenic Characterization of FBK RGB-HD SiPMs. Journal of Instrumentation, 2017, 12, P09030-P09030.	0.5	16
90	The large enriched germanium experiment for neutrinoless double beta decay (LEGEND). AIP Conference Proceedings, 2017, , .	0.3	126

#	ARTICLE	IF	CITATIONS
91	First results from GERDA Phase II. Journal of Physics: Conference Series, 2017, 888, 012030.	0.3	1
92	Active background suppression with the liquid argon scintillation veto of GERDA Phase II. Journal of Physics: Conference Series, 2017, 888, 012238.	0.3	2
93	Study of the GERDA Phase II background spectrum. Journal of Physics: Conference Series, 2017, 888, 012106.	0.3	1
94	NUMEN Project @ LNS : Heavy Ions Double Charge Exchange as a tool towards the $0\nu^{1/2}\hat{1}^2$ Nuclear Matrix Element. Journal of Physics: Conference Series, 2016, 724, 012001.	0.3	0
95	Neutron decay of the Giant Pairing Vibration in $^{15}\text{C}$ . Journal of Physics: Conference Series, 2016, 724, 012006.	0.3	0
96	Recent developments in Geant4. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 835, 186-225.	0.7	2,327
97	The nuclear matrix elements of $0\nu^{1/2}\hat{1}^2$ decay and the NUMEN project at INFN-LNS. EPJ Web of Conferences, 2016, 117, 10003.	0.1	2
98	Silicon carbide detectors study for NUMEN project. EPJ Web of Conferences, 2016, 117, 10006.	0.1	27
99	Flux modulations seen by the muon veto of the Gerda experiment. Astroparticle Physics, 2016, 84, 29-35.	1.9	18
100	Neutron decay of $^{15}\text{C}$ resonances by measurements of neutron time-of-flight. Physical Review C, 2016, 93, .	1.1	38
101	Search of Neutrinoless Double Beta Decay with the GERDA Experiment. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1876-1882.	0.2	23
102	The nuclear matrix elements of $0\nu^{1/2}\hat{1}^2$ decay and the NUMEN project at INFN-LNS. Journal of Physics: Conference Series, 2016, 730, 012006.	0.3	1
103	Limit on the radiative neutrinoless double electron capture of $^{36}\text{Ar}$ from GERDA Phase II. European Physical Journal C, 2016, 76, 1.	1.4	15
104	Experimental and analysis methods in radiochemical experiments. European Physical Journal A, 2016, 52, 1.	1.0	0
105	NUMEN Project @ LNS : Heavy ions double charge exchange reactions towards the $0\nu^{1/2}\hat{1}^2$ nuclear matrix element determination. AIP Conference Proceedings, 2015, , .	0.3	1
106	Limit on Neutrinoless Double Beta Decay of $^{76}\text{Ge}$ by GERDA. Physics Procedia, 2015, 61, 828-837.	1.2	6
107	Results on $^{76}\text{Ge}$ $\hat{1}^2$ decay with emission of two neutrinos or Majorons in $^{76}\text{Ge}$ from GERDA Phase II. European Physical Journal C, 2015, 75, 1.	1.4	62
108	Progress in Geant4 Electromagnetic Physics Modelling and Validation. Journal of Physics: Conference Series, 2015, 664, 072021.	0.3	13

#	ARTICLE	IF	CITATIONS
109	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
110	$2\nu\beta\beta$ 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
111	Validation of the Geant4 simulation of bremsstrahlung from thick targets below 3 MeV. Nuclear Instruments & Methods in Physics Research B, 2015, 350, 41-48.	0.6	33
112	Production, characterization and operation of $^{76}\text{Ge}$ enriched BEGe detectors in GERDA. European Physical Journal C, 2015, 75, 1.	1.4	55
113	Fragmentation cross sections at intermediate energies for hadrontherapy and space radiation protection. EPJ Web of Conferences, 2014, 66, 10004.	0.1	0
114	Nuclear reaction measurements on tissue-equivalent materials and GEANT4 Monte Carlo simulations for hadrontherapy. Physics in Medicine and Biology, 2014, 59, 7643-7652.	1.6	12
115	Measurement of Fragment Production Cross Sections in the $^{12}\text{C}+^{12}\text{C}$ and $^{12}\text{C}+^{197}\text{Au}$ Reactions at 62 MeV for Hadrontherapy and Space Radiation Protection. Acta Physica Polonica B, 2014, 45, 565.	0.3	0
116	Status of double beta decay experiments using isotopes other than $^{136}\text{Xe}$ . Physics of the Dark Universe, 2014, 4, 17-22.	1.8	6
117	The background in the $^{0\nu}\eta\eta$ experiment Gerda. European Physical Journal C, 2014, 74, 1.	1.4	66
118	Geant4 Electromagnetic Physics for LHC Upgrade. Journal of Physics: Conference Series, 2014, 513, 022015.	0.3	5
119	Geant4 electromagnetic physics: improving simulation performance and accuracy. , 2014, , .		8
120	Pulse shape discrimination for Gerda Phase I data. European Physical Journal C, 2013, 73, 1.	1.4	73
121	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
122	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
123	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
124	Nuclear fragmentation measurements for hadrontherapy and space radiation protection. , 2013, , .		0
125	Preface: IV Workshop in Low Radioactivity Techniques 2013 (LRT 2013). , 2013, , .		0
126	HEROICA: an underground facility for the fast screening of germanium detectors. Journal of Instrumentation, 2013, 8, P06012-P06012.	0.5	14



