

Joshua Spitz

List of Publications by Year in descending order

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Version: 2024-02-01

110
papers

6,652
citations

76326

40
h-index

62596

80
g-index

111
all docs

111
docs citations

111
times ranked

2725
citing authors

#	ARTICLE	IF	CITATIONS
1	A deep-learning based raw waveform region-of-interest finder for the liquid argon time projection chamber. Journal of Instrumentation, 2022, 17, P01018.	1.2	3
2	Wire-cell 3D pattern recognition techniques for neutrino event reconstruction in large LArTPCs: algorithm description and quantitative evaluation with MicroBooNE simulation. Journal of Instrumentation, 2022, 17, P01037.	1.2	6
3	Search for Neutrino-Induced Neutral-Current $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \hat{p}$ Radiative Decay in MicroBooNE and a First Test of the MiniBooNE Low Energy Excess under a Single-Photon Hypothesis. Physical Review Letters, 2022, 128, 111801.	7.8	22
4	Neutrino physics opportunities with the IsoDAR source at Yemilab. Physical Review D, 2022, 105, .	4.7	15
5	New $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{CC} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle \tilde{\epsilon} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle$ GENIE model tune for MicroBooNE. Physical Review D, 2022, 105, .	4.7	18
6	Novel approach for evaluating detector-related uncertainties in a LArTPC using MicroBooNE data. European Physical Journal C, 2022, 82, .	3.9	10
7	Search for an anomalous excess of inclusive charged-current $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \frac{1}{2} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ interactions in the MicroBooNE experiment using Wire-Cell reconstruction. Physical Review D, 2022, .	4.7	15
8	Search for an anomalous excess of charged-current quasielastic $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \frac{1}{2} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ interactions with the MicroBooNE experiment using Deep-Learning-based reconstruction. Physical Review D, 2022, 105, .	4.7	20
9	Search for an Excess of Electron Neutrino Interactions in MicroBooNE Using Multiple Final-State Topologies. Physical Review Letters, 2022, 128, .	7.8	32
10	Search for an anomalous excess of charged-current $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \frac{1}{2} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ interactions without pions in the final state with the MicroBooNE experiment. Physical Review D, 2022, 105, .	4.7	17
11	Semantic segmentation with a sparse convolutional neural network for event reconstruction in MicroBooNE. Physical Review D, 2021, 103, .	4.7	19
12	Updated MiniBooNE neutrino oscillation results with increased data and new background studies. Physical Review D, 2021, 103, .	4.7	81
13	Prospects for beyond the Standard Model physics searches at the Deep Underground Neutrino Experiment. European Physical Journal C, 2021, 81, 322.	3.9	69
14	Convolutional neural network for multiple particle identification in the MicroBooNE liquid argon time projection chamber. Physical Review D, 2021, 103, .	4.7	15
15	Modeling quasielastic interactions of monoenergetic kaon decay-at-rest neutrinos. Physical Review C, 2021, 103, .	2.9	14
16	Cosmic Ray Background Rejection with Wire-Cell LArTPC Event Reconstruction in the MicroBooNE Detector. Physical Review Applied, 2021, 15, .	3.8	14
17	Cosmic Ray Background Removal With Deep Neural Networks in SBND. Frontiers in Artificial Intelligence, 2021, 4, 649917.	3.4	4
18	New Constraints on Tau-Coupled Heavy Neutral Leptons with Masses $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle m \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle$ Physical Review Letters, 2021, 127, 121801.	7.8	18

