Thomas Schwetz

List of Publications by Year
in descending order

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56 papers	5,976 citations	117453 34 h-index	149479 56 g-index
57 all docs	57 docs citations	57 times ranked	7163 citing authors

#	Article	IF	Citations
1	The fate of hints: updated global analysis of three-flavor neutrino oscillations. Journal of High Energy Physics, 2020, 2020, 1.	1.6	679
2	Global analysis of three-flavour neutrino oscillations: synergies and tensions in the determination of Î¸23, Î´CP, and the mass ordering. Journal of High Energy Physics, 2019, 2019, 1.	1.6	506
3	Global fit to three neutrino mixing: critical look at present precision. Journal of High Energy Physics, 2012, 2012, 1.	1.6	465
4	Updated fit to three neutrino mixing: exploring the accelerator-reactor complementarity. Journal of High Energy Physics, 2017, 2017, 1.	1.6	444
5	Updated fit to three neutrino mixing: status of leptonic CP violation. Journal of High Energy Physics, 2014, 2014, 1.	1.6	432
6	Sterile neutrino oscillations: the global picture. Journal of High Energy Physics, 2013, 2013, 1.	1.6	352
7	Updated global analysis of neutrino oscillations in the presence of eV-scale sterile neutrinos. Journal of High Energy Physics, 2018, 2018, 1.	1.6	244
8	Are There Sterile Neutrinos at the eV Scale?. Physical Review Letters, 2011, 107, 091801.	2.9	212
9	Higgs portal, fermionic dark matter, and a Standard Model like Higgs at 125 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 179-185.	1.5	174
10	Sterile neutrino oscillations after first MiniBooNE results. Physical Review D, 2007, 76, .	1.6	169
11	Global neutrino data and recent reactor fluxes: the status of three-flavour oscillation parameters. New Journal of Physics, 2011, 13, 063004.	1.2	162
12	Implications of unitarity and gauge invariance for simplified dark matter models. Journal of High Energy Physics, 2016, 2016, 1.	1.6	148
13	Global analyses of neutrino oscillation experiments. Nuclear Physics B, 2016, 908, 199-217.	0.9	145
14	First hint for CP violation in neutrino oscillations from upcoming superbeam and reactor experiments. Journal of High Energy Physics, 2009, 2009, 044-044.	1.6	128
15	Quantifying the sensitivity of oscillation experiments to the neutrino mass ordering. Journal of High Energy Physics, 2014, 2014, 1.	1.6	97
16	COHERENT enlightenment of the neutrino dark side. Physical Review D, 2017, 96, .	1.6	97
17	Physics potential of the CERN-MEMPHYS neutrino oscillation project. Journal of High Energy Physics, 2007, 2007, 003-003.	1.6	90
18	Explaining LSND by a decaying sterile neutrino. Journal of High Energy Physics, 2005, 2005, 048-048.	1.6	86