#	ARTICLE	IF	CITATIONS
127	Geant4 electromagnetic physics for high statistic simulation of LHC experiments. Journal of Physics: Conference Series, 2012, 396, 022013.	0.3	15
128	Off-line data quality monitoring for the GERDA experiment. Journal of Physics: Conference Series, 2012, 375, 042028.	0.3	2
129	Off-line data processing and analysis for the GERDA experiment. Journal of Physics: Conference Series, 2012, 368, 012047.	0.3	25
130	The MGDO software library for data analysis in Ge neutrinoless double-beta decay experiments. Journal of Physics: Conference Series, 2012, 375, 042027.	0.3	4
131	Demonstration and comparison of photomultiplier tubes at liquid Argon temperature. Journal of Instrumentation, 2012, 7, P01016-P01016.	0.5	15
132	Carbon fragmentation measurements and validation of the Geant4 nuclear reaction models for hadrontherapy. Physics in Medicine and Biology, 2012, 57, 7651-7671.	1.6	53
133	Procurement, production and testing of BEGe detectors depleted in $^{76}\text{Ge}$ . Nuclear Physics, Section B, Proceedings Supplements, 2012, 229-232, 489.	0.5	3
134	Test and Comparison of Photomultiplier Tubes at Liquid Argon Temperature. Physics Procedia, 2012, 37, 1087-1094.	1.2	0
135	Neutron to Gamma Pulse Shape Discrimination in Liquid Argon Detectors with High Quantum Efficiency Photomultiplier Tubes. Physics Procedia, 2012, 37, 1113-1121.	1.2	4
136	Measuring the $^{14}\text{C}$ isotope concentration in a liquid organic scintillator at a small-volume setup. Instruments and Experimental Techniques, 2012, 55, 34-37.	0.1	9
137	MaGe-a Geant4-Based Monte Carlo Application Framework for Low-Background Germanium Experiments. IEEE Transactions on Nuclear Science, 2011, 58, 1212-1220.	1.2	120
138	Overview of the European Underground Facilities. , 2011, , .		10
139	Signal modeling of high-purity Ge detectors with a small read-out electrode and application to neutrinoless double beta decay search in $^{76}\text{Ge}$ . Journal of Instrumentation, 2011, 6, P03005-P03005.	0.5	30
140	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
141	The WArP Experiment. Journal of Physics: Conference Series, 2011, 308, 012005.	0.3	9
142	First physics results from WARP 2.3 litre prototype. Nuclear Physics, Section B, Proceedings Supplements, 2011, 221, 53-56.	0.5	2
143	Search for the neutrinoless $\hat{2}\hat{2}$ decay in $^{76}\text{Ge}$ with the GERDA experiment. Nuclear Physics, Section B, Proceedings Supplements, 2011, 221, 382.	0.5	1
144	GELATIO: a general framework for modular digital analysis of high-purity Ge detector signals. Journal of Instrumentation, 2011, 6, P08013-P08013.	0.5	28

