

Michele Maltoni

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1170154/publications.pdf>

Version: 2024-02-01

86
papers

9,169
citations

41258

49
h-index

66788

78
g-index

87
all docs

87
docs citations

87
times ranked

3913
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	Neutrino oscillation constraints on $U(1)$ models: from non-standard interactions to long-range forces. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	31
3	NuFIT: Three-Flavour Global Analyses of Neutrino Oscillation Experiments. <i>Universe</i> , 2021, 7, 459.	0.9	48
4	Improved global fit to Non-Standard neutrino Interactions using COHERENT energy and timing data. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	51
5	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
6	Addendum to: Improved global fit to non-standard neutrino interactions using COHERENT energy and timing data. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	26
7	Addendum to: Updated constraints on non-standard interactions from global analysis of oscillation data. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	14
8	On the determination of leptonic CP violation and neutrino mass ordering in presence of non-standard interactions: present status. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	40
9	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
10	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
11	Updated constraints on non-standard interactions from global analysis of oscillation data. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	131
12	Neutrino discovery limit of Dark Matter direct detection experiments in the presence of non-standard interactions. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	46
13	A New Generation of Standard Solar Models. <i>Astrophysical Journal</i> , 2017, 835, 202.	1.6	239
14	Updated fit to three neutrino mixing: exploring the accelerator-reactor complementarity. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	444
15	Curtailing the dark side in non-standard neutrino interactions. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	82
16	Sterile neutrinos or flux uncertainties? Status of the reactor anti-neutrino anomaly. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	74
17	COHERENT enlightenment of the neutrino dark side. <i>Physical Review D</i> , 2017, 96, .	1.6	97
18	Non-standard neutrino interactions in the earth and the flavor of astrophysical neutrinos. <i>Astroparticle Physics</i> , 2016, 84, 15-22.	1.9	25

#	ARTICLE	IF	CITATIONS
19	Updated determination of the solar neutrino fluxes from solar neutrino data. Journal of High Energy Physics, 2016, 2016, 1.	1.6	69
20	Solar neutrinos and neutrino physics. European Physical Journal A, 2016, 52, 1.	1.0	57
21	Global analyses of neutrino oscillation experiments. Nuclear Physics B, 2016, 908, 199-217.	0.9	145
22	Bayesian global analysis of neutrino oscillation data. Journal of High Energy Physics, 2015, 2015, 1.	1.6	41
23	Updated fit to three neutrino mixing: status of leptonic CP violation. Journal of High Energy Physics, 2014, 2014, 1.	1.6	432
24	Global Status of Sterile Neutrino Scenario. , 2014, , .		0
25	Determination of matter potential from global analysis of neutrino oscillation data. Journal of High Energy Physics, 2013, 2013, 1.	1.6	100
26	Sterile neutrino oscillations: the global picture. Journal of High Energy Physics, 2013, 2013, 1.	1.6	352
27	High intensity neutrino oscillation facilities in Europe. Physical Review Special Topics: Accelerators and Beams, 2013, 16, .	1.8	25
28	The minimal $3\hat{\nu}+2$ neutrino model versus oscillation anomalies. Journal of High Energy Physics, 2012, 2012, 1.	1.6	66
29	Global fit to three neutrino mixing: critical look at present precision. Journal of High Energy Physics, 2012, 2012, 1.	1.6	465
30	Testing matter effects in propagation of atmospheric and long-baseline neutrinos. Journal of High Energy Physics, 2011, 2011, 1.	1.6	62
31	Minimal models with light sterile neutrinos. Journal of High Energy Physics, 2011, 2011, 1.	1.6	31
32	Are There Sterile Neutrinos at the eV Scale?. Physical Review Letters, 2011, 107, 091801.	2.9	212
33	Updated global fit to three neutrino mixing: status of the hints of $\hat{\nu}$, 13 > 0. Journal of High Energy Physics, 2010, 2010, 1.	1.6	222
34	Direct determination of the solar neutrino fluxes from solar neutrino data. Journal of High Energy Physics, 2010, 2010, 1.	1.6	24
35	Robust cosmological bounds on neutrinos and their combination with oscillation results. Journal of High Energy Physics, 2010, 2010, 1.	1.6	81
36	Energy dependent neutrino flavor ratios from cosmic accelerators on the Hillas plot. Astroparticle Physics, 2010, 34, 205-224.	1.9	66

