

Nobel Lecture: Discovery of atmospheric neutrino oscillation

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Efficient numerical integration of neutrino oscillations in matter. <i>Physical Review D</i> , 2016, 94, .	1.6	3
2	Systematic uncertainties in long-baseline neutrino-oscillation experiments. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 054001.	1.4	30
3	Symmetric formulation of neutrino oscillations in matter and its intrinsic connection to renormalization-group equations. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 044006.	1.4	12
4	Alternative schemes of predicting lepton mixing parameters from discrete flavor and CP symmetry. <i>Physical Review D</i> , 2017, 95, .	1.6	24
5	Discovery probability of next-generation neutrinoless double- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle^2 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ decay experiments. <i>Physical Review D</i> , 2017, 96, .	1.6	85
6	Introduction to Neutrino Oscillation. <i>Springer Theses</i> , 2017, , 5-29.	0.0	0
7	Naturalness, vacuum stability, and leptogenesis in the minimal seesaw model. <i>Physical Review D</i> , 2017, 95, .	1.6	66
8	Probing atmospheric mixing and leptonic CP violation in current and future long baseline oscillation experiments. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 771, 524-531.	1.5	21
9	Predictive Pati-Salam theory of fermion masses and mixing. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	26
10	Probing CP violation with non-unitary mixing in long-baseline neutrino oscillation experiments: DUNE as a case study. <i>New Journal of Physics</i> , 2017, 19, 093005.	1.2	64
11	Matter-parity as a residual gauge symmetry: Probing a theory of cosmological dark matter. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 772, 825-831.	1.5	43
12	Probing direct and indirect unitarity violation in future accelerator neutrino facilities. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 774, 217-224.	1.5	24
13	Nuclear structure and weak probes. <i>AIP Conference Proceedings</i> , 2017, , .	0.3	0
14	Towards gauge coupling unification in left-right symmetric $SU(3)_C \times SU(3)_L \times SU(3)_R \times U(1)_X$ theories. <i>Physical Review D</i> , 2017, 96, .	1.6	18
15	Overview on Neutrino Theory and Phenomenology. <i>Nuclear and Particle Physics Proceedings</i> , 2017, 287-288, 127-132.	0.2	0
16	Relativistic N-body simulations with massive neutrinos. <i>Journal of Cosmology and Astroparticle Physics</i> , 2017, 2017, 004-004.	1.9	54
17	Probing light sterile neutrino signatures at reactor and Spallation Neutron Source neutrino experiments. <i>Physical Review D</i> , 2017, 96, .	1.6	55
18	Implications of residual $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle C \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle P \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ symmetry for leptogenesis in a model with two right-handed neutrinos. <i>Physical Review D</i> , 2017, 96, .	1.6	16

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19	Resolving the atmospheric octant by an improved measurement of the reactor angle. <i>Physical Review D</i> , 2017, 96, .	1.6	7
20	Broken $S_{3L} \times S_{3R}$ flavor symmetry and leptonic CP violation. <i>Chinese Physics C</i> , 2017, 41, 113105.	1.5	5
21	Heavy Higgs boson production at colliders in the singlet-triplet scotogenic dark matter model. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	15
22	Neutrino oscillations: status and prospects of accelerator and reactor experiments. <i>Journal of Physics: Conference Series</i> , 2017, 934, 012001.	0.3	1
23	Weyl and Dirac semimetals in three-dimensional solids. <i>Reviews of Modern Physics</i> , 2018, 90, .	16.4	3,031
24	Study of oscillations with accelerator and reactor neutrinos. <i>EPJ Web of Conferences</i> , 2018, 191, 01001.	0.1	0
25	Systematic analysis of Dirac neutrino masses from a dimension five operator. <i>Physical Review D</i> , 2018, 97, .	1.6	33
26	The new $\hat{1}\frac{1}{2}\text{MSM}$ ($\hat{1}\frac{1}{2}\hat{1}\frac{1}{2}\text{MSM}$): radiative neutrino masses, keV-scale dark matter and viable leptogenesis with sub-TeV new physics. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	38
27	Neutrino masses and their ordering: global data, priors and models. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 011-011.	1.9	74
28	Berry curvature force and Lorentz force comparison in the magnetotransport of Weyl semimetals. <i>Physical Review B</i> , 2018, 98, .	1.1	17
29	Decaying warm dark matter and structure formation. <i>Journal of Cosmology and Astroparticle Physics</i> , 2018, 2018, 026-026.	1.9	11
30	Zooming in on neutrino oscillations with DUNE. <i>Physical Review D</i> , 2018, 97, .	1.6	19
31	IceCube bounds on sterile neutrinos above 10 eV. <i>European Physical Journal C</i> , 2018, 78, 1.	1.4	15
32	Natural and dynamical neutrino mass mechanism at the LHC. <i>Physical Review D</i> , 2018, 98, .	1.6	1
33	Investigation of dark matter in the 3-2-3-1 model. <i>Physical Review D</i> , 2018, 98, .	1.6	9
34	New light Higgs boson and short-baseline neutrino anomalies. <i>Physical Review D</i> , 2018, 97, .	1.6	25
35	Current unknowns in the three-neutrino framework. <i>Progress in Particle and Nuclear Physics</i> , 2018, 102, 48-72.	5.6	184
36	Search for neutrinoless $\hat{1}^2+\text{EC}$ decay of Te_{120} with CUORE-0. <i>Physical Review C</i> , 2018, 97, .	1.1	15

