

aCORN: An experiment to measure the electron's "anti"

Spectroscopy, Detector Method Association Physics Research, Section
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Citation Report

#	Abstract	IF	CITATIONS
1	Precision measurements of the $\text{Co} \rightarrow \text{Ni} + e + \bar{\nu}_e$ asymmetry parameter in the neutron and its role in cosmology and particle physics. Reviews of Modern Physics, 2011, 83, 1111-1171.	1.1	29
2	The neutron and its role in cosmology and particle physics. Reviews of Modern Physics, 2011, 83, 1111-1171.	16.4	187
3	Symmetry Tests in Nuclear Beta Decay. Annual Review of Nuclear and Particle Science, 2011, 61, 23-46.	3.5	72
4	R- and N-correlation coefficients in neutron decay: Search for scalar and tensor couplings in weak interactions. Physics Procedia, 2011, 17, 30-39.	1.2	8
5	Prospects for precision measurements in nuclear decay in the LHC era. Annalen Der Physik, 2013, 525, 600-619.	0.9	61
6	Precision measurement of the neutron β -decay asymmetry. Physical Review C, 2013, 87, .	1.1	84
7	Beta decays and non-standard interactions in the LHC era. Progress in Particle and Nuclear Physics, 2013, 71, 93-118.	5.6	142
8	Limits on tensor coupling from neutron β -decay. Physical Review C, 2013, 88, .	1.1	21
9	Beta decay measurements with ultracold neutrons: a review of recent measurements and the research program at Los Alamos National Laboratory. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 114007.	1.4	36
10	Precision frontier in semileptonic weak interactions: theory. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 114001.	1.4	11
11	New precision measurements of free neutron beta decay with cold neutrons. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 114003.	1.4	18
12	The point spread function of electrons in a magnetic field, and the decay of the free neutron. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 763, 112-119.	0.7	11
13	QCD and strongly coupled gauge theories: challenges and perspectives. European Physical Journal C, 2014, 74, 2981.	1.4	397
14	Systematic Advantages of Pulsed Beams for Measurements of Correlation Coefficients in Neutron Decay. Physics Procedia, 2014, 51, 41-45.	1.2	5
15	The magnetic shielding for the neutron decay spectrometer aSPECT. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 767, 475-486.	0.7	2
17	Symmetry violations in nuclear and neutron β -decay. Reviews of Modern Physics, 2015, 87, 1483-1516.	16.4	52
18	Kinematic sensitivity to the Fierz term of β -decay differential spectra. Physical Review C, 2016, 94, .	1.1	23
19	Detection system for neutron β decay correlations in the UCNB and Nab experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 849, 83-93.	0.7	9

#	ARTICLE	IF	CITATIONS
20	The aCORN backscatter-suppressed beta spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 867, 51-57.	0.7	7
21	Measurement of the Electron-Antineutrino Angular Correlation in Neutron $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \hat{l}^2 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Decay. Physical Review Letters, 2017, 119, 042502.	2.9	33
22	Neutron decay correlations in the Nab experiment. Journal of Physics: Conference Series, 2017, 876, 012005.	0.3	4
23	BRAND " Search for BSM physics at TeV scale by exploring transverse polarization of electrons emitted in neutron decay. EPJ Web of Conferences, 2019, 219, 04001.	0.1	11
24	aCORN: Measuring the electron-antineutrino correlation in neutron beta decay. EPJ Web of Conferences, 2019, 219, 04008.	0.1	1
25	New physics searches in nuclear and neutron $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" id="d1e6741" altimg="si1112.gif"} \langle \text{mml:mi} \rangle \hat{l}^2 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ decay. Progress in Particle and Nuclear Physics, 2019, 104, 165-223.	5.6	156
26	Measurement of the neutron decay electron-antineutrino angular correlation by the aCORN experiment. Physical Review C, 2021, 103, .	1.1	19
27	Charge-State Distributions after Beta Decay of ${}^6\text{He}$ to Form ${}^6\text{Li}^+$. Atoms, 2023, 11, 41.	0.7	0