

Mattias Blennow

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,362
citations

361413

20
h-index

377865

34
g-index

36
all docs

36
docs citations

36
times ranked

1171
citing authors

#	ARTICLE	IF	CITATIONS
1	General bounds on non-standard neutrino interactions. Journal of High Energy Physics, 2009, 2009, 090-090.	4.7	179
2	Non-unitarity, sterile neutrinos, and non-standard neutrino interactions. Journal of High Energy Physics, 2017, 2017, 1.	4.7	127
3	Quantifying the sensitivity of oscillation experiments to the neutrino mass ordering. Journal of High Energy Physics, 2014, 2014, 1.	4.7	97
4	Neutrino Propagation in Matter. Advances in High Energy Physics, 2013, 2013, 1-33.	1.1	92
5	A very intense neutrino super beam experiment for leptonic CP violation discovery based on the European spallation source linac. Nuclear Physics B, 2014, 885, 127-149.	2.5	91
6	Neutrino portals to dark matter. European Physical Journal C, 2019, 79, 1.	3.9	73
7	Freeze-in through portals. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 003-003.	5.4	67
8	A combined study of source, detector and matter non-standard neutrino interactions at DUNE. Journal of High Energy Physics, 2016, 2016, 1.	4.7	67
9	Loop bounds on non-standard neutrino interactions. Journal of High Energy Physics, 2009, 2009, 139-139.	4.7	50
10	Effects of non-standard interactions in the MINOS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 660, 522-528.	4.1	46
11	Non-standard interactions using the OPERA experiment. European Physical Journal C, 2008, 56, 529-536.	3.9	43
12	Neutrino oscillation parameter sampling with MonteCUBES. Computer Physics Communications, 2010, 181, 227-231.	7.5	40
13	Damping signatures in future neutrino oscillation experiments. Journal of High Energy Physics, 2005, 2005, 049-049.	4.7	37
14	Non-standard Hamiltonian effects on neutrino oscillations. European Physical Journal C, 2007, 49, 1023-1039.	3.9	37
15	Determination of the neutrino mass ordering by combining PINGU and Daya Bay II. Journal of High Energy Physics, 2013, 2013, 1.	4.7	37
16	Identifying the neutrino mass ordering with INO and NOvA. Journal of High Energy Physics, 2012, 2012, 1.	4.7	32
17	High intensity neutrino oscillation facilities in Europe. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	25
18	Reassessing the sensitivity to leptonic CP violation. Journal of High Energy Physics, 2015, 2015, 1.	4.7	25

#	ARTICLE	IF	CITATIONS
19	Physics potential of the ESSnuSB. European Physical Journal C, 2020, 80, 1.	3.9	23
20	On the Bayesian approach to neutrino mass ordering. Journal of High Energy Physics, 2014, 2014, 1.	4.7	20
21	Exploring source and detector non-standard neutrino interactions at ESSnuSB. Journal of High Energy Physics, 2015, 2015, 1.	4.7	18
22	The Opportunity Offered by the ESSnuSB Project to Exploit the Larger Leptonic CP Violation Signal at the Second Oscillation Maximum and the Requirements of This Project on the ESS Accelerator Complex. Advances in High Energy Physics, 2016, 2016, 1-16.	1.1	17
23	Nonstandard interaction effects on astrophysical neutrino fluxes. Physical Review D, 2009, 80, .	4.7	16
24	IceCube bounds on sterile neutrinos above 10 eV. European Physical Journal C, 2018, 78, 1.	3.9	15
25	The MOMENT to search for CP violation. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
26	The distribution of inelastic dark matter in the Sun. European Physical Journal C, 2018, 78, 1.	3.9	14
27	Updated physics performance of the ESSnuSB experiment. European Physical Journal C, 2021, 81, 1.	3.9	14
28	Approximative two-flavor framework for neutrino oscillations with nonstandard interactions. Physical Review D, 2008, 78, .	4.7	12
29	Exact series solution to the two flavor neutrino oscillation problem in matter. Journal of Mathematical Physics, 2004, 45, 4053-4063.	1.1	7
30	Gain fractions of future neutrino oscillation facilities over T2K and NOvA. Journal of High Energy Physics, 2013, 2013, 1.	4.7	7
31	Probing lepton flavor models at future neutrino experiments. Physical Review D, 2020, 102, .	4.7	7
32	Searching for sterile neutrinos at the ESSnuSB. Journal of High Energy Physics, 2014, 2014, 1.	4.7	6
33	Testing lepton flavor models at ESSnuSB. Journal of High Energy Physics, 2020, 2020, 1.	4.7	6
34	Neutrinos from WIMP annihilations in the Sun including neutrino oscillations. Nuclear Physics, Section B, Proceedings Supplements, 2011, 221, 37-38.	0.4	1
35	Mass hierarchy sensitivity at future oscillation facilities. Nuclear and Particle Physics Proceedings, 2015, 265-266, 171-173.	0.5	0