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38	Status of neutrino oscillations 2018: 3 σ hint for normal mass ordering and improved CP sensitivity. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 633-640.	1.5	454
39	Direct Observation of Incoherent Cherenkov Diffraction Radiation in the Visible Range. Physical Review Letters, 2018, 121, 054802.	2.9	25
40	Neutrino predictions from generalized CP symmetries of charged leptons. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
41	Testing a lepton quarticity flavor theory of neutrino oscillations with the DUNE experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 459-463.	1.5	20
42	Neutrino oscillations and Lorentz invariance violation in a Finslerian geometrical model. European Physical Journal C, 2018, 78, 1.	1.4	28
43	Seesaw roadmap to neutrino mass and dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 122-128.	1.5	63
44	CP symmetries as guiding posts: revamping tri-bi-maximal mixing. Part I. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
45	Neutrinoless Double-Beta Decay: Status and Prospects. Annual Review of Nuclear and Particle Science, 2019, 69, 219-251.	3.5	335
46	Testing generalized $C</math>P</math> symmetries with precision studies at DUNE. Physical Review D, 2019, 99, .$	1.6	12
47	Probing neutrino transition magnetic moments with coherent elastic neutrino-nucleus scattering. Journal of High Energy Physics, 2019, 2019, 1.	1.6	55
48	Sub-GeV Atmospheric Neutrinos and $C</math>P</math> Violation in DUNE. Physical Review Letters, 2019, 123, 081801.$	2.9	30
49	Spin-independent two-neutrino exchange potential with mixing and $C</math>P</math> violation. Physical Review D, 2019, 99, .$	1.6	10
50	New results and perspectives in neutrino physics. EPJ Web of Conferences, 2019, 212, 01005.	0.1	0
51	Kinetic mixing effect in noncommutative $B \hat{=} L$ gauge theory. Journal of High Energy Physics, 2019, 2019, 1.	1.6	4
52	Simplest scoto-seesaw mechanism. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 132-136.	1.5	24
53	Cosmological measurements from angular power spectra analysis of BOSS DR12 tomography. Monthly Notices of the Royal Astronomical Society, 2019, 485, 326-355.	1.6	44
54	Flavor changing in the flipped trinification. Physical Review D, 2019, 99, .	1.6	7

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56	Standard versus non-standard CP phases in neutrino oscillation in matter with non-unitarity. Progress of Theoretical and Experimental Physics, 2020, 2020, .	1.8	14
57	Physics of parameter correlations around the solar-scale enhancement in neutrino theory with unitarity violation. Progress of Theoretical and Experimental Physics, 2020, 2020, .	1.8	7
58	Scotogenic dark matter in an orbifold theory of flavor. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
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63	One-loop Type II seesaw neutrino model with stable dark matter candidates. Nuclear Physics B, 2020, 961, 115219.	0.9	1
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66	The Viability of the $3\hat{A}+1$ Neutrino Model in the Supernova Neutrino Process. Astrophysical Journal, 2020, 894, 99.	1.6	4
67	Flavour and CP predictions from orbifold compactification. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135195.	1.5	12
68	Probing the predictions of an orbifold theory of flavor. Physical Review D, 2020, 101, .	1.6	7
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70	Neutrino Oscillations and Lorentz Invariance Violation. Universe, 2020, 6, 37.	0.9	12
71	Neutron flux and spectrum in the Dresden Felsenkeller underground facility studied by moderated ^3He counters. Physical Review D, 2020, 101, .	1.6	10
72	Accurately weighing neutrinos with cosmological surveys. Physical Review D, 2021, 103, .	1.6	14

