Roxanne Guénette

Personal information

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Nationality: Canadian
Languages: French, English and Spanish

Academic and Research Positions

07/2017–present	Assistant Professor, Harvard University, USA
10/2013–06/2017	Ernest Rutherford Fellow (STFC), University of Oxford, UK
01/2013–09/2013	Postdoctoral Research Assistant, Royal Holloway, University of London, UK
06/2010–12/2012	Postdoctoral Associate, Yale University, USA

Education

2006–2010	Ph.D. in high-energy astrophysics, McGill University, Canada
2004–2006	M.Sc. in particle physics, Université de Montréal, Canada
2001–2004	B.Sc. in Physics, Université de Montréal, Canada

Scholarships, Fellowships and Awards

2021	Sloan Research Fellowship, Alfred P. Sloan Foundation, North America
2020	William F. Milton Fund Award, Harvard University, USA
2018	Dean's Competitive Fund for Promising Scholarship Award, Harvard University, USA
2017	Dean's Competitive Fund for Promising Scholarship Award, Harvard University, USA
2014 – 2017	Junior Research Fellowship from Pembroke College, University of Oxford, UK
2013 – 2017	Ernest Rutherford Fellowship, STFC, UK
2009	Dow-Hickson Fellowship-Physics from McGill University, Canada
2009	Principal's Grad Fellowship-Science from McGill University, Canada
2008	PhD scholarship from FQRNT, Canada

Research and Collaboration Leadership Roles

2020–present	Member of the NEXT Steering Committee
2020	Chair of the DUNE "Chicago APA Production site" review committee
2020–present	Chair of the MicroBooNE Technical Board
2020–present	Quality Assurance & Control Manager for the DUNE *Anode Plane Assemblies (APAs)*
2019-present	Member of the DUNE Authorship and Publication Board
2018-present	Project Manager of the NEXT-100 TPC
2017–present	Liaison for the Installation and Integration for the DUNE APA consortium
2017–2019	Member of the MicroBooNE Talk Committee
2017–present	Member of the MicroBooNE and SBND Technical Boards
2017–present	Institutional Board member for MicroBooNE, SBND, DUNE and NEXT
2017–2019	Convener of the Physics and Analysis Tool Group for SBND
2015–2017	Deputy Convener for the Installation and Integration of the DUNE Far Detector
2015–2017	UK-Spokesperson for MicroBooNE
2015–2017	Convener of the *Muon Veto System* Upgrade for MicroBooNE
2014–2017	Convener of the Software and Simulation Group for SBND
2012–2013	Elected representative for the young-LBNE group at the Executive Committee and Institutional Board
2011–2013	Convener of the Oscillation Physics Group for MicroBooNE
2011–2013	Project Manager for the MicroBooNE detector design and construction

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Professional Activities

Scientific committees and public services:

2020-present	Convener of the Liquid Detectors Task Force, for the *European Committee for Future Accelerators, Detector R&D Roadmap*, Europe
2020-present	Convener of the Noble Elements Working Group for *SNOWMASS 2021*, USA

2020-present	Member of the Executive Committee of the *Coordinating Panel for Advanced Detectors (CPAD)*, USA
2020, 2018	Chair of a TRIUMF hiring committee, Canada
2019	Convener of the Noble Liquid Detectors Working Group for the *DOE Basic Research Needs Study on HEP Detector R&D*, USA
2018–present	Member of the Fermilab Intensity Frontier Fellowship Selection Committee, USA
2018–present	Member of the Neutrino Theory Networks Scientific Advisory Board, USA
2018	Chair of the Graduate Instrumentation Research Award Selection Committee, USA

Conference organisation:

2020	Member of the International Advisory Committee for the NEUTRINO-2020 Conference (virtual), USA
2020	Convener of the Neutrino Session for the APS-2020 Conference (virtual), USA
2019	Convener of the Neutrino Session for the DPF-2019 Conference (Boston), USA
2018	Member of the Scientific Program Committee for HEP 2018 CPAD Instrumentation Workshop, USA
2016,2017	Organizer for the 2016 and 2017 *UK Conferences for Undergraduate Women in Physics* at University of Oxford
2016–2017	Co-convener for the 2016 & 2017 CPAD Workshops, USA

Reviews for grants and publications:

2021	Panel member for three *DOE* Review Committees, USA
2021, 2020	Panel member for the *Fonds de Recherche Nature et Technologies* Review Committee, Québec, Canada
2019	Panel member for the *Canada Foundation for Innovation* Review Committee, Canada
2016–present	Reviewer for grant proposals for the funding agencies: STFC (UK), NSERC (Canada), DOE (USA), ERC (Europe)
2016–present	Reviewer for Scientific Journals: Astroparticle Physics Journal, Physics Letter B

Academic Activities and University Services

2020,2021	Member of the Hoopes Prize Natural Sciences subcommittee, Harvard University
2020	Member of the Newsletter committee for the Harvard Physics Department
2019	Chair of the reappointment committee for Senior Lecturer for the Harvard Physics Department

2018–2019	Colloquium organizer for the Harvard Physics Department
2017–2019	Graduate Student Admission Committee for the Harvard Physics Department
2017	Instigator of the Postdoc Mentoring Scheme in the Oxford Particle Physics Department
2016–2017	Executive Committee for the Oxford Particle Physics Department
2016–2017	Outreach Committee for the Oxford Particle Physics Department
2013–2017	Undergraduate Admission and Interview Committee for Pembroke College, University of Oxford
2011–2013	Organizer for High-Energy Physics seminars at Yale University

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Teaching and Learning

Undergraduate teaching:

2018, 2019, 2021	Instructor for Elementary Particle Physics & Physical Science 3, Harvard University, USA
2017	Lecturer on Neutrino Detection, Neutrino University program, Fermilab, USA
2015–2016	Tutor for Relativity and Symmetry at Pembroke College, University of Oxford, UK

Graduate teaching:

2017	Lecturer for the Modern Particle Physics (neutrino section) & Detector Physics (liquid argon detector section) graduate courses, University of Oxford, UK

Summer school teaching:

2020	3 lectures on Neutrino Physics and Noble Element Detectors, SLAC Summer Institute, USA
2014	Lecture on Liquid Argon Detectors, Allure of ultrasensitive experiments program, Fermilab, USA

Recent Outreach Activities

2019	Keynote presentation for Women in STEM day, North Newton High, USA
2019	Organization of rural high-school visit at Harvard University, USA
2017–2021	Participation in several First-generation student activities, Harvard University, USA
2018	Invited General Public talk on Fundamental Science, Cegep de Mont-Laurier, Canada
2017	Panel discussion for *Harvard First-Generation Student Union, USA*
2017	Invited talks for college students at Cegeps Vieux-Montreal and St-Laurent, Canada
2017	Interview on neutrinos for Physics World podcast, UK

Recent Selected Conferences Talks & Colloquia

04/2021 Invited plenary talk at APS 2021 Conference, virtual, USA,
New physics searches in accelerator-based neutrino experiments

04/2021 Invited plenary talk at IOP 2021 Conference, virtual, UK,
Short-baseline neutrino experiments

04/2021 Colloquium at University of Nebraska-Lincoln, USA
Neutrinos: from zeros to heros

09/2019 Colloquium at University of Illinois, USA
Neutrinos: from zeros to heroes

04/2019 Colloquium at Harvard University, USA
Neutrinos: from zeros to heroes

02/2019 Colloquium at Yale University, USA
Neutrinos: from zeros to heroes

07/2019 Invited plenary review talk at DPF 2019 Conference, Boston, USA,
Short-baseline Neutrinos

07/2019 Invited talk on NEXT at SNOLAB, Canada,
The NEXT experiment: present and beyond

06/2019 Invited review talk on neutrinos, The Blois Conference, France,
Status of Neutrino Parameters and Future Prospects – cancelled

06/2018 Invited plenary talk at the NEUTRINO 2018 Conferecne, Heidelberg, Germany,
MicroBooNE and the Short-Baseline program

08/2016 Invited review talk for NuFact 2016, Vietnam,
eV Scale Sterile at LBL & SBL (Accelerator-based searches)

06/2016 Invited review talk for the Baryogenesis Workshop, MIAPP, Munich, Germany,
Searching for CP violation in neutrino oscillations

02/2016 Invited plenary talk for the Lake Louise Winter Institute, Canada,
Recent results from MicroBooNE

10/2015 Invited plenary talk for the NNN 2015 Conference, Stony Brook, USA,
The FNAL Short-baseline Neutrino Programme

09/2015 Invited review talk for the PPAP Community Meeting, London, UK,
Short-baseline Neutrino experiments

Total number of invited conference talks: 23
Total number of Seminars: 16
Total number of Colloquia: 8

Refereed publications

Bold font indicates recent leading and major contributions.

