

Thomas Schwetz

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Testing sterile neutrino mixing with present and future solar neutrino data. <i>European Physical Journal C</i> , 2022, 82, 1. | 1.4 | 22 |
| 2 | Statistical significance of the sterile-neutrino hypothesis in the context of reactor and gallium data. <i>Journal of High Energy Physics</i> , 2022, 2022, . | 1.6 | 27 |
| 3 | $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ violation in nonstandard neutrino oscillation scenarios. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 2 |
| 4 | Model-Independent Test of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Violation in Neutrino Oscillations. <i>Physical Review Letters</i> , 2022, 128, 091801. | 2.9 | 1 |
| 5 | Cosmic neutrino background detection in large-neutrino-mass cosmologies. <i>Physical Review D</i> , 2022, 105, . | 1.6 | 20 |
| 6 | Resolving the LMA-dark NSI degeneracy with coherent neutrino-nucleus scattering. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 1.6 | 12 |
| 7 | Constraining active-sterile neutrino transition magnetic moments at DUNE near and far detectors. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 1.6 | 19 |
| 8 | Statistical interpretation of sterile neutrino oscillation searches at reactors. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 17 |
| 9 | NuFIT: Three-Flavour Global Analyses of Neutrino Oscillation Experiments. <i>Universe</i> , 2021, 7, 459. | 0.9 | 48 |
| 10 | Model-independent test of T violation in neutrino oscillations. <i>Journal of Physics: Conference Series</i> , 2021, 2156, 012124. | 0.3 | 0 |
| 11 | Explaining the MiniBooNE excess by a decaying sterile neutrino with mass in the 250ÅMeV range. <i>Physical Review D</i> , 2020, 101, . | 1.6 | 45 |
| 12 | The fate of hints: updated global analysis of three-flavor neutrino oscillations. <i>Journal of High Energy Physics</i> , 2020, 2020, 1. | 1.6 | 679 |
| 13 | How to suppress exponential growth“ on the parametric resonance of photons in an axion background. <i>Journal of Cosmology and Astroparticle Physics</i> , 2020, 2020, 013-013. | 1.9 | 26 |
| 14 | Astrophysics-independent determination of dark matter parameters from two direct detection signals. <i>Physics of the Dark Universe</i> , 2019, 26, 100393. | 1.8 | 2 |
| 15 | Global analysis of three-flavour neutrino oscillations: synergies and tensions in the determination of $\hat{\theta}_{23}$, $\hat{\delta}_{CP}$, and the mass ordering. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 1.6 | 506 |
| 16 | Updated global analysis of neutrino oscillations in the presence of eV-scale sterile neutrinos. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 1.6 | 244 |
| 17 | Updated fit to three neutrino mixing: exploring the accelerator-reactor complementarity. <i>Journal of High Energy Physics</i> , 2017, 2017, 1. | 1.6 | 444 |
| 18 | Curtailling the dark side in non-standard neutrino interactions. <i>Journal of High Energy Physics</i> , 2017, 2017, 1. | 1.6 | 82 |

