

Kevin Hickerson

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

411
citations

1163117

8
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

303
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultracold neutron properties of the Eljen-299-02D deuterated scintillator. Review of Scientific Instruments, 2021, 92, 023305.	1.3	1
2	Projection imaging with ultracold neutrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1003, 165306.	1.6	2
3	Improved Neutron Lifetime Measurement with UCN . Physical Review Letters, 2021, 127, 162501.	7.8	67
4	AlterBBN v2: A public code for calculating Big-Bang nucleosynthesis constraints in alternative cosmologies. Computer Physics Communications, 2020, 248, 106982.	7.5	45
5	Monte Carlo simulations of trapped ultracold neutrons in the UCN experiment. Physical Review C, 2019, 100, .	7.9	10
6	Status of the UCN experiment. EPJ Web of Conferences, 2019, 219, 03004.	0.3	4
7	Measurement of the neutron lifetime using a magneto-gravitational trap and in situ detection. Science, 2018, 360, 627-632.	12.6	117
8	Search for dark matter decay of the free neutron from the UCNA experiment: $n \rightarrow \tilde{\chi}_1^0 + e + e$. Physical Review C, 2018, 97, .	2.9	28
9	A new method for measuring the neutron lifetime using an <i>in situ</i> neutron detector. Review of Scientific Instruments, 2017, 88, 053508.	1.3	21
10	Total cross sections for ultracold neutrons scattered from gases. Physical Review C, 2017, 95, .	2.9	4
11	Upscattering of ultracold neutrons from gases. Physical Review C, 2015, 92, .	2.9	7
12	A multilayer surface detector for ultracold neutrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 798, 30-35.	1.6	19
13	Storage of ultracold neutrons in the magneto-gravitational trap of the UCN experiment. Physical Review C, 2014, 89, .	2.9	7
14	A compound parabolic concentrator as an ultracold neutron spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 721, 60-64.	1.6	2
15	Performance of the Los Alamos National Laboratory spallation-driven solid-deuterium ultra-cold neutron source. Review of Scientific Instruments, 2013, 84, 013304.	1.3	61