1. **P. Abratenko et al. (MicroBooNE Collaboration), (2020), Atmospheric Muon Rate Measurement with the MicroBooNE detector, under collaboration review.**
2. **M. Kekic et al. NEXT Collaboration), (2020), Demonstration of background rejection using deep convolutional neural networks in the NEXT experiment, arXiv:2009.10783, submitted to JHEP.**
3. **A.A. Loya Villalpando, J. Martin-Albo, W.T. Chen, R. Guenette, C. Lego, J.S. Park, F. Capasso, (2020), Improving the light collection efficiency of silicon photomultipliers through the use of Metalenses, arXiv:2007.06678, accepted by JINST.**
4. **S. Ghosh, J. Haefner, J. Martin-Albo, R. Guenette, X. Li, A.A. Loya Villalpando, C. Burch, C. Adams and the NEXT collaboration, (2020), Dependence of polytetrafluoroethylene reflectance on thickness at visible and ultraviolet wavelengths in air, arXiv:2007.06626, accepted to JINST.**
5. **C. Adams et al. (NEXT Collaboration), (2020), Sensitivity of a tonne-scale NEXT detector for neutrinoless double beta decay searches, arXiv:2005.06467, submitted to JHEP.**
6. **C. Adams, M Del Tutto, J. Asaadi, M. Bernstein, E. Church, R. Guenette, J.M. Rojas, H. Sullivan, A. Tripathi, (2020), Enhancing Neutrino Event Reconstruction with Pixel-Based 3D Readout for Liquid Argon Time Projection Chambers, JINST 131P 0120.**
7. **P. Abratenko et al. (MicroBooNE Collaboration), (2020), Measurement of Space Charge Effects in the MicroBooNE LAr TPC Using Cosmic Muons, arXiv:2008.09765, submitted to JINST.**
8. P. Abratenko et al. (MicroBooNE Collaboration), (2020), The Continuous Readout Stream of the MicroBooNE Liquid Argon Time Projection Chamber for Detection of Supernova Burst Neutrinos, arXiv:2008.13761, submitted to JINST.
9. P. Abratenko et al. (MicroBooNE Collaboration), (2020), First Measurement of Differential Charged Current Quasi-Elastic-Like Muon Neutrino Argon Scattering Cross Sections with the MicroBooNE Detector, arXiv:2006.00108, submitted to PRL.
10. P. Abratenko et al. (MicroBooNE Collaboration), (2020), Vertex-Finding and Reconstruction of Contained Two-track Neutrino Events in the MicroBooNE Detector, arXiv:2002.09375, submitted to JINST.
11. P. Abratenko et al. (MicroBooNE Collaboration), (2020), Search for heavy neutral leptons decaying into muon-pion pairs in the MicroBooNE detector, Phys. Rev. D101, 052001.
12. L. Rogers et al. (NEXT Collaboration), (2020), Mitigation of backgrounds from cosmogenic ^{137}Xe in xenon gas experiments using ^{3}He neutron capture, J. Phys. G, 47, 7, 075001.
13. K. Woodruff et al. (NEXT Collaboration), (2020), Radio frequency and DC high voltage breakdown of high pressure helium, argon, and xenon, JINST 15 (2020) 04, P04022.
14. A.F.M. Fernandes et al. (NEXT Collaboration), (2020), Low-diffusion Xe-He gas mixtures for rare-event detection: Electroluminescence Yield, JHEP 04 (2020) 034.
15. P.Novella et al. (NEXT Collaboration), (2020), Radiogenic Backgrounds in the NEXT Double Beta Decay Experiment, JHEP 10 (2019) 051.
16. P. Ferrario et al. (NEXT Collaboration), (2020), Demonstration of the event identification capabilities of the NEXT-White detector, JHEP 10 (2019) 052.
17. J. Renner et al. (NEXT Collaboration), (2020), Energy calibration of the NEXT-White detector with 1% resolution near $Q_{\beta\beta}$ of ^{136}Xe,JHEP 10 (2019) 230.
18. **R. Acciarri et al. (SBND Collaboration), (2020), Construction of precision wire readout planes for the Short-Baseline Near Detector (SBND), JINST 15 P06033.**