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19	Measurement of the flux-averaged inclusive charged-current electron neutrino and antineutrino cross section on argon using the NuMI beam and the MicroBooNE detector. Physical Review D, 2021, 104, .	4.7	21
20	The JSNS $\langle \text{si25.svg} \rangle$ $\langle \text{mrow} \rangle$ $\langle \text{msup} \rangle$ $\langle \text{mn} \rangle$ $\langle \text{mrow} \rangle$ $\langle \text{msup} \rangle$ $\langle \text{math} \rangle$ detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1014, 165742.	1.6	16
21	Calorimetric classification of track-like signatures in liquid argon TPCs using MicroBooNE data. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
22	Measuring Changes in the Atmospheric Neutrino Rate over Gigayear Timescales. Physical Review Letters, 2020, 125, 231802.	7.8	11
23	Calibration of the charge and energy loss per unit length of the MicroBooNE liquid argon time projection chamber using muons and protons. Journal of Instrumentation, 2020, 15, P03022-P03022.	1.2	34
24	Search for heavy neutral leptons decaying into muon-pion pairs in the MicroBooNE detector. Physical Review D, 2020, 101, .	4.7	28
25	Long-baseline neutrino oscillation physics potential of the DUNE experiment. European Physical Journal C, 2020, 80, 1.	3.9	93
26	First Measurement of Differential Charged Current Quasielasticlike $\langle \text{math} \rangle$ $\langle \text{math} \rangle$ $\langle \text{msub} \rangle$ $\langle \text{mi} \rangle$ $\langle \text{mi} \rangle$ $\langle \text{mi} \rangle$ $\langle \text{msub} \rangle$ $\langle \text{math} \rangle$ -Argon Scattering Cross Sections with the MicroBooNE Detector. Physical Review Letters, 2020, 125, 201803.	7.8	34
27	Reconstruction and measurement of $\nu(100)$ MeV energy electromagnetic activity from $\bar{\nu} \rightarrow \mu^+ \nu$ decays in the MicroBooNE LArTPC. Journal of Instrumentation, 2020, 15, P02007-P02007.	1.2	21
28	First measurement of electron neutrino scattering cross section on argon. Physical Review D, 2020, 102, .	4.7	16
29	Improved Limits on Millicharged Particles Using the ArgoNeUT Experiment at Fermilab. Physical Review Letters, 2020, 124, 131801.	7.8	46
30	Measurement of space charge effects in the MicroBooNE LArTPC using cosmic muons. Journal of Instrumentation, 2020, 15, P12037-P12037.	1.2	33
31	Measurement of differential cross sections for $\langle \text{math} \rangle$ $\langle \text{math} \rangle$ $\langle \text{msub} \rangle$ $\langle \text{mi} \rangle$ $\langle \text{mi} \rangle$ $\langle \text{mi} \rangle$ $\langle \text{msub} \rangle$ $\langle \text{math} \rangle$ -Ar charged-current interactions with protons and no pions in the final state with the MicroBooNE detector. Physical Review D, 2020, 102, .	4.7	30
32	First measurement of $\bar{\nu} \rightarrow \mu^+ \nu$ charged-current $\bar{\nu} \rightarrow \mu^+ \nu$ production on argon with the MicroBooNE detector. Physical Review D, 2019, 99, .	4.7	24
33	Rejecting cosmic background for exclusive charged current quasi elastic neutrino interaction studies with Liquid Argon TPCs; a case study with the MicroBooNE detector. European Physical Journal C, 2019, 79, 1.	3.9	7
34	First Measurement of Inclusive Muon Neutrino Charged Current Differential Cross Sections on Argon at $\langle \text{math} \rangle$ $\langle \text{math} \rangle$ $\langle \text{msub} \rangle$ $\langle \text{mi} \rangle$ $\langle \text{mi} \rangle$ $\langle \text{mi} \rangle$ $\langle \text{msub} \rangle$ $\langle \text{mo} \rangle$ $\langle \text{mo} \rangle$ $\langle \text{mn} \rangle$ $\langle \text{mn} \rangle$ $\langle \text{mn} \rangle$ $\langle \text{mn} \rangle$ with the MicroBooNE Detector. Physical Review Letters, 2019, 123, 131801.	7.8	53
35	Optimizing the ^8Li yield for the IsoDAR Neutrino Experiment. Journal of Instrumentation, 2019, 14, P03001-P03001.	1.2	10
36	Design and construction of the MicroBooNE Cosmic Ray Tagger system. Journal of Instrumentation, 2019, 14, P04004-P04004.	1.2	20

