

# D H Beck

## List of Publications by Year in descending order

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22  
papers

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citations

759233

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h-index

713466

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22  
all docs

22  
docs citations

22  
times ranked

946  
citing authors

#	ARTICLE	IF	CITATIONS
1	A highly drift-stable atomic magnetometer for fundamental physics experiments. Applied Physics Letters, 2022, 120, .	3.3	12
2	Reflectivity of VUV-sensitive silicon photomultipliers in liquid Xenon. Journal of Instrumentation, 2021, 16, P08002.	1.2	5
3	Measurement of the Spectral Shape of the $I^2$ Decay of $^{137}\text{Xe}$ . Physical Review Letters, 2019, 123, 161802.	4.7	13
4	Decay of $^{137}\text{Xe}$ . Physical Review Letters, 2019, 123, 161802.	4.7	6
5	Search for Neutrinoless Double- $I^2$ Decay with the Complete EXO-200 Dataset. Physical Review Letters, 2019, 123, 161802.	7.8	163
6	Search for Neutrinoless Double-Beta Decay with the Upgraded EXO-200 Detector. Physical Review Letters, 2018, 120, 072701.	7.8	152
7	VUV-Sensitive Silicon Photomultipliers for Xenon Scintillation Light Detection in nEXO. IEEE Transactions on Nuclear Science, 2018, 65, 2823-2833.	2.0	29
8	Testing Dark Decays of Baryons in Neutron Stars. Physical Review Letters, 2018, 121, 061801.	7.8	57
9	An apparatus for studying electrical breakdown in liquid helium at 0.4 K and testing electrode materials for the neutron electric dipole moment experiment at the Spallation Neutron Source. Review of Scientific Instruments, 2016, 87, 045113.	1.3	14
10	Elementary quantum mechanics of the neutron with an electric dipole moment. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7438-7442.	7.1	6
11	Transport in very dilute solutions of $^3\text{He}$ in superfluid $^4\text{He}$ . Physical Review B, 2013, 88, .	3.2	8
12	A large-scale magnetic shield with 106 damping at millihertz frequencies. Journal of Applied Physics, 2015, 117, .	2.5	39
13	Low-Temperature Transport Properties of Very Dilute Classical Solutions of $^3\text{He}$ in Superfluid $^4\text{He}$ . Journal of Low Temperature Physics, 2015, 178, 200-228.	1.4	6
14	An apparatus to manipulate and identify individual Ba ions from bulk liquid Xe. Review of Scientific Instruments, 2014, 85, 095114.	1.3	14
15	A magnetically shielded room with ultra low residual field and gradient. Review of Scientific Instruments, 2014, 85, 075106.	1.3	59
16	Transport in very dilute solutions of $^3\text{He}$ in superfluid $^4\text{He}$ . Physical Review B, 2013, 88, .	3.2	8
17	Dressed spin of polarized $^3\text{He}$ in a cell. Physical Review C, 2011, 84, .	2.9	12
18	The G0 Spectrometer Superconducting Magnet System: From a Challenging Construction to Reliable Operations. IEEE Transactions on Applied Superconductivity, 2006, 16, 248-252.	1.7	2

#	ARTICLE	IF	CITATIONS
19	PARITY-VIOLATING ELECTRON SCATTERING AND NUCLEON STRUCTURE. Annual Review of Nuclear and Particle Science, 2001, 51, 189-217.	10.2	94
20	Polarization transport at TJNAF: Simulations and measurements. , 1998, , .		0
21	Superconducting toroidal magnet design for the G0 experiment at TJNAF. IEEE Transactions on Applied Superconductivity, 1997, 7, 618-621.	1.7	1
22	Observation of Isovector-Iso-scalar Two-Body Currents in Deuteron Knockout from $^3\text{He}$ . Physical Review Letters, 1996, 76, 885-887.	7.8	7