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|----|---|-----|-----------|
| 19 | Sterile neutrinos or flux uncertainties? – Status of the reactor anti-neutrino anomaly. Journal of High Energy Physics, 2017, 2017, 1. | 1.6 | 74 |
| 20 | COHERENT enlightenment of the neutrino dark side. Physical Review D, 2017, 96, . | 1.6 | 97 |
| 21 | Axion minicluster power spectrum and mass function. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 038-038. | 1.9 | 53 |
| 22 | 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 |
| 23 | Limits on CPT violation from solar neutrinos. Physical Review D, 2016, 93, . | 1.6 | 21 |
| 24 | Rotating drops of axion dark matter. Physical Review D, 2016, 93, . | 1.6 | 52 |
| 25 | Cosmology and the neutrino mass ordering. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 035-035. | 1.9 | 54 |
| 26 | Generalized mass ordering degeneracy in neutrino oscillation experiments. Physical Review D, 2016, 94, . | 1.6 | 71 |
| 27 | Implications of unitarity and gauge invariance for simplified dark matter models. Journal of High Energy Physics, 2016, 2016, 1. | 1.6 | 148 |
| 28 | Global analyses of neutrino oscillation experiments. Nuclear Physics B, 2016, 908, 199-217. | 0.9 | 145 |
| 29 | Revisiting the quantum decoherence scenario as an explanation for the LSND anomaly. Journal of High Energy Physics, 2015, 2015, 1. | 1.6 | 24 |
| 30 | On the determination of the leptonic CP phase. Journal of High Energy Physics, 2015, 2015, 1. | 1.6 | 23 |
| 31 | 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 |
| 32 | Bayesian global analysis of neutrino oscillation data. Journal of High Energy Physics, 2015, 2015, 1. | 1.6 | 41 |
| 33 | 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 |
| 34 | Updated fit to three neutrino mixing: status of leptonic CP violation. Journal of High Energy Physics, 2014, 2014, 1. | 1.6 | 432 |
| 35 | Quantifying the sensitivity of oscillation experiments to the neutrino mass ordering. Journal of High Energy Physics, 2014, 2014, 1. | 1.6 | 97 |
| 36 | Determination of the neutrino mass ordering by combining PINGU and Daya Bay II. Journal of High Energy Physics, 2013, 2013, 1. | 1.6 | 37 |

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|----|---|-----|-----------|
| 37 | Sterile neutrino oscillations: the global picture. Journal of High Energy Physics, 2013, 2013, 1. | 1.6 | 352 |
| 38 | Halo-independent methods for inelastic dark matter scattering. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 049-049. | 1.9 | 55 |
| 39 | Prospects for Neutrino Oscillation Physics. Advances in High Energy Physics, 2013, 2013, 1-29. | 0.5 | 17 |
| 40 | Astrophysics-Independent Bounds on the Annual Modulation of Dark Matter Signals. Physical Review Letters, 2012, 109, 141301. | 2.9 | 58 |
| 41 | Identifying the neutrino mass ordering with INO and NOvA. Journal of High Energy Physics, 2012, 2012, 1. | 1.6 | 32 |
| 42 | Global fit to three neutrino mixing: critical look at present precision. Journal of High Energy Physics, 2012, 2012, 1. | 1.6 | 465 |
| 43 | 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 |
| 44 | Global neutrino data and recent reactor fluxes: the status of three-flavour oscillation parameters. New Journal of Physics, 2011, 13, 063004. | 1.2 | 162 |
| 45 | Dark matter attempts for CoGeNT and DAMA. Journal of Cosmology and Astroparticle Physics, 2011, 2011, 008-008. | 1.9 | 72 |
| 46 | Are There Sterile Neutrinos at the eV Scale?. Physical Review Letters, 2011, 107, 091801. | 2.9 | 212 |
| 47 | $\hat{1}3$: phenomenology, present status and prospect. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 103001. | 1.4 | 56 |
| 48 | 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 |
| 49 | Neutrino oscillations: Present status and outlook. Pramana - Journal of Physics, 2009, 72, 119-129. | 0.9 | 4 |
| 50 | 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 |
| 51 | Sterile neutrino oscillations after first MiniBooNE results. Physical Review D, 2007, 76, . | 1.6 | 169 |
| 52 | 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 |
| 53 | Physics potential of the CERN-MEMPHYS neutrino oscillation project. Journal of High Energy Physics, 2007, 2007, 003-003. | 1.6 | 90 |
| 54 | What is the probability that $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x$ | 1.5 | 26 |

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|----|--|-----|-----------|
| 55 | Explaining LSND by a decaying sterile neutrino. Journal of High Energy Physics, 2005, 2005, 048-048. | 1.6 | 86 |
| 56 | Resolving parameter degeneracies in long-baseline experiments by atmospheric neutrino data. Physical Review D, 2005, 71, . | 1.6 | 81 |