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37	Severe Constraints on New Physics Explanations of the MiniBooNE Excess. Physical Review Letters, 2019, 122, 081801.	7.8	22
38	Demonstration of MeV-scale physics in liquid argon time projection chambers using ArgoNeuT. Physical Review D, 2019, 99, .	4.7	45
39	First Measurement of Monoenergetic Muon Neutrino Charged Current Interactions. Physical Review Letters, 2018, 120, 141802.	7.8	25
40	The Pandora multi-algorithm approach to automated pattern recognition of cosmic-ray muon and neutrino events in the MicroBooNE detector. European Physical Journal C, 2018, 78, 82.	3.9	71
41	Significant Excess of Electronlike Events in the MiniBooNE Short-Baseline Neutrino Experiment. Physical Review Letters, 2018, 121, 221801.	7.8	335
42	First measurement of the cross section for $\bar{\nu}_\mu + p \rightarrow e^+ + n$ and $\bar{\nu}_\mu + p \rightarrow e^+ + p + \pi^0$ and $\bar{\nu}_\mu + p \rightarrow e^+ + p + \pi^+$ at 1.1 GeV. Physical Review D, 2018, 98, 052004.	4.7	19
43	Measurement of the cross section for $\bar{\nu}_\mu + p \rightarrow e^+ + n$ and $\bar{\nu}_\mu + p \rightarrow e^+ + p + \pi^0$ and $\bar{\nu}_\mu + p \rightarrow e^+ + p + \pi^+$ at 1.1 GeV. Physical Review D, 2018, 98, 052004.	1.2	59
44	Signatures of pseudo-Dirac dark matter at high-intensity neutrino experiments. Physical Review D, 2018, 98, .	4.7	33
45	Design and construction of the MicroBooNE detector. Journal of Instrumentation, 2017, 12, P02017-P02017.	1.2	215
46	First observation of low energy electron neutrinos in a liquid argon time projection chamber. Physical Review D, 2017, 95, .	4.7	33
47	Measurement of $\bar{\nu}_\mu + p \rightarrow e^+ + n$ and $\bar{\nu}_\mu + p \rightarrow e^+ + p + \pi^0$ and $\bar{\nu}_\mu + p \rightarrow e^+ + p + \pi^+$ at 1.1 GeV. Physical Review D, 2017, 95, 052004.	4.7	14
48	Measurement of cosmic-ray reconstruction efficiencies in the MicroBooNE LArTPC using a small external cosmic-ray counter. Journal of Instrumentation, 2017, 12, P12030-P12030.	1.2	11
49	Noise Characterization and Filtering in the MicroBooNE Liquid Argon TPC. Journal of Instrumentation, 2017, 12, P08003-P08003.	1.2	61
50	Michel electron reconstruction using cosmic-ray data from the MicroBooNE LArTPC. Journal of Instrumentation, 2017, 12, P09014-P09014.	1.2	33
51	Determination of muon momentum in the MicroBooNE LArTPC using an improved model of multiple Coulomb scattering. Journal of Instrumentation, 2017, 12, P10010-P10010.	1.2	26
52	Characterization of the spontaneous light emission of the PMTs used in the Double Chooz experiment. Journal of Instrumentation, 2016, 11, P08001-P08001.	1.2	6
53	Muon capture on light isotopes measured with the Double Chooz detector. Physical Review C, 2016, 93, .	2.9	8
54	Measurement of $\bar{\nu}_\mu + p \rightarrow e^+ + n$ in Double Chooz using neutron captures on hydrogen with novel background rejection techniques. Journal of High Energy Physics, 2016, 2016, 1.	4.7	46

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55	Decisive disappearance search at high<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>E</mml:mi><mml:msup><mml:mi>m</mml:mi><mml:mn>2</mml:mn></mml:msup></mml:math>with monoenergetic muon neutrinos. Physical Review D, 2015, 92, .	4.7	71
56	Future short-baseline sterile neutrino searches with accelerators. AIP Conference Proceedings, 2015, , .	0.4	5
57	Measurement of the antineutrino neutral-current elastic differential cross section. Physical Review D, 2015, 91, .	4.7	31
58	Publisherâ€™s Note: First Measurement of Neutrino and Antineutrino Coherent Charged Pion Production on Argon [Phys. Rev. Lett.113, 261801 (2014)]. Physical Review Letters, 2015, 114, .	7.8	5
59	Development and operational experience of magnetic horn system for T2K experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 789, 57-80.	1.6	12
60	First Measurement of Neutrino and Antineutrino Coherent Charged Pion Production on Argon. Physical Review Letters, 2014, 113, 261801.	7.8	25
61	Cyclotrons as Drivers for Precision Neutrino Measurements. Advances in High Energy Physics, 2014, 2014, 1-22.	1.1	7
62	Detection of back-to-back proton pairs in charged-current neutrino interactions with the ArgoNeuT detector in the NuMI low energy beam line. Physical Review D, 2014, 90, .	4.7	57
63	Cross section measurements with monoenergetic muon neutrinos. Physical Review D, 2014, 89, .	4.7	14
64	Annual modulation of cosmic relic neutrinos. Physical Review D, 2014, 90, .	4.7	14
65	Ortho-positronium observation in the Double Chooz experiment. Journal of High Energy Physics, 2014, 2014, 1.	4.7	8
66	Improved measurements of the neutrino mixing angle $\hat{\theta}_{13}$ with the Double Chooz detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	181
67	Precision muon reconstruction in Double Chooz. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 764, 330-339.	1.6	9
68	Measurements of inclusive muon neutrino and antineutrino charged current differential cross sections on argon in the NuMI antineutrino beam. Physical Review D, 2014, 89, .	4.7	46
69	Precision<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mover accent="true"><mml:mrow><mml:mi>I</mml:mi></mml:mrow></mml:mover></mml:msub></mml:mrow><mml:mo>^</mml:mo></mml:math> background-independent measurement of<mml:math altimg="sil.gif" overflow="scroll"><mml:math 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.elsevie	4.7	24
70	Background-independent measurement of<mml:math 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.elsevie	4.1	34
71	TESTING LORENTZ SYMMETRY WITH THE DOUBLE CHOOZ EXPERIMENT. , 2014, , 9-12.		2
72	First measurement of the muon antineutrino double-differential charged-current quasielastic cross section. Physical Review D, 2013, 88, .	4.7	137