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19	Curtailing the dark side in non-standard neutrino interactions. Journal of High Energy Physics, 2017, 2017, 1.	1.6	82
20	Resolving parameter degeneracies in long-baseline experiments by atmospheric neutrino data. Physical Review D, 2005, 71, .	1.6	81
21	How to save the WIMP: global analysis of a dark matter model with two s-channel mediators. Journal of High Energy Physics, 2016, 2016, 1.	1.6	76
22	Sterile neutrinos or flux uncertainties? â€" Status of the reactor anti-neutrino anomaly. Journal of High Energy Physics, 2017, 2017, 1.	1.6	74
23	Dark matter attempts for CoGeNT and DAMA. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 008-008.	1.9	72
24	Generalized mass ordering degeneracy in neutrino oscillation experiments. Physical Review D, 2016, 94, .	1.6	71
25	Astrophysics-Independent Bounds on the Annual Modulation of Dark Matter Signals. Physical Review Letters, 2012, 109, 141301.	2.9	58
26	Î¸13: phenomenology, present status and prospect. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 103001.	1.4	56
27	Halo-independent methods for inelastic dark matter scattering. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 049-049.	1.9	55
28	Cosmology and the neutrino mass ordering. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 035-035.	1.9	54
29	Axion minicluster power spectrum and mass function. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 038-038.	1.9	53
30	Rotating drops of axion dark matter. Physical Review D, 2016, 93, .	1.6	52
31	NuFIT: Three-Flavour Global Analyses of Neutrino Oscillation Experiments. Universe, 2021, 7, 459.	0.9	48
32	Explaining the MiniBooNE excess by a decaying sterile neutrino with mass in the 250ÂMeV range. Physical Review D, 2020, 101, .	1.6	45
33	Bayesian global analysis of neutrino oscillation data. Journal of High Energy Physics, 2015, 2015, 1.	1.6	41
34	Determination of the neutrino mass ordering by combining PINGU and Daya Bay II. Journal of High Energy Physics, 2013, 2013, 1.	1.6	37
35	Halo-independent tests of dark matter direct detection signals: local DM density, LHC, and thermal freeze-out. Journal of Cosmology and Astroparticle Physics, 2015, 2015, 039-039.	1.9	33
36	Identifying the neutrino mass ordering with INO and NOvA. Journal of High Energy Physics, 2012, 2012, 1.	1.6	32

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37	Statistical significance of the sterile-neutrino hypothesis in the context of reactor and gallium data. Journal of High Energy Physics, 2022, 2022, .	1.6	27
38	What is the probability that <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/x…	1.5	26
39	How to suppress exponential growthâ€”on the parametric resonance of photons in an axion background. Journal of Cosmology and Astroparticle Physics, 2020, 2020, 013-013.	1.9	26
40	What is the probability that direct detection experiments have observed dark matter?. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 015-015.	1.9	24
41	Revisiting the quantum decoherence scenario as an explanation for the LSND anomaly. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
42	On the determination of the leptonic CP phase. Journal of High Energy Physics, 2015, 2015, 1.	1.6	23
43	A low energy neutrino factory with non-magnetic detectors. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 669, 294-300.	1.5	22
44	Testing sterile neutrino mixing with present and future solar neutrino data. European Physical Journal C, 2022, 82, 1.	1.4	22
45	Limits onCPTviolation from solar neutrinos. Physical Review D, 2016, 93, .	1.6	21
46	Cosmic neutrino background detection in large-neutrino-mass cosmologies. Physical Review D, 2022, 105, .	1.6	20
47	Constraining active-sterile neutrino transition magnetic moments at DUNE near and far detectors. Journal of High Energy Physics, 2021, 2021, 1.	1.6	19
48	Prospects for Neutrino Oscillation Physics. Advances in High Energy Physics, 2013, 2013, 1-29.	0.5	17
49	Statistical interpretation of sterile neutrino oscillation searches at reactors. European Physical Journal C, 2021, 81, 1.	1.4	17
50	Determination of the neutrino mass hierarchy in the regime of small matter effect. Journal of High Energy Physics, 2007, 2007, 093-093.	1.6	12
51	Resolving the LMA-dark NSI degeneracy with coherent neutrino-nucleus scattering. Journal of High Energy Physics, 2021, 2021, 1.	1.6	12
52	Neutrino oscillations: Present status and outlook. Pramana - Journal of Physics, 2009, 72, 119-129.	0.9	4
53	Astrophysics-independent determination of dark matter parameters from two direct detection signals. Physics of the Dark Universe, 2019, 26, 100393.	1.8	2
54	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>T</mml:mi></mml:math> violation in nonstandard neutrino oscillation scenarios. Physical Review D, 2022, 105, .	1.6	2

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55	Model-Independent Test of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>T</mml:mi></mml:math> Violation in Neutrino Oscillations. Physical Review Letters, 2022, 128, 091801.	2.9	1
56	Model-independent test of T violation in neutrino oscillations. Journal of Physics: Conference Series, 2021, 2156, 012124.	0.3	0