# Akitaka Ariga

List of Publications by Year
in descending order



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|---|---|---|---|
| 150 papers | 7,684 citations | 76031 42 h-index | 60403 85 g-index |
| 157 all docs | 157 docs citations | 157 times ranked | 3404 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | SMAUG v1.0 â€“ a user-friendly muon simulator for the imaging of geological objects in 3-D. Geoscientific Model Development, 2022, 15, 2441-2473. | 1.3 | 1 |
| 2 | The tracking detector of the FASER experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1034, 166825. | 0.7 | 10 |
| 3 | The Forward Physics Facility: Sites, experiments, and physics potential. Physics Reports, 2022, 968, 1-50. | 10.3 | 57 |
| 4 | Measurements of Î½Ì... Î¼ and Î½Ì... Î¼ + Î½ Î¼ charged-current cross-sections without detected pions or protons on water and hydrocarbon at a mean anti-neutrino energy of 0.86 GeV. Progress of Theoretical and Experimental Physics, 2021, 2021, . | 1.8 | 6 |
| 5 | Prospects for beyond the Standard Model physics searches at the Deep Underground Neutrino Experiment. European Physical Journal C, 2021, 81, 322. | 1.4 | 69 |
| 6 | STUDY OF TeV NEUTRINOS IN THE FASER EXPERIMENT AT THE LHC. , 2021, , . | | 0 |
| 7 | DsTau (NA65): STUDY OF TAU NEUTRINO PRODUCTION AT THE CERN-SPS. , 2021, , . | | 0 |
| 8 | OPERA tau neutrino charged current interactions. Scientific Data, 2021, 8, 218. | 2.4 | 3 |
| 9 | Muon tomography in geoscientific research â€“ A guide to best practice. Earth-Science Reviews, 2021, 222, 103842. | 4.0 | 13 |
| 10 | First neutrino interaction candidates at the LHC. Physical Review D, 2021, 104, . | 1.6 | 32 |
| 11 | The trigger and data acquisition system of the FASER experiment. Journal of Instrumentation, 2021, 16, P12028. | 0.5 | 13 |
| 12 | The QUPLAS experimental apparatus for antimatter interferometry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 951, 163019. | 0.7 | 5 |
| 13 | Sensitivity of emulsion detectors to low energy positrons. Journal of Instrumentation, 2020, 15, P03027-P03027. | 0.5 | 4 |
| 14 | Long-baseline neutrino oscillation physics potential of the DUNE experiment. European Physical Journal C, 2020, 80, 1. | 1.4 | 93 |
| 15 | Novel tracking approach based on fully-unsupervised disentanglement of the geometrical factors of variation. Journal of Instrumentation, 2020, 15, P03009-P03009. | 0.5 | 1 |
| 16 | First observation of a tau neutrino charged current interaction with charm production in the OPERA experiment. European Physical Journal C, 2020, 80, 1. | 1.4 | 3 |
| 17 | Measurement of the charged-current electron (anti-)neutrino inclusive cross-sections at the T2K off-axis near detector ND280. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 14 |
| 18 | First measurement of the charged current <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mover accent="true"><mml:mi>Î½</mml:mi><mml:mo stretchy="false">Â¯</mml:mo></mml:mover><mml:mi>Î¼</mml:mi></mml:msub></mml:math> double differential cross section on a water target without pions in the final state. Physical Review D, 2020, 102, . | 1.6 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Search for Electron Antineutrino Appearance in a Long-Baseline Muon Antineutrino Beam. Physical Review Letters, 2020, 124, 161802. | 2.9 | 13 |
| 20 | First combined measurement of the muon neutrino and antineutrino charged-current cross section without pions in the final state at T2K. Physical Review D, 2020, 101, . | 1.6 | 21 |
| 21 | Simultaneous measurement of the muon neutrino charged-current cross section on oxygen and carbon without pions in the final state at T2K. Physical Review D, 2020, 101, . | 1.6 | 24 |
| 22 | Measurement of the muon neutrino charged-current single Ï€+ production on hydrocarbon using the T2K off-axis near detector ND280. Physical Review D, 2020, 101, . | 1.6 | 9 |
| 23 | VivoFollow 2: Distortion-Free Multiphoton Intravital Imaging. Frontiers in Physics, 2020, 7, . | 1.0 | 11 |