19. C. Adams et al. (MicroBooNE Collaboration), (2020), Reconstruction and Measurement of O(100) MeV Electromagnetic Activity from $\pi^0 \to \gamma\gamma$ Decays in the MicroBooNE LAr TPC, JINST 15, P02007.
20. **C. Adams et al. (MicroBooNE Collaboration), (2019), First Measurement of Inclusive Muon Neutrino Charged Current Differential Cross Sections on Argon at $E_\nu \sim$ 0.8 GeV with the MicroBooNE Detector, Phys. Rev. Lett. 123, 13180.**
21. **C.Adams et al. (MicroBooNE collaboration), (2019), Design and Construction of the MicroBooNE Cosmic Ray Tagger System, JINST 14, P04004.**
22. **J. Asaadi, E. Church, R. Guenette, B. J. P. Jones, A. M. Szelc, (2018) A New Light Higgs Boson and Short-Baseline Neutrino Anomalies, Phys. Rev. D 97, 075021.**
23. A.D. McDonald et al. (NEXT Collaboration), (2018), Demonstration of Single Barium Ion Sensitivity for Neutrinoless Double Beta Decay using Single Molecule Fluorescence Imaging, Phys. Rev. Let. 120, 132504.
24. R. Acciarri et al. (MicroBooNE Collaboration), (2018), A Deep Neural Network for Pixel-Level Electromagnetic Particle Identification in the MicroBooNE Liquid Argon Time Projection Chamber, arXiv:1808.07269, submitted to PRD
25. R. Acciarri et al. (MicroBooNE Collaboration), (2018), Comparison of Muon-Neutrino-Argon Multiplicity Distributions Observed by MicroBooNE to GENIE Model Predictions, arXiv:1805.06887, submitted to PRD
26. R. Acciarri et al. (MicroBooNE Collaboration), (2018), Ionization Electron Signal Processing in Single Phase LAr TPCs II: Data/Simulation Comparison and Performance in MicroBooNE, JINST 13, P07007
27. R. Acciarri et al. (MicroBooNE Collaboration), (2018), Ionization Electron Signal Processing in Single Phase LAr TPCs I: Algorithm Description and Quantitative Evaluation with MicroBooNE Simulation, JINST 13, P07006
28. R. Acciarri et al. (MicroBooNE Collaboration), (2018), The Pandora Multi-Algorithm Approach to Automated Pattern Recognition of Cosmic Ray Muon and Neutrino Events in the MicroBooNE Detector, Eur. Phys. J. C78, 1, 82
29. **R. Acciarri et al. (MicroBooNE Collaboration), (2017), Measurement of cosmic-ray reconstruction efficiencies in the MicroBooNE LArTPC using an external cosmic-ray counter, JINST 12, P12030.**
30. R. Acciarri et al. (MicroBooNE Collaboration), (2017), Michel Electron Reconstruction Using Cosmic-Ray Data from the MicroBooNE LArTPC, JINST 12, P09014
31. **R. Acciarri et al. (MicroBooNE Collaboration), (2017), Design and construction of the MicroBooNE detector, JINST 12 P02017.**
32. **R. Acciarri et al., (2017), Construction and Assembly of the Wire Planes for the MicroBooNE Time Projection Chamber, JINST 12 T03003.**
33. R. Acciarri et al. (MicroBooNE Collaboration), (2017), Noise Characterization and Filtering in the MicroBooNE Liquid Argon TPC", JINST 12, P08003.
34. R. Acciarri et al. (MicroBooNE Collaboration), (2017), Determination of Muon Momentum in the MicroBooNE LAr TPC Using an Improved Model of Multiple Coulomb Scattering", arXiv:1703.06187, submitted to JINST.
35. R. Acciarri et al. (MicroBooNE Collaboration), (2017), Convolutional Neural Networks Applied to Neutrino Events in a Liquid Argon Time Projection Chamber", arXiv:1611.05531, JINST 12, P03011.
36. **M.Auger et al., (2016) A Novel Cosmic Ray Tagger System for Liquid Argon TPC Neutrino Detectors, Instruments, 10 3390.**
37. C. Anderson et al. (ArgoNeuT Collaboration), (2012) Analysis of a Large Sample of Neutrino-Induced Muons with the ArgoNeuT Detector, JINST 7 P10020.
38. C. Anderson et al. (ArgoNeuT Collaboration), (2012) The ArgoNeuT Detector in the NuMI Low-Energy beam line at Fermilab, JINST 7 P10019.
39. C. Anderson et al. (ArgoNeuT Collaboration), (2012) First Measurements of Inclusive Muon Neutrino Charged Current Differential Cross Sections on Argon, Phys. Rev. Lett. 108.