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75	Neutral-current background induced by atmospheric neutrinos at large liquid-scintillator detectors. II. Methodology for ν measurements. Physical Review D, 2021, 103, .	1.6	8
76	Form factors of the nucleon axial current. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 815, 136150.	1.5	21
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80	Trimaximal neutrino mixing from scotogenic A4 family symmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 815, 136122.	1.5	6
81	Model independent analysis of Dirac CP violating phase for some well-known mixing scenarios. International Journal of Modern Physics A, 2021, 36, 2150118.	0.5	4
82	Chiral dynamics and Zitterbewegung of Weyl quasiparticles in a magnetic field. New Journal of Physics, 2021, 23, 073031.	1.2	4
83	Dynamical inverse seesaw mechanism as a simple benchmark for electroweak breaking and Higgs boson studies. Journal of High Energy Physics, 2021, 2021, 1.	1.6	6
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85	Interaction of supernova neutrinos with stochastic gravitational waves. Physical Review D, 2021, 104, .	1.6	9
86	Andreev reflection in Fermi-arc surface states of Weyl semimetals. Physical Review B, 2021, 104, .	1.1	7
87	The simplest scoto-seesaw model: WIMP dark matter phenomenology and Higgs vacuum stability. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136458.	1.5	14
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89	Dark matter as the origin of neutrino mass in the inverse seesaw mechanism. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 821, 136609.	1.5	13
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92	Noninvasive bunch length measurements exploiting Cherenkov diffraction radiation. Physical Review Accelerators and Beams, 2020, 23, .	0.6	16
93	Neutrino oscillations from warped flavor symmetry: Predictions for long baseline experiments T2K, NOvA, and DUNE. Physical Review D, 2017, 95, .	1.6	9
94	Neutrino oscillations in a quantum processor. Physical Review Research, 2019, 1, .	1.3	19
95	Testing the inverted neutrino mass ordering with neutrinoless double- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle^2 \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ decay. Physical Review C, 2021, 104, .	1.1	15
96	CUDA Support in GNA Data Analysis Framework. Lecture Notes in Computer Science, 2018, , 12-24.	1.0	0
97	Sterile Neutrinos in Astrophysical Environments : Big Bang Nucleosynthesis and Supernova Neutrino Process. , 2020, , .		0
98	Atomic Spectroscopy and the Photon Mass: Effects on the hydrogen ground-state. International Journal of Engineering Research and Technology, 2020, 13, 2096.	0.3	1
99	The Electroweak Model and the Significant Role of the Higgs Field. , 2020, , 229-237.		0
100	Massive Neutrinos and How to Search for Them with Cosmological Observations. Springer Theses, 2020, , 65-121.	0.0	0
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103	Conductance oscillation in surface junctions of Weyl semimetals. Physical Review B, 2021, 104, .	1.1	2
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105	Neutrino Flavor Conversions in High-Density Astrophysical and Cosmological Environments. Universe, 2022, 8, 94.	0.9	32
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107	Gauge Origin of Double Dark Parity and Implication for Dark Matter. Communications in Physics, 2022, 32, 101.	0.0	0
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110	Dark charge versus electric charge. Physical Review D, 2022, 105, .	1.6	2
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112	Toward diagnosing neutrino non-unitarity through CP phase correlations. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	2
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117	Screening models and neutrino oscillations. Physics of the Dark Universe, 2022, 37, 101067.	1.8	1
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119	Combined significance of spatial coincidence of high energy neutrinos from PSR B1509-58 by Super-Kamiokande and MACRO. Journal of Cosmology and Astroparticle Physics, 2022, 2022, 001.	1.9	1
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125	Mass oscillations and matter wave ψ 's phase and amplitude modulations of relativistic quantum particles induced by Heisenberg $\Delta x \Delta p$ uncertainty principle. Scientific Reports, 2022, 12, .	1.6	0
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135	Implications of first LZ and XENONnT results: A comparative study of neutrino properties and light mediators. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 839, 137742.	1.5	12
136	Probing the mechanism of neutrinoless double-beta decay in multiple isotopes. Journal of High Energy Physics, 2023, 2023, .	1.6	5
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