| 24 | Detecting and studying high-energy collider neutrinos with FASER at the LHC. European Physical Journal C, 2020, 80, 1. | 1.4 | 79 |
| 25 | Constraint on the matterâ€“antimatter symmetry-violating phase in neutrino oscillations. Nature, 2020, 580, 339-344. | 13.7 | 313 |
| 26 | Nuclear Emulsions. , 2020, , 383-438. | | 9 |
| 27 | DsTau: study of tau neutrino production with 400 GeV protons from the CERN-SPS. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 29 |
| 28 | Search for neutral-current induced single photon production at the ND280 near detector in T2K. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 08LT01. | 1.4 | 10 |
| 29 | Measurement of the cosmic ray muon flux seasonal variation with the OPERA detector. Journal of Cosmology and Astroparticle Physics, 2019, 2019, 003-003. | 1.9 | 12 |
| 30 | Measurement of the muon neutrino charged-current cross sections on water, hydrocarbon and iron, and their ratios, with the T2K on-axis detectors. Progress of Theoretical and Experimental Physics, 2019, 2019, . | 1.8 | 8 |
| 31 | Search for heavy neutrinos with the T2K near detector ND280. Physical Review D, 2019, 100, . | 1.6 | 46 |
| 32 | FASERâ€™s physics reach for long-lived particles. Physical Review D, 2019, 99, . | 1.6 | 205 |
| 33 | Bedrock sculpting under an active alpine glacier revealed from cosmic-ray muon radiography. Scientific Reports, 2019, 9, 6970. | 1.6 | 21 |
| 34 | First demonstration of antimatter wave interferometry. Science Advances, 2019, 5, eaav7610. | 4.7 | 38 |
| 35 | Search for light sterile neutrinos with the T2K far detector Super-Kamiokande at a baseline of 295Âkm. Physical Review D, 2019, 99, . | 1.6 | 22 |
| 36 | Measurement of neutrino and antineutrino neutral-current quasielasticlike interactions on oxygen by detecting nuclear deexcitation <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math> rays. Physical Review D, 2019, 100, . | 1.6 | 15 |

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| 37 | Final results on neutrino oscillation parameters from the OPERA experiment in the CNGS beam. Physical Review D, 2019, 100, . | 1.6 | 9 |
| 38 | Latest results of the OPERA experiment on nu-tau appearance in the CNGS neutrino beam. , 2019, , . | | 1 |
| 39 | Study of charged hadron multiplicities in charged-current neutrinoâ€“lead interactions in the OPERA detector. European Physical Journal C, 2018, 78, 1. | 1.4 | 9 |
| 40 | Measurement of the single Ï€0 production rate in neutral current neutrino interactions on water. Physical Review D, 2018, 97, . | 1.6 | 4 |
| 41 | The effect of rock composition on muon tomography measurements. Solid Earth, 2018, 9, 1517-1533. | 1.2 | 15 |
| 42 | Search for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>P</mml:mi></mml:math> Violation in Neutrino and Antineutrino Oscillations by the T2K Experiment with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>2.2</mml:mn><mml:mo>Ã—</mml:mo><mml:msup><mml:mn>10</mml:mn><mml:mn>21</mml:mn></mml:msup><mml:mn>POT</mml:mn></mml:math> Final Results of the OPERA Experiment on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>Ï„</mml:mi></mml:msub></mml:math> Appearance in the CNGS Neutrino Beam. Physical Review Letters, 2018, 120, 211801. | 2.9 | 165 |
| 43 | Final Results of the OPERA Experiment on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>Ï„</mml:mi></mml:msub></mml:math> Appearance in the CNGS Neutrino Beam. Physical Review Letters, 2018, 120, 211801. | 2.9 | 91 |
| 44 | A Nuclear Emulsion Detector for the Muon Radiography of a Glacier Structure. Instruments, 2018, 2, 7. | 0.8 | 10 |
| 45 | Final results of the search for Î½Î¼ â†’ Î½e oscillations with the OPERA detector in the CNGS beam. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 15 |
| 46 | Nuclear emulsions for the detection of micrometric-scale fringe patterns: an application to positron interferometry. Journal of Instrumentation, 2018, 13, P05013-P05013. | 0.5 | 5 |
