

Giuseppe Gallo

List of Publications by Year in descending order

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papers

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54
all docs

54
docs citations

54
times ranked

352
citing authors

#	ARTICLE	IF	CITATIONS
1	The NUMEN project: Nuclear Matrix Elements for Neutrinoless double beta decay. European Physical Journal A, 2018, 54, 1.	1.0	146
2	Analysis of two-nucleon transfer reactions in the $^{20}\text{Ne} + ^{116}\text{Cd}$ system at 306 MeV. Physical Review C, 2020, 102, .	1.1	42
3	First Measurement of the $^{116}\text{Cd}(\alpha, n)^{119}\text{Sn}$ Reaction at 15,5 MeV. Acta Physica Polonica B, 2018, 49, 275.	0.3	37
4	First Measurement of the $^{116}\text{Cd}(\alpha, n)^{119}\text{Sn}$ Reaction at 15,5 MeV. Acta Physica Polonica B, 2018, 49, 275.	1.1	36
5	Muographic monitoring of the volcano-tectonic evolution of Mount Etna. Scientific Reports, 2020, 10, 11351.	1.6	31
6	The MEV project: Design and testing of a new high-resolution telescope for muography of Etna Volcano. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 904, 195-201.	0.7	25
7	Analysis of the background on cross section measurements with the MAGNEX spectrometer: The (20Ne, 20O) 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
8	Charge-state distributions of ^{20}Ne ions emerging from thin foils. Results in Physics, 2019, 13, 102191.	2.0	22
9	Design and characterisation of a real time proton and carbon ion radiography system based on scintillating optical fibres. Physica Medica, 2016, 32, 1124-1134.	0.4	14
10	The Muon Portal Project: Commissioning of the full detector and first results. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 912, 16-19.	0.7	11
11	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
12	Feasibility Study of a New Cherenkov Detector for Improving Volcano Muography. Sensors, 2019, 19, 1183.	2.1	8
13	Improvements of data analysis and self-consistent monitoring methods for the MEV telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 958, 162052.	0.7	7
14	Neutron radiation effects on an electronic system on module. Review of Scientific Instruments, 2020, 91, 083301.	0.6	7
15	QBeRT: an innovative instrument for qualification of particle beam in real-time. Journal of Instrumentation, 2016, 11, C11014-C11014.	0.5	6
16	Investigation of the cosmic ray angular distribution and the East-West effect near the top of Etna volcano with the MEV telescope. European Physical Journal Plus, 2020, 135, 1.	1.2	6
17	NURE: An ERC project to study nuclear reactions for neutrinoless double beta decay. , 2017, , .		6
18	Mini-phoswich and SiPM for heavy ion detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 912, 128-131.	0.7	5

#	ARTICLE	IF	CITATIONS
19	Challenges for high rate signal processing for the NUMEN experiment. Journal of Physics: Conference Series, 2018, 1056, 012034.	0.3	5
20	Muography as a new complementary tool in monitoring volcanic hazard: implications for early warning systems. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2021, 477, .	1.0	4
21	An Innovative Proton Tracking System for Qualification of Particle Beam in Real-Time. IEEE Transactions on Radiation and Plasma Medical Sciences, 2017, 1, 268-274.	2.7	3
22	The read-out and data transmission for the MAGNEX focal plane detector for the NUMEN project. Journal of Physics: Conference Series, 2018, 1056, 012006.	0.3	3
23	Study of the new return yoke for the upgraded Superconducting Cyclotron of INFN-LNS. Journal of Physics: Conference Series, 2017, 874, 012098.	0.3	2
24	Measurement of nearly horizontal cosmic muons at high altitudes with the MEV telescope. European Physical Journal Plus, 2019, 134, 1.	1.2	2
25	Proof-of-Principle of a Cherenkov-Tag Detector Prototype. Sensors, 2020, 20, 3437.	2.1	2
26	Multiparametric approach to the assessment of muon tomographic results for the inspection of a full-scale container. European Physical Journal Plus, 2021, 136, 1.	1.2	2
27	Design and characterization of a real time particle radiography system based on scintillating optical fibers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 486-489.	0.7	1
28	The NUMEN project @ LNS: Status and perspectives. AIP Conference Proceedings, 2017, , .	0.3	1
29	The nuclear matrix elements of $0\nu\beta\beta$ decay and the NUMEN project at INFN-LNS. EPJ Web of Conferences, 2018, 194, 02001.	0.1	1
30	Measuring nuclear reaction cross sections to extract information on neutrinoless double beta decay. Journal of Physics: Conference Series, 2018, 966, 012021.	0.3	1
31	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
32	The NUMEN project @ LNS: Status and perspectives. AIP Conference Proceedings, 2019, , .	0.3	1
33	Recent results on heavy-ion induced reactions of interest for neutrinoless double beta decay at INFN-LNS. Journal of Physics: Conference Series, 2020, 1643, 012074.	0.3	1
34	Post-stripper study for the (^{20}Ne , ^{20}O) double charge exchange reaction at zero degrees with the MAGNEX spectrometer. Journal of Physics: Conference Series, 2018, 1056, 012052.	0.3	0
35	Experimental challenges for the measurement of the $^{116}\text{Cd}(\text{20}Ne, \text{20}O\text{)}^{116}Sn$ double charge exchange reaction at 15 AMeV. Journal of Physics: Conference Series, 2018, 1023, 012006.	0.3	0
36	Data reduction for experimental measurements within the NUMEN project. Journal of Physics: Conference Series, 2018, 1056, 012010.	0.3	0

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37	Focal plane detector optical readout. Journal of Physics: Conference Series, 2018, 1056, 012023.	0.3	0
38	The Front-end for the new focal plane detector for the NUMEN project. Journal of Physics: Conference Series, 2018, 1056, 012007.	0.3	0
39	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
40	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
41	Recent results on Heavy-Ion induced reactions of interest for ^{210}Po decay. Journal of Physics: Conference Series, 2019, 1308, 012002.	0.3	0
42	New experimental campaign of NUMEN project. AIP Conference Proceedings, 2019, , .	0.3	0
43	The NUMEN project @ LNS: Status and perspectives. AIP Conference Proceedings, 2019, , .	0.3	0
44	Real-Time Particle Radiography by Means of Scintillating Fibers Tracker and Residual Range Detectors. , 0, , .		0
45	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
46	New Results from the NUMEN Project. , 2020, , .		0
47	Electromagnetic Simulations and Measurements of the K-800 Superconducting Cyclotron RF Cavity at INFN-LNS. Applied Sciences (Switzerland), 2021, 11, 5995.	1.3	0
48	New results from the NUMEN project. , 2019, , .		0
49	Measurement of single and multiple cosmic muons at high altitudes with the MEV telescope. , 2020, , .		0
50	Background estimate in heavy-ion two-body reactions measured by the MAGNEX spectrometer. Journal of Physics: Conference Series, 2020, 1643, 012019.	0.3	0
51	Three years of muography at Mount Etna: results and perspectives. Journal of Instrumentation, 2022, 17, C02003.	0.5	0