40. E. Aliu et al. (VERITAS Collaboration), (2011) Detection of Pulsed Gamma Rays Above 100 GeV from the Crab Pulsar, Science, 334, 69-86.
41. V. A. Acciari et al. (VERITAS Collaboration), (2011) Multiwavelength Observations of the VHE Blazar 1ES 2344+514, ApJ 738: 169-182.
42. V. A. Acciari et al. (VERITAS Collaboration), (2011) VERITAS TeV and Multi-wavelength Observations of Mrk 421 in 2006-2008, ApJ 738: 25-55.
43. V. A. Acciari et al. (VERITAS Collaboration), (2011) VERITAS Observations of the TeV Binary LS I +61 303 During 2008-2010, ApJ 738: 3-24.
44. V. A. Acciari et al. (VERITAS Collaboration), (2011) Gamma-ray observations of the Be/pulsar binary 1A0535+262 during a giant X-ray outburst, ApJ 733: 96-124.
45. V. A. Acciari et al. (VERITAS Collaboration), (2011) Discovery of TeV Gamma Ray Emission from Tycho's Supernova Remnant, ApJ 730: L20-L26.
46. V. A. Acciari et al. (VERITAS Collaboration), (2011) Spectral Energy Distribution of Markarian 501: Quiescent State vs. Extreme Outburst, ApJ 720: 2-11.
47. A. A. Abdo et al. (VERITAS Collaboration), (2011) Insights into the High-energy Gamma-ray Emission of Markarian 501 from Extensive Multifrequency Observations in the FERMI era, ApJ 727, 129-197.
48. A. A. Abdo et al. (VERITAS Collaboration),(2011) Multi-wavelength Observations of the Flaring Gamma-ray Blazar 3C 66A in 2008, ApJ 726, 43-61.
49. V. A. Acciari et al. (VERITAS Collaboration), (2010) VERITAS Search for VHE Gamma-ray Emission from Dwarf Spheroidal Galaxies, ApJ 720, 1174-1195.
50. V. A. Acciari et al. (VERITAS Collaboration), (2010) Discovery of Very High Energy gamma-ray Emission from the SNR G54.1+0.3, ApJ 719, L69-L74.
51. V. A. Acciari et al. (VERITAS Collaboration), (2010) Veritas 2008-2009 Monitoring of the Variable Gamma-ray Source M 87, ApJ 716, 819-824.
52. V. A. Acciari et al. (VERITAS Collaboration), (2010) The Discovery of gamma-Ray Emission from the Blazar RGB J0710+591, ApJ 715, L49-L55.
53. V. A. Acciari et al. (VERITAS Collaboration), (2010) Observations of the Shell-type Supernova Remnant Cassiopeia A at TeV Energies with VERITAS, ApJ 714, 163-169.
54. V. A. Acciari et al. (VERITAS Collaboration),(2010) Discovery of Variability in the Very High Energy gamma-Ray Emission of 1ES 1218+304 with VERITAS, ApJ 709, L163-L167.
55. V.A. Acciari et al. (VERITAS Collaboration),(2010) A connection between star formation activity and cosmic rays in the starburst galaxy M 82, Nature, 462, 770-772.
56. V. A. Acciari et al. (VERITAS Collaboration), (2010) Discovery of Very High Energy Gamma Rays from PKS 1424+240 and Multiwavelength Constraints on Its Redshift, ApJ 708, 100-106.
57. V. A. Acciari et al. (VERITAS Collaboration), (2009) Multiwavelength Observations of a TeV-