| 47 | Measurement of inclusive double-differential Î½Î¼ charged-current cross section with improved acceptance in the T2K off-axis near detector. Physical Review D, 2018, 98, . | 1.6 | 23 |
| 48 | Characterization of nuclear effects in muon-neutrino scattering on hydrocarbon with a measurement of final-state kinematics and correlations in charged-current pionless interactions at T2K. Physical Review D, 2018, 98, . | 1.6 | 66 |
| 49 | The Rho regulator Myosin IXb enables nonlymphoid tissue seeding of protective CD8+ T cells. Journal of Experimental Medicine, 2018, 215, 1869-1890. | 4.2 | 22 |
| 50 | First measurement of iceâ€“bedrock interface of alpine glaciers by cosmic muon radiography. Geophysical Research Letters, 2017, 44, 6244-6251. | 1.5 | 40 |
| 51 | Search for Lorentz and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>C</mml:mi><mml:mi>P</mml:mi><mml:mi>T</mml:mi></mml:math> violation using sidereal time dependence of neutrino flavor transitions over a short baseline. Physical Review D, 2017, 95, . | 1.6 | 19 |
| 52 | First measurement of the muon neutrino charged current single pion production cross section on water with the T2K near detector. Physical Review D, 2017, 95, . | 1.6 | 33 |
| 53 | Updated T2K measurements of muon neutrino and antineutrino disappearance using <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1.5</mml:mn><mml:mo>Ã—</mml:mo><mml:mn>1</mml:mn><mml:msup><mml:mn>0</mml:mn><mml:mn> protons on target. Physical Review D, 2017, 96, . | 1.6 | 23 |
| 54 | Combined Analysis of Neutrino and Antineutrino Oscillations at T2K. Physical Review Letters, 2017, 118, 151801. | 2.9 | 146 |

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|---|---|---|---|
| 55 | Measurement of neutrino and antineutrino oscillations by the T2K experiment including a new additional sample of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>e</mml:mi></mml:msub></mml:math>interactions at the far detector. Physical Review D, 2017, 96, . | 1.6 | 95 |
| 56 | Measurement of Î½Â¯Î¼ and Î½Î¼ charged current inclusive cross sections and their ratio with the T2K off-axis near detector. Physical Review D, 2017, 96, . | 1.6 | 9 |
| 57 | Measurement of antiproton annihilation on Cu, Ag and Au with emulsion films. Journal of Instrumentation, 2017, 12, P04021-P04021. | 0.5 | 4 |
| 58 | Extra-large crystal emulsion detectors for future large-scale experiments. Journal of Instrumentation, 2016, 11, P03003-P03003. | 0.5 | 8 |
| 59 | Probing antimatter gravity â€“ The AEGIS experiment at CERN. EPJ Web of Conferences, 2016, 126, 02016. | 0.1 | 2 |
| 60 | Determination of the muon charge sign with the dipolar spectrometers of the OPERA experiment. Journal of Instrumentation, 2016, 11, P07022-P07022. | 0.5 | 2 |
| 61 | Detection of low energy antimatter with emulsions. Journal of Instrumentation, 2016, 11, P06017-P06017. | 0.5 | 9 |
| 62 | Real-time tissue offset correction system for intravital multiphoton microscopy. Journal of Immunological Methods, 2016, 438, 35-41. | 0.6 | 45 |
| 63 | Upper bound on neutrino mass based on T2K neutrino timing measurements. Physical Review D, 2016, 93, . | 1.6 | 2 |
| 64 | Measurement of the muon neutrino inclusive charged-current cross section in the energy range of 1â€“3ÂGeV with the T2K INGRID detector. Physical Review D, 2016, 93, . | 1.6 | 14 |
| 65 | Measurement of Muon Antineutrino Oscillations with an Accelerator-Produced Off-Axis Beam. Physical Review Letters, 2016, 116, 181801. | 2.9 | 31 |
| 66 | Measurement of double-differential muon neutrino charged-current interactions onC8H8without pions in the final state using the T2K off-axis beam. Physical Review D, 2016, 93, . | 1.6 | 77 |
| 67 | Measurement of Coherent <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mi>Ï€</mml:mi></mml:mrow><mml:mrow><mml:mo>+</mml:mo></mml:mrow></mml:msup></mml:mrow></mml:math> Production in Low Energy Neutrino-Carbon Scattering. Physical Review Letters, 2016, 117, 192501. | 2.9 | 24 |