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73	Search for neutrino $\bar{\nu}$ antineutrino oscillations with a reactor experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 412-416.	4.1	30
74	First measurement of $\langle \nu \nu \rangle$ from delayed neutron capture on hydrogen in the Double Chooz experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 66-70.	4.1	84
75	Test of Lorentz and CPT violation with short baseline neutrino oscillation excesses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1303-1308.	4.1	52
76	Improved Search for $\nu \nu$ Oscillations in the MiniBooNE Experiment. Physical Review Letters, 2013, 110, 161801.	7.8	131
77	Coherent neutrino scattering as a probe of oscillations. , 2013, , .		0
78	Sterile Neutrino Fits to Short-Baseline Neutrino Oscillation Measurements. Advances in High Energy Physics, 2013, 2013, 1-26.	1.1	122
79	Direct measurement of backgrounds using reactor-off data in Double Chooz. Physical Review D, 2013, 87, .	4.7	21
80	A study of electron recombination using highly ionizing particles in the ArgoNeuT Liquid Argon TPC. Journal of Instrumentation, 2013, 8, P08005-P08005.	1.2	63
81	Proposal for an Electron Antineutrino Disappearance Search Using High-Rate $\nu \nu$ Production and Decay. Physical Review Letters, 2012, 109, 141802.	7.8	81
82	Dual baseline search for muon antineutrino disappearance at $0.1 \text{ eV}^2 < \Delta m^2 < 100 \text{ eV}^2$. Physical Review D, 2012, 86, .	4.7	64
83	Indication of Reactor $\nu \nu$ Disappearance in the Double Chooz Experiment. Physical Review Letters, 2012, 108, 131801.	7.8	979
84	Dual baseline search for muon neutrino disappearance at $> 0.5 \text{ eV}^2$. Physical Review D, 2012, 85, .	4.7	71
85	Measuring active-to-sterile neutrino oscillations with neutral current coherent neutrino-nucleus scattering. Physical Review D, 2012, 86, .	4.7	52
86	Sterile neutrino search with kaon decay at rest. Physical Review D, 2012, 85, .	4.7	18
87	Analysis of a large sample of neutrino-induced muons with the ArgoNeuT detector. Journal of Instrumentation, 2012, 7, P10020-P10020.	1.2	18
88	First test of Lorentz violation with a reactor-based antineutrino experiment. Physical Review D, 2012, 86, .	4.7	41
89	Reactor $\nu \nu$ disappearance in the Double Chooz experiment. Physical Review D, 2012, 86, .	4.7	275
90	First Measurements of Inclusive Muon Neutrino Charged Current Differential Cross Sections on Argon. Physical Review Letters, 2012, 108, 161802.	7.8	75