#	ARTICLE	IF	CITATIONS
37	Physics at a future Neutrino Factory and super-beam facility. Reports on Progress in Physics, 2009, 72, 106201.	8.1	174
38	Neutrino physics at and above GeV energies. Nuclear Physics, Section B, Proceedings Supplements, 2009, 188, 383-387.	0.5	0
39	Status of oscillation plus decay of atmospheric and long-baseline neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 663, 405-409.	1.5	93
40	Phenomenology with massive neutrinos. Physics Reports, 2008, 460, 1-129.	10.3	565
41	Testing neutrino flavor mixing plus decay with neutrino telescopes. Journal of High Energy Physics, 2008, 2008, 064-064.	1.6	53
42	Neutrino oscillograms of the Earth: effects of 1-2 mixing and CP-violation. Journal of High Energy Physics, 2008, 2008, 072-072.	1.6	58
43	Radiography of Earth's Core and Mantle with Atmospheric Neutrinos. Physical Review Letters, 2008, 100, 061802.	2.9	42
44	New interactions: past and future experiments. Journal of Physics: Conference Series, 2008, 136, 022024.	0.3	4
45	Sterile neutrinos after the first MiniBooNE results. Journal of Physics: Conference Series, 2008, 110, 082011.	0.3	2
46	Large underground, liquid based detectors for astro-particle physics in Europe: scientific case and prospects. Journal of Cosmology and Astroparticle Physics, 2007, 2007, 011-011.	1.9	99
47	1-3 leptonic mixing and the neutrino oscillograms of the Earth. Journal of High Energy Physics, 2007, 2007, 077-077.	1.6	56
48	Extraction of the atmospheric neutrino fluxes from experimental event rate data. Journal of Physics A: Mathematical and Theoretical, 2007, 40, 7093-7097.	0.7	0
49	Sterile neutrino oscillations after first MiniBooNE results. Physical Review D, 2007, 76, .	1.6	169
50	Physics potential of the CERN-MEMPHYS neutrino oscillation project. Journal of High Energy Physics, 2007, 2007, 003-003.	1.6	90
51	Sterile neutrinos at the CNCS. Journal of High Energy Physics, 2007, 2007, 013-013.	1.6	34
52	Determination of the atmospheric neutrino flux from experimental data. Astrophysics and Space Science, 2007, 309, 447-451.	0.5	1
53	Determination of the atmospheric neutrino flux from experimental data. , 2007, , 447-451.		0
54	Determination of the atmospheric neutrino fluxes from atmospheric neutrino data. Journal of High Energy Physics, 2006, 2006, 075-075.	1.6	44