| 68 | Laser excitation of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>n</mml:mi><mml:mo>=</mml:mo><mml:mn>3</mml:mn></mml:mr of positronium for antihydrogen production. Physical Review A, 2016, 94, . | 1.0 | 3 |
| 69 | Direct detection of antiprotons with the Timepix3 in a new electrostatic selection beamline. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 831, 12-17. | 0.7 | 6 |
| 70 | The OPERA experiment. Nuclear and Particle Physics Proceedings, 2015, 267-269, 87-93. | 0.2 | 0 |
| 71 | Neutrino oscillation physics potential of the T2K experiment. Progress of Theoretical and Experimental Physics, 2015, 2015, . | 1.8 | 32 |
| 72 | Discovery of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ï„</mml:mi></mml:math>Neutrino Appearance in the CNGS Neutrino Beam with the OPERA Experiment. Physical Review Letters, 2015, 115, 121802. | 2.9 | 132 |

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|---|---|---|---|
| 73 | Measurements of neutrino oscillation in appearance and disappearance channels by the T2K experiment with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>6.6</mml:mn><mml:mo>Ã—</mml:mo><mml:mn>1</mml:mn><mml:msup><mml:mn>0</mml:mn><mml:mn on target. Physical Review D, 2015, 91, . | 1.6 | 205 |
| 74 | Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>Î¼</mml:mi></mml:msub></mml:math>charged current quasielastic cross section on carbon with the T2K on-axis neutrino beam. Physical Review D, 2015, 91, . | 1.6 | 36 |
| 75 | Measurement of the electron neutrino charged-current interaction rate on water with the T2K ND280<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>Ïƒ</mml:mi><mml:mn>0</mml:mn></mml:msup></mml:math>detector. Physical Review D, 2015, 91, . | 1.6 | 10 |
| 76 | Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Î½</mml:mi></mml:mrow><mml:mrow><mml:mi>Î¼</mml:mi></mml:mrow></mml:msub></mml:math>quasielastic cross section on carbon with the ND280 detector at T2K. Physical Review D, 2015, 92, . | 1.6 | 41 |
| 77 | Testing the Weak Equivalence Principle with an antimatter beam at CERN. Journal of Physics: Conference Series, 2015, 631, 012047. | 0.3 | 7 |
| 78 | Particle tracking at cryogenic temperatures: the Fast Annihilation Cryogenic Tracking (FACT) detector for the AEgIS antimatter gravity experiment. Journal of Instrumentation, 2015, 10, C02023-C02023. | 0.5 | 5 |
| 79 | Positron bunching and electrostatic transport system for the production and emission of dense positronium clouds into vacuum. Nuclear Instruments & Methods in Physics Research B, 2015, 362, 86-92. | 0.6 | 34 |
| 80 | Limits on muon-neutrino to tau-neutrino oscillations induced by a sterile neutrino state obtained by OPERA at the CNGS beam. Journal of High Energy Physics, 2015, 2015, 1. | 1.6 | 17 |
| 81 | Characterization of the dose distribution in the halo region of a clinical proton pencil beam using emulsion film detectors. Journal of Instrumentation, 2015, 10, P01007-P01007. | 0.5 | 2 |
| 82 | Experiments with low-energy antimatter. EPJ Web of Conferences, 2015, 96, 01007. | 0.1 | 1 |
| 83 | Measurement of the muon beam direction and muon flux for the T2K neutrino experiment. Progress of Theoretical and Experimental Physics, 2015, 2015, 53C01-0. | 1.8 | 9 |
| 84 | Physics potential of a long-baseline neutrino oscillation experiment using a J-PARC neutrino beam and Hyper-Kamiokande. Progress of Theoretical and Experimental Physics, 2015, 2015, 53C02-0. | 1.8 | 157 |
| 85 | Search for short baselineÎ½edisappearance with the T2K near detector. Physical Review D, 2015, 91, . | 1.6 | 14 |
| 86 | The AEgIS experiment. Hyperfine Interactions, 2015, 233, 13-20. | 0.2 | 18 |
| 87 | Emulsion detectors for the antihydrogen detection in AEgIS. Hyperfine Interactions, 2015, 233, 29-34. | 0.2 | 1 |
| 88 | Measurement of the Inclusive Electron Neutrino Charged Current Cross Section on Carbon with the T2K Near Detector. Physical Review Letters, 2014, 113, 241803. | 2.9 | 44 |