#	ARTICLE	IF	CITATIONS
145	Recent Improvements in Geant4 Electromagnetic Physics Models and Interfaces. Progress in Nuclear Science and Technology, 2011, 2, 898-903.	0.3	87
146	Oxygen contamination in liquid Argon: combined effects on ionization electron charge and scintillation light. Journal of Instrumentation, 2010, 5, P05003-P05003.	0.5	44
147	The WArP experiment. Journal of Physics: Conference Series, 2010, 203, 012006.	0.3	20
148	Effects of Nitrogen contamination in liquid Argon. Journal of Instrumentation, 2010, 5, P06003-P06003.	0.5	53
149	Validation of the Geant4 electromagnetic photon cross-sections for elements and compounds. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 618, 315-322.	0.7	86
150	Characterization of broad energy germanium detector (BEGe) as a candidate for the GERDA experiment. , 2009, , .		4
151	Effects of Nitrogen and Oxygen contaminations in liquid Argon. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 607, 169-172.	0.7	11
152	Effects of Nitrogen and Oxygen contamination in liquid Argon. Nuclear Physics, Section B, Proceedings Supplements, 2009, 197, 70-73.	0.5	24
153	Spectroscopic performances of the GERDA cryogenic Charge Sensitive Amplifier based on JFET-CMOS ASIC, coupled to germanium detectors. , 2009, , .		2
154	Discovery of underground argon with low level of radioactive <sup>39</sup> 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
155	First results from a dark matter search with liquid argon at 87K in the Gran Sasso underground laboratory. Astroparticle Physics, 2008, 28, 495-507.	1.9	153
156	Neutron- and muon-induced background in underground physics experiments. European Physical Journal A, 2008, 36, 171-180.	1.0	35
157	New Geant4 developments for doppler broadening simulation in Compton scattering - development of charge transfer simulation models in Geant4. , 2008, , .		4
158	Discovery of underground argon with a low level of radioactive <sup>39</sup> Ar and possible applications to WIMP dark matter detectors. Journal of Physics: Conference Series, 2008, 120, 042015.	0.3	9
159	Muon-induced signals and isotope production in the GERDA experiment. AIP Conference Proceedings, 2007, , .	0.3	0
160	-ray spectrometry of soil samples from the Provincia dell'€™Aquila (Central Italy). Applied Radiation and Isotopes, 2007, 65, 858-865.	0.7	10
161	Measurement of the specific activity of <sup>39</sup> Ar in natural argon. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 574, 83-88.	0.7	91
162	Monte Carlo evaluation of the muon-induced background in the GERDA double beta decay experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 570, 149-158.	0.7	29

#	ARTICLE	IF	CITATIONS
163	Background reduction in neutrinoless double beta decay experiments using segmented detectorsâ€”A Monte Carlo study for the GERDA setup. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 570, 479-486.	0.7	32
164	The GERmanium Detector Array read-out: Status and developments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 572, 479-480.	0.7	5
165	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
166	MaGe: a Monte Carlo framework for the Gerda and Majorana double beta decay experiments. Journal of Physics: Conference Series, 2006, 39, 362-362.	0.3	24
167	The BNOâ€”LNGS joint measurement of the solar neutrino capture rate in $^{71}\text{Ga}$ . Astroparticle Physics, 2006, 25, 349-354.	1.9	12
168	Geant4 and its validation. Nuclear Physics, Section B, Proceedings Supplements, 2006, 150, 44-49.	0.5	46
169	Geant4 developments and applications. IEEE Transactions on Nuclear Science, 2006, 53, 270-278.	1.2	4,869
170	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
171	Validation of Geant4 Bremsstrahlung models: first results. , 2006, , .		5
172	GERDA, a GERmanium Detector Array for the search for neutrinoless $\hat{1}^2\hat{1}^2$ decay in $^{76}\text{Ge}$ . AIP Conference Proceedings, 2006, , .	0.3	2
173	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
174	Results of the LENS pilot experiment at Gran Sasso. Nuclear Physics, Section B, Proceedings Supplements, 2005, 143, 559.	0.5	4
175	The GNO experiment. Nuclear Physics, Section B, Proceedings Supplements, 2005, 143, 560.	0.5	1
176	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
177	Comparison of Geant4 electromagnetic physics models against the NIST reference data. IEEE Transactions on Nuclear Science, 2005, 52, 910-918.	1.2	160
178	Response of low-noise miniaturized proportional counters in the keV region. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 541, 566-573.	0.7	1
179	Results from radiochemical experiments with main emphasis on the gallium ones. Nuclear Physics, Section B, Proceedings Supplements, 2005, 143, 3-12.	0.5	32
180	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

#	ARTICLE	IF	CITATIONS
181	Neural network pulse shape analysis for proportional counters events. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 522, 521-528.	0.7	10
182	Search for time modulations in the Gallex/GNO solar neutrino data. Astroparticle Physics, 2004, 22, 219-226.	1.9	17
183	Gallium neutrino observatory: data analysis improvements and systematic error reduction. Nuclear Physics, Section B, Proceedings Supplements, 2003, 118, 445.	0.5	0
184	Geant4 low energy electromagnetic physics. , 0, , .		93