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91	The ArgoNeuT detector in the NuMI low-energy beam line at Fermilab. Journal of Instrumentation, 2012, 7, P10019-P10019.	1.2	96
92	Measurement of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:msub> < mml:mi>\hat{1}/2</mml:mi> < mml:mi>\hat{1}/4</mml:mi> </mml:msub> </mml:math> \text{induced charged-current neutral pion production cross sections on mineral oil at}$ $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:msub> < mml:mi>E</mml:mi> < mml:mi>\hat{1}/2</mml:mi> </mml:msub> < mml:mo>\hat{\sim}</mml:mo> < mml:mn>0.5</mml:mn> </mml:math> \text{Physical Review D, 2011, 83, .}$	4.7	81
93	Measurement of the neutrino component of an antineutrino beam observed by a nonmagnetized detector. Physical Review D, 2011, 84, .	4.7	27
94	ArgoNeuT and the Neutrino-Argon Charged Current Quasi-Elastic Cross Section. Journal of Physics: Conference Series, 2011, 312, 072017.	0.4	4
95	Measurement of neutrino-induced charged-current charged pion production cross sections on mineral oil at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:msub> < mml:mi>E</mml:mi> < mml:mi>\hat{1}/2</mml:mi> </mml:msub> < mml:mo>\hat{\sim}^{1/4}</mml:mo> < mml:mn>1</mml:mn> </mml:math> \text{Physical Review D, 2011, 83, .}$	4.7	122
96	Coherent neutrino scattering in dark matter detectors. Physical Review D, 2011, 84, .	4.7	33
97	Status of the ArgoNeuT Reconstruction and Analysis. , 2011, , .		0
98	ArgoNeuT, a liquid argon time projection chamber in a low energy neutrino beam. Journal of Physics: Conference Series, 2010, 203, 012108.	0.4	4
99	Publisher's Note: Measurement of the Ratio of the $\hat{1}/2\hat{1}/4$ Charged-Current Single-Pion Production to Quasielastic Scattering with a 0.8-GeV Neutrino Beam on Mineral Oil [Phys. Rev. Lett.103, 081801 (2009)]. Physical Review Letters, 2010, 104, .	7.8	0
100	Event Excess in the MiniBooNE Search for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:msub> < mml:mover accent="true"> < mml:mi>\hat{1}/2</mml:mi> </mml:msub> < mml:mo>\hat{\sim}</mml:mo> </mml:mover> < mml:mi>\hat{1}/4</mml:mi> </mml:msub> < mml:mo>\hat{\sim}</mml:mo> </mml:math> \text{Search for}$ $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:msub> < mml:mi>\hat{1}/2</mml:mi> < mml:mo>\hat{\sim}</mml:mo> </mml:mover> < mml:mi>e</mml:mi> </mml:msub> </mml:math> \text{Oscillation Physical Review Letters, 2010, 105, 181801.}$	7.8	38
101	RENAISSANCE OF THE ~ 1 TeV FIXED-TARGET PROGRAM. International Journal of Modern Physics A, 2010, 25, 777-813.	1.5	4
102	Measurement of the neutrino neutral-current elastic differential cross section on mineral oil at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:msub> < mml:mi>E</mml:mi> < mml:mi>\hat{1}/2</mml:mi> </mml:msub> < mml:mo>\hat{\sim}^{1/4}</mml:mo> < mml:mn>1</mml:mn> </mml:math> \text{Physical Review D, 2010, 82, .}$	4.7	122
103	Search for core-collapse supernovae using the MiniBooNE neutrino detector. Physical Review D, 2010, 81, .	4.7	11
104	Atmospheric tau neutrinos in a multikiloton liquid argon detector. Physical Review D, 2010, 82, .	4.7	33
105	First measurement of the muon neutrino charged current quasielastic double differential cross section. Physical Review D, 2010, 81, .	4.7	341
106	Measurement of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:msub> < mml:mi>\hat{1}/2</mml:mi> < mml:mi>\hat{1}/4</mml:mi> </mml:msub> </mml:math> \text{and}$ $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:msub> < mml:mover accent="true"> < mml:mi>\hat{1}/2</mml:mi> </mml:msub> < mml:mo>\hat{\sim}</mml:mo> </mml:mover> < mml:mi>\hat{1}/4</mml:mi> </mml:msub> </mml:math> \text{induced neutral current single}$ $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mi>\hat{1}</mml:mi> </mml:math> \text{Search for Electron Antineutrino Appearance at the}$ $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mi>\hat{1}</mml:mi> < mml:msup> < mml:mi>m</mml:mi> < mml:mn>2</mml:mn> </mml:msup> < mml:mo>\hat{\sim}^{1/4}</mml:mo> </mml:math> \text{Physical Review Letters, 2009, 103, 111801.}$	4.7	81
107	Search for Electron Antineutrino Appearance at the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> < mml:mi>\hat{1}</mml:mi> < mml:msup> < mml:mi>m</mml:mi> < mml:mn>2</mml:mn> </mml:msup> < mml:mo>\hat{\sim}^{1/4}</mml:mo> </mml:math> \text{Physical Review Letters, 2009, 103, 111801.}$	7.8	82
108	Search for Muon Neutrino and Antineutrino Disappearance in MiniBooNE. Physical Review Letters, 2009, 103, 061802.	7.8	49

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109	Measurement of the Ratio of the $\langle \sigma_{\text{CC}} / \sigma_{\text{QE}} \rangle$ Charged-Current Single-Pion Production to Quasielastic Scattering with a 0.8 GeV Neutrino Beam on Mineral Oil. Physical Review Letters, 2009, 103, 081801.	7.8	44
110	A regenerable filter for liquid argon purification. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 605, 306-311.	1.6	20