| 89 | Automatic track recognition for large-angle minimum ionizing particles in nuclear emulsions. Journal of Instrumentation, 2014, 9, P12017-P12017. | 0.5 | 10 |
| 90 | A moirÃ© deflectometer for antimatter. Nature Communications, 2014, 5, 4538. | 5.8 | 71 |

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| 91 | Measurement of the intrinsic electron neutrino component in the T2K neutrino beam with the ND280 detector. Physical Review D, 2014, 89, . | 1.6 | 26 |
| 92 | Measurement of the neutrino-oxygen neutral-current interaction cross section by observing nuclear deexcitation<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î³</mml:mi></mml:mrow></mml:math>rays. Physical Review D, 2014, 90, . | 1.6 | 20 |
| 93 | The AEgIS Experiment. Hyperfine Interactions, 2014, 228, 121-131. | 0.2 | 6 |
| 94 | Evidence for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>Î¼</mml:mi></mml:msub><mml:mo>â†'</mml:mo><mml:msub><mml:mi> in the CNGS neutrino beam with the OPERA experiment. Physical Review D, 2014, 89, . | 1.6 | 78 |
| 95 | Observation of tau neutrino appearance in the CNGS beam with the OPERA experiment. Progress of Theoretical and Experimental Physics, 2014, 2014, 101C01-101C01. | 1.8 | 37 |
| 96 | AEgIS experiment: Towards antihydrogen beam production for antimatter gravity measurements. European Physical Journal D, 2014, 68, 1. | 0.6 | 4 |
| 97 | Observation of Electron Neutrino Appearance in a Muon Neutrino Beam. Physical Review Letters, 2014, 112, 061802. | 2.9 | 369 |
| 98 | Measurement of the inclusive<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>Î¼</mml:mi></mml:msub></mml:math>charged current cross section on iron and hydrocarbon in the T2K on-axis neutrino beam. Physical Review D, 2014, 90, . | 1.6 | 38 |
| 99 | Precise Measurement of the Neutrino Mixing ParameterÎ¸23from Muon Neutrino Disappearance in an Off-Axis Beam. Physical Review Letters, 2014, 112, 181801. | 2.9 | 168 |
| 100 | Measurement of the TeV atmospheric muon charge ratio with the complete OPERA data set. European Physical Journal C, 2014, 74, 1. | 1.4 | 21 |
| 101 | Procedure for short-lived particle detection in the OPERA experiment and its application to charm decays. European Physical Journal C, 2014, 74, 1. | 1.4 | 31 |
| 102 | The mass-hierarchy and CP-violation discovery reach of the LBNO long-baseline neutrino experiment. Journal of High Energy Physics, 2014, 2014, 1. | 1.6 | 41 |
| 103 | Measuring the gravitational free-fall of antihydrogen. Hyperfine Interactions, 2014, 228, 151-157. | 0.2 | 4 |
| 104 | Recent Results from the T2K Experiment. Nuclear Physics, Section B, Proceedings Supplements, 2014, 246-247, 23-28. | 0.5 | 2 |
| 105 | Fast 4Ï€ track reconstruction in nuclear emulsion detectors based on GPU technology. Journal of Instrumentation, 2014, 9, P04002-P04002. | 0.5 | 22 |
| 106 | Development of nuclear emulsions operating in vacuum for the AEgIS experiment. Journal of Instrumentation, 2014, 9, C01061-C01061. | 0.5 | 2 |
| 107 | AE$overline {m{g}}$IS Experiment: Measuring the accelerationgof the earthâ€™s gravitational field on antihydrogen beam. EPJ Web of Conferences, 2014, 71, 00128. | 0.1 | 0 |
| 108 | Measuring GBAR with emulsion detector. International Journal of Modern Physics Conference Series, 2014, 30, 1460268. | 0.7 | 3 |

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| 109 | Measurement of the neutrino velocity with the OPERA detector in the CNGS beam using the 2012 dedicated data. Journal of High Energy Physics, 2013, 2013, 1. | 1.6 | 21 |
| 110 | Addendum: search for Î½ Î¼ â†' Î½ e oscillations with the OPERA experiment in the CNGS beam. Journal of High Energy Physics, 2013, 2013, 1. | 1.6 | 6 |
| 111 | Search for Î½ Î¼ â†' Î½ e oscillations with the OPERA experiment in the CNGS beam. Journal of High Energy Physics, 2013, 2013, 1. | 1.6 | 58 |
| 112 | Particle tracking at 4K: The Fast Annihilation Cryogenic Tracking (FACT) detector for the AEgIS antimatter gravity experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 437-441. | 0.7 | 10 |
