Marc Bergevin

List of Publications by Year
in descending order

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	Indication of Reactor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mi>e</mml:mi></mml:msub></mml:math>Disappearance in the Double Chooz Experiment. Physical Review Letters, 2012, 108, 131801.	7.8	979
2	Electron energy spectra, fluxes, and day-night asymmetries of8B 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
3	Reactor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo>Â¯</mml:mo></mml:mover><mml:mi>e</mml:mi></mml:msub></mml:math>disappearance in the Double Chooz experiment. Physical Review D, 2012, 86, .	4.7	275
4	Combined analysis of all three phases of solar neutrino data from the Sudbury Neutrino Observatory. Physical Review C, 2013, 88, .	2.9	267
5	Independent Measurement of the Total Active<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">B</mml:mi><mml:mprescripts /><mml:none /><mml:mn>8</mml:mn></mml:mmultiscripts></mml:math>Solar Neutrino Flux Using an Array of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>He</mml:mi><mml:mprescripts /><mml:none /><mml:mn	7.8	262
6	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
7	Improved measurements of the neutrino mixing angle Î¸13 with the Double Chooz detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	181
8	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
9	Neutron-antineutron oscillations: Theoretical status and experimental prospects. Physics Reports, 2016, 612, 1-45.	25.6	138
10	Determination of theÎ½eand totalB8solar neutrino fluxes using the Sudbury Neutrino Observatory Phase I data set. Physical Review C, 2007, 75, .	2.9	112
11	First measurement of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Î¸</mml:mi></mml:mrow><mml:mrow><mml:mn>13</mml:mn></mml:mrow></mml:msub></mml:math> from delayed neutron capture on hydrogen in the Double Chooz experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 66-70.	4.1	84
12	Physics potentials with the second Hyper-Kamiokande detector in Korea. Progress of Theoretical and Experimental Physics, 2018, 2018, .	6.6	77
13	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
14	Search for periodicities in theB8solar neutrino flux measured by the Sudbury Neutrino Observatory. Physical Review D, 2005, 72, .	4.7	54
15	Measurement of Î¸13 in Double Chooz using neutron captures on hydrogen with novel background rejection techniques. Journal of High Energy Physics, 2016, 2016, 1.	4.7	46
16	Measurement of the cosmic ray and neutrino-induced muon flux at the Sudbury neutrino observatory. Physical Review D, 2009, 80, .	4.7	42
17	Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>e</mml:mi></mml:msub></mml:math>and total<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>8</mml:mn></mml:msup></mml:math>B solar neutrino fluxes with the Sudbury Neutrino Observatory phase-III data set. Physical Review C, 2013, 87, .	2.9	42
18	First test of Lorentz violation with a reactor-based antineutrino experiment. Physical Review D, 2012, 86, .	4.7	41

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19	Supernova Model Discrimination with Hyper-Kamiokande. Astrophysical Journal, 2021, 916, 15.	4.5	37
20	The Majorana Experiment. Nuclear Physics, Section B, Proceedings Supplements, 2011, 217, 44-46.	0.4	34
21	Background-independent measurement of <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.elsevie. Physics	4.1	34
22	Search for neutron-antineutron oscillations at the Sudbury Neutrino Observatory. Physical Review D, 2017, 96, .	4.7	34
23	SEARCHES FOR HIGH-FREQUENCY VARIATIONS IN THE⁸B SOLAR NEUTRINO FLUX AT THE SUDBURY NEUTRINO OBSERVATORY. Astrophysical Journal, 2010, 710, 540-548.	4.5	24
24	Constraints on neutrino lifetime from the Sudbury Neutrino Observatory. Physical Review D, 2019, 99, .	4.7	23
25	Direct measurement of backgrounds using reactor-off data in Double Chooz. Physical Review D, 2013, 87, .	4.7	21
26	The Majorana Demonstrator: A Search for Neutrinoless Double-beta Decay of Germanium-76. Journal of Physics: Conference Series, 2012, 375, 042010.	0.4	19
27	A search for astrophysical burst signals at the Sudbury Neutrino Observatory. Astroparticle Physics, 2014, 55, 1-7.	4.3	17
28	The MAJORANA Project. Journal of Physics: Conference Series, 2009, 173, 012007.	0.4	16
29	LOW-MULTIPLICITY BURST SEARCH AT THE SUDBURY NEUTRINO OBSERVATORY. Astrophysical Journal, 2011, 728, 83.	4.5	15
30	The MAJORANA experiment: an ultra-low background search for neutrinoless double-beta decay. Journal of Physics: Conference Series, 2012, 381, 012044.	0.4	14
31	Tests of Lorentz invariance at the Sudbury Neutrino Observatory. Physical Review D, 2018, 98, .	4.7	13
32	The MAJORANA Neutrinoless Double-Beta Decay Experiment. , 2008, , .		12
33	The MAJORANA DEMONSTRATOR: An R&D project towards a tonne-scale germanium neutrinoless double-beta decay search. , 2009, , .		12
34	Astroparticle physics with a customized low-background broad energy Germanium detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 692-695.	1.6	12
35	Search for hep 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
36	The MAJORANA Project. Journal of Physics: Conference Series, 2010, 203, 012057.	0.4	9

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37	Precision muon reconstruction in Double Chooz. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 764, 330-339.	1.6	9
38	A search for cosmogenic production of Î²-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
39	Ortho-positronium observation in the Double Chooz experiment. Journal of High Energy Physics, 2014, 2014, 1.	4.7	8
40	Muon capture on light isotopes measured with the Double Chooz detector. Physical Review C, 2016, 93, .	2.9	8
41	Dark matter sensitivities of the Majorana Demonstrator. Journal of Physics: Conference Series, 2012, 375, 012014.	0.4	6
42	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
43	Cosmogenic neutron production at the Sudbury Neutrino Observatory. Physical Review D, 2019, 100, .	4.7	6
44	Future water Cherenkov detectors. AIP Conference Proceedings, 2015, , .	0.4	3
45	The Majorana Experiment. , 2011, , .		2
46	Measurement of neutron production in atmospheric neutrino interactions at the Sudbury Neutrino Observatory. Physical Review D, 2019, 99, .	4.7	2
47	Measurement of muon-induced high-energy neutrons from rock in an underground Gd-doped water detector. Physical Review C, 2020, 102, .	2.9	2
48	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
49	The Majorana Demonstrator: A search for neutrinoless double-beta decay of germanium-76. , 2012, , .		0
50	THE MAJORANA DOUBLE BETA DECAY EXPERIMENT: PRESENT STATUS. , 2013, , 164-168.		0