

# Marc Bergevin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3030519/publications.pdf>

Version: 2024-02-01

50  
papers

3,953  
citations

257450  
24  
h-index

223800  
46  
g-index

51  
all docs

51  
docs citations

51  
times ranked

2494  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement in light collection of a photomultiplier tube using a wavelength-shifting plate. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1040, 167207.	1.6	2
2	Supernova Model Discrimination with Hyper-Kamiokande. Astrophysical Journal, 2021, 916, 15.	4.5	37
3	Search for <i>hep</i> solar neutrinos and the diffuse supernova neutrino background using all three phases of the Sudbury Neutrino Observatory. Physical Review D, 2020, 102, .	4.7	12
4	Measurement of muon-induced high-energy neutrons from rock in an underground Cd-doped water detector. Physical Review C, 2020, 102, .	2.9	2
5	Constraints on neutrino lifetime from the Sudbury Neutrino Observatory. Physical Review D, 2019, 99, .	4.7	23
6	Measurement of neutron production in atmospheric neutrino interactions at the Sudbury Neutrino Observatory. Physical Review D, 2019, 99, .	4.7	2
7	Cosmogenic neutron production at the Sudbury Neutrino Observatory. Physical Review D, 2019, 100, .	4.7	6
8	Tests of Lorentz invariance at the Sudbury Neutrino Observatory. Physical Review D, 2018, 98, .	4.7	13
9	Physics potentials with the second Hyper-Kamiokande detector in Korea. Progress of Theoretical and Experimental Physics, 2018, 2018, .	6.6	77
10	Search for neutron-antineutron oscillations at the Sudbury Neutrino Observatory. Physical Review D, 2017, 96, .	4.7	34
11	Characterization of the spontaneous light emission of the PMTs used in the Double Chooz experiment. Journal of Instrumentation, 2016, 11, P08001-P08001.	1.2	6
12	A search for cosmogenic production of $\bar{\nu}_e$ -neutron emitting radionuclides in water. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 821, 151-159.	1.6	9
13	Muon capture on light isotopes measured with the Double Chooz detector. Physical Review C, 2016, 93, .	2.9	8
14	Measurement of $\bar{\nu}_e$ , $\bar{\nu}_\mu$ in Double Chooz using neutron captures on hydrogen with novel background rejection techniques. Journal of High Energy Physics, 2016, 2016, 1.	4.7	46
15	Neutron-antineutron oscillations: Theoretical status and experimental prospects. Physics Reports, 2016, 612, 1-45.	25.6	138
16	Future water Cherenkov detectors. AIP Conference Proceedings, 2015, , .	0.4	3
17	Physics potential of a long-baseline neutrino oscillation experiment using a J-PARC neutrino beam and Hyper-Kamiokande. Progress of Theoretical and Experimental Physics, 2015, 2015, 53C02-0.	6.6	157
18	Ortho-positronium observation in the Double Chooz experiment. Journal of High Energy Physics, 2014, 2014, 1.	4.7	8