#	ARTICLE	IF	CITATIONS
55	Sub-leading 1-2 effects in Atmospheric Neutrinos. Nuclear Physics, Section B, Proceedings Supplements, 2005, 145, 49-52.	0.5	0
56	Status of global fits to neutrino oscillations. Nuclear Physics, Section B, Proceedings Supplements, 2005, 143, 523.	0.5	0
57	Describing Oscillations of High Energy Neutrinos in Matter Precisely. Physical Review Letters, 2005, 95, 211801.	2.9	38
58	Resolving parameter degeneracies in long-baseline experiments by atmospheric neutrino data. Physical Review D, 2005, 71, .	1.6	81
59	Physics reach of high-energy and high-statistics IceCube atmospheric neutrino data. Physical Review D, 2005, 71, .	1.6	104
60	Atmospheric neutrino oscillations and new physics. Physical Review D, 2004, 70, .	1.6	154
61	Measuring the deviation of the $2\theta_{13}$ lepton mixing from maximal with atmospheric neutrinos. Physical Review D, 2004, 70, .	1.6	57
62	Atmospheric neutrinos as probes of neutrino-matter interactions. Physical Review D, 2004, 70, .	1.6	108
63	Status of global fits to neutrino oscillations. New Journal of Physics, 2004, 6, 122-122.	1.2	702
64	CAN FOUR NEUTRINOS EXPLAIN GLOBAL OSCILLATION DATA INCLUDING LSND & COSMOLOGY?. , 2004, , .		0
65	Impact of two mass scale oscillations on the analysis of atmospheric and reactor neutrino data. European Physical Journal C, 2003, 26, 417-428.	1.4	33
66	Standard and non-standard physics in neutrino oscillations. Nuclear Physics, Section B, Proceedings Supplements, 2003, 114, 191-196.	0.5	5
67	Global analysis of neutrino oscillation data in four-neutrino schemes. Nuclear Physics, Section B, Proceedings Supplements, 2003, 114, 203-207.	0.5	14
68	Combining the first KamLAND results with solar neutrino data. Physical Review D, 2003, 67, .	1.6	65
69	Status of three-neutrino oscillations after the SNO-salt data. Physical Review D, 2003, 68, .	1.6	135
70	Constraining Majorana neutrino electromagnetic properties from the LMA-MSW solution of the solar neutrino problem. Nuclear Physics B, 2003, 648, 376-396.	0.9	67
71	Constraining neutrino oscillation parameters with current solar and atmospheric data. Physical Review D, 2003, 67, .	1.6	75
72	Testing the statistical compatibility of independent data sets. Physical Review D, 2003, 68, .	1.6	95

#	ARTICLE	IF	CITATIONS
73	Status of the CPT violating interpretations of the LSND signal. Physical Review D, 2003, 68, .	1.6	55
74	Large Mixing Angle Oscillations as a Probe of the Deep Solar Interior. Astrophysical Journal, 2003, 588, L65-L68.	1.6	42
75	Status of four-neutrino mass schemes: A global and unified approach to current neutrino oscillation data. Physical Review D, 2002, 65, .	1.6	47
76	Status of a hybrid three-neutrino interpretation of neutrino data. Nuclear Physics B, 2002, 629, 479-490.	0.9	68
77	Global analysis of solar and atmospheric neutrino data. Physics of Atomic Nuclei, 2002, 65, 2125-2134.	0.1	0
78	Global three-neutrino oscillation analysis of neutrino data. Physical Review D, 2001, 63, .	1.6	157
79	On the search for 50 GeV neutrinos. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 503, 126-132.	1.5	11
80	Cornering (3+1) sterile neutrino schemes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 518, 252-260.	1.5	44
81	Analysis of the atmospheric neutrino data in terms of $3\frac{1}{2}$ oscillations. Nuclear Physics, Section B, Proceedings Supplements, 2001, 95, 108-115.	0.5	2
82	Probing neutrino nonstandard interactions with atmospheric neutrino data. Physical Review D, 2001, 65, .	1.6	132
83	Solar and atmospheric four-neutrino oscillations. Physical Review D, 2001, 64, .	1.6	49
84	Extra quark-lepton generations and precision measurements. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 476, 107-115.	1.5	89
85	Diminishing $\tilde{\chi}$ charginos nearly degenerate with the lightest neutralino $\tilde{\chi}_0$ using precision data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 463, 230-233.	1.5	5
86	ON THE NUMERICAL CLOSENESS OF THE EFFECTIVE PHENOMENOLOGICAL ELECTROWEAK MIXING ANGLE $\hat{\theta}$, AND THE $\overline{m_{MS}}$ PARAMETER θ . Modern Physics Letters A, 1998, 13, 3099-3107.	0.5	1