

Katherine E Mesick

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/544652/publications.pdf>

Version: 2024-02-01

20
papers

491
citations

933447

10
h-index

1058476

14
g-index

24
all docs

24
docs citations

24
times ranked

479
citing authors

#	ARTICLE	IF	CITATIONS
1	First Determination of the Weak Charge of the Proton. <i>Physical Review Letters</i> , 2013, 111, 141803.	7.8	102
2	New Precision Limit on the Strange Vector Form Factors of the Proton. <i>Physical Review Letters</i> , 2012, 108, 102001.	7.8	83
3	Measurement of parity violation in electron-quark scattering. <i>Nature</i> , 2014, 506, 67-70.	27.8	75
4	Production of Highly Polarized Positrons Using Polarized Electrons at MeV Energies. <i>Physical Review Letters</i> , 2016, 116, 214801.	7.8	64
5	Polynomial fits and the proton radius puzzle. <i>Physical Review C</i> , 2014, 90, .	2.9	36
6	The Qweak experimental apparatus. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 781, 105-133.	1.6	30
7	Measurements of Parity-Violating Asymmetries in Electron-Deuteron Scattering in the Nucleon Resonance Region. <i>Physical Review Letters</i> , 2013, 111, 082501.	7.8	23
8	Measurement of parity-violating asymmetry in electron-deuteron inelastic scattering. <i>Physical Review C</i> , 2015, 91, .	2.9	20
9	Benchmarking Geant4 for Simulating Galactic Cosmic Ray Interactions Within Planetary Bodies. <i>Earth and Space Science</i> , 2018, 5, 324-338.	2.6	17
10	Compact readout of large CLYC scintillators with silicon photomultiplier arrays. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 951, 162928.	1.6	12
11	Performance of several solid state photomultipliers with CLYC scintillator. , 2015, , .		9
12	Thermal Characterization of Tl ₂ LiYCl ₄ :Ce (TLYC). <i>IEEE Transactions on Nuclear Science</i> , 2020, 67, 525-533.	2.0	7
13	Small Penetrator Instrument Concept for the Advancement of Lunar Surface Science. <i>Planetary Science Journal</i> , 2021, 2, 38.	3.6	5
14	The SENSER CLYC experiment. , 2016, , .		4
15	Elpasolite Planetary Ice and Composition Spectrometer (EPICS): A Low-Resource Combined Gamma-Ray and Neutron Spectrometer for Planetary Science. , 2018, , .		2
16	The $Q^2_{p,m} \text{Weak}$ experiment. <i>Hyperfine Interactions</i> , 2013, 214, 21-30.	0.5	1
17	Early Results from the QweakExperiment. <i>EPJ Web of Conferences</i> , 2014, 66, 05002.	0.3	1
18	Background corrections in the Qweak experiment. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
19	Development of an elpasolite planetary science instrument. , 2016, , .		0
20	The MUSE Experiment: Studying the Proton Radius Puzzle with muon-proton Elastic Scattering. , 2015, , .		0