| 113 | T2K neutrino flux prediction. Physical Review D, 2013, 87, . | 1.6 | 165 |
| 114 | Measurement of the inclusive<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>Î¼</mml:mi></mml:msub></mml:math>charged current cross section on carbon in the near detector of the T2K experiment. Physical Review D, 2013, 87, . | 1.6 | 94 |
| 115 | Measurement of Neutrino Oscillation Parameters from Muon Neutrino Disappearance with an Off-Axis Beam. Physical Review Letters, 2013, 111, 211803. | 2.9 | 79 |
| 116 | New results on Î½ Î¼ â†' Î½ Ï„ appearance with the OPERA experiment in the CNGS beam. Journal of High Energy Physics, 2013, 2013, 1. | 1.6 | 51 |
| 117 | Development of nuclear emulsions with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0011.gif" overflow="scroll"><mml:mn>1</mml:mn><mml:mspace width="0.25em" /><mml:mi mathvariant="normal">Î¼</mml:mi><mml:mi mathvariant="normal">m</mml:mi></mml:math> spatial resolution for the AEgIS experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 732, 325-329. | 0.7 | 43 |
| 118 | AEgIS experiment commissioning at CERN. AIP Conference Proceedings, 2013, , . | 0.3 | 18 |
| 119 | Evidence of electron neutrino appearance in a muon neutrino beam. Physical Review D, 2013, 88, . | 1.6 | 116 |
| 120 | Publisherâ€™s Note: T2K neutrino flux prediction [Phys. Rev. D87, 012001 (2013)]. Physical Review D, 2013, 87, . | 1.6 | 40 |
| 121 | Prospects for measuring the gravitational free-fall of antihydrogen with emulsion detectors. Journal of Instrumentation, 2013, 8, P08013-P08013. | 0.5 | 33 |
| 122 | A new application of emulsions to measure the gravitational force on antihydrogen. Journal of Instrumentation, 2013, 8, P02015-P02015. | 0.5 | 25 |
| 123 | Development and utilization of ``Plate Changer'' system for neutrino interaction locations in OPERA emulsion target. Journal of Instrumentation, 2013, 8, P02009-P02009. | 0.5 | 3 |
| 124 | Search forÎ½<sub>Î¼</sub>â†'Î½<sub>Ï„</sub>oscillation with the OPERA experiment in the CNGS beam. New Journal of Physics, 2012, 14, 033017. | 1.2 | 18 |
| 125 | First muon-neutrino disappearance study with an off-axis beam. Physical Review D, 2012, 85, . | 1.6 | 77 |
| 126 | A dedicated device for measuring the magnetic field of the ND280 magnet in the T2K experiment. Journal of Instrumentation, 2012, 7, P01018-P01018. | 0.5 | 1 |

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|---|---|---|---|
| 127 | Measurement of the neutrino velocity with the OPERA detector in the CNGS beam. Journal of High Energy Physics, 2012, 2012, 1. | 1.6 | 116 |
| 128 | Measurements of the T2K neutrino beam properties using the INGRID on-axis near detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 694, 211-223. | 0.7 | 86 |
| 129 | Momentum measurement by the multiple Coulomb scattering method in the OPERA lead-emulsion target. New Journal of Physics, 2012, 14, 013026. | 1.2 | 64 |
| 130 | The T2K experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 659, 106-135. | 0.7 | 585 |
| 131 | Measurement of the fragmentation of Carbon nuclei used in hadron-therapy. Nuclear Physics A, 2011, 853, 124-134. | 0.6 | 50 |
| 132 | Study of neutrino interactions with the electronic detectors of the OPERA experiment. New Journal of Physics, 2011, 13, 053051. | 1.2 | 44 |
| 133 | Indication of Electron Neutrino Appearance from an Accelerator-Produced Off-Axis Muon Neutrino Beam. Physical Review Letters, 2011, 107, 041801. | 2.9 | 1,054 |
| 134 | Recent Emulsion Technologies. , 2011, , . | | 1 |
| 135 | Measurement of the atmospheric muon charge ratio withÂtheÂOPERA detector. European Physical Journal C, 2010, 67, 25-37. | 1.4 | 26 |
| 136 | Observation of a first <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mi>Î½</mml:mi><mml:mi>l„</mml:mi></mml:msub></mml:math> candidate event in the OPERA experiment in the CNGS beam. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 691, 138-145. | 1.5 | 173 |
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