#	ARTICLE	IF	CITATIONS
19	Improved measurements of the neutrino mixing angle $\hat{\chi}_{13}$ with the Double Chooz detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	181
20	Precision muon reconstruction in Double Chooz. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 764, 330-339.	1.6	9
21	A search for astrophysical burst signals at the Sudbury Neutrino Observatory. <i>Astroparticle Physics</i> , 2014, 55, 1-7.	4.3	17
22	Background-independent measurement of $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:mn="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" display="block">\hat{\chi}_{13} \rangle$ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 723, 66-70.	4.1	34
23	Combined analysis of all three phases of solar neutrino data from the Sudbury Neutrino Observatory. <i>Physical Review C</i> , 2013, 88, .	2.9	267
24	First measurement of $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" display="block">\hat{\chi}_{13} \rangle$ from delayed neutron capture on hydrogen in the Double Chooz experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 723, 66-70.	4.1	84
25	Measurement of the $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" display="block">\hat{\chi}_{13} \rangle$ and total solar neutrino fluxes with the Sudbury Neutrino Observatory phase III data set. <i>Physical Review C</i> , 2013, 87, .	2.9	42
26	Direct measurement of backgrounds using reactor-off data in Double Chooz. <i>Physical Review D</i> , 2013, 87, .	4.7	21
27	THE MAJORANA DOUBLE BETA DECAY EXPERIMENT: PRESENT STATUS. , 2013, , 164-168.		0
28	The Majorana Demonstrator: A search for neutrinoless double-beta decay of germanium-76. , 2012, , .		0
29	Indication of Reactor $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" display="block">\hat{\chi}_{13} \rangle$ in the Double Chooz Experiment. <i>Physical Review Letters</i> , 2012, 108, 131801.	7.8	979
30	Dark matter sensitivities of the Majorana Demonstrator. <i>Journal of Physics: Conference Series</i> , 2012, 375, 012014.	0.4	6
31	The Majorana Demonstrator: A Search for Neutrinoless Double-beta Decay of Germanium-76. <i>Journal of Physics: Conference Series</i> , 2012, 375, 042010.	0.4	19
32	The MAJORANA experiment: an ultra-low background search for neutrinoless double-beta decay. <i>Journal of Physics: Conference Series</i> , 2012, 381, 012044.	0.4	14
33	First test of Lorentz violation with a reactor-based antineutrino experiment. <i>Physical Review D</i> , 2012, 86, .	4.7	41
34	Reactor $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" display="block">\hat{\chi}_{13} \rangle$ in the Double Chooz experiment. <i>Physical Review D</i> , 2012, 86, .	4.7	275
35	The Majorana Experiment. , 2011, , .		2
36	Astroparticle physics with a customized low-background broad energy Germanium detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 652, 692-695.	1.6	12

#	ARTICLE	IF	CITATIONS
37	The Majorana Experiment. Nuclear Physics, Section B, Proceedings Supplements, 2011, 217, 44-46.	0.4	34
38	LOW-MULTIPLICITY BURST SEARCH AT THE SUDBURY NEUTRINO OBSERVATORY. Astrophysical Journal, 2011, 728, 83.	4.5	15
39	The MAJORANA Project. Journal of Physics: Conference Series, 2010, 203, 012057.	0.4	9
40	SEARCHES FOR HIGH-FREQUENCY VARIATIONS IN THE <sup>8</sup> B SOLAR NEUTRINO FLUX AT THE SUDBURY NEUTRINO OBSERVATORY. Astrophysical Journal, 2010, 710, 540-548.	4.5	24
41	Low-energy-threshold analysis of the Phase I and Phase II data sets of the Sudbury Neutrino Observatory. Physical Review C, 2010, 81, .	2.9	196
42	The MAJORANA DEMONSTRATOR: An R&D project towards a tonne-scale germanium neutrinoless double-beta decay search. , 2009, , .		12
43	Measurement of the cosmic ray and neutrino-induced muon flux at the Sudbury neutrino observatory. Physical Review D, 2009, 80, .	4.7	42
44	The MAJORANA Project. Journal of Physics: Conference Series, 2009, 173, 012007.	0.4	16
45	The MAJORANA Neutrinoless Double-Beta Decay Experiment. , 2008, , . Independent Measurement of the Total Active<mml:math> xml�ns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>B</mml:mi><mml:mprescripts /><mml:mi>8</mml:mi></mml:mmultiscripts></mml:math> Solar Neutrino Flux Using an Array of<mml:math xml�ns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>He</mml:mi><mml:mprescripts /><mml:mi>8</mml:mi></mml:mmultiscripts></mml:math> Determination of the $\frac{1}{2}$ and total ${}^8\text{B}$ solar neutrino fluxes using the Sudbury Neutrino Observatory Phase I data set. Physical Review C, 2007, 75, .		12
46		7.8	262
47		2.9	112
48	A Search for Neutrinos from the SolarhepReaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. Astrophysical Journal, 2006, 653, 1545-1551.	4.5	63
49	Search for periodicities in the ${}^8\text{B}$ solar neutrino flux measured by the Sudbury Neutrino Observatory. Physical Review D, 2005, 72, .	4.7	54
50	Electron energy spectra, fluxes, and day-night asymmetries of ${}^8\text{B}$ solar neutrinos from measurements with NaCl dissolved in the heavy-water detector at the Sudbury Neutrino Observatory. Physical Review C, 2005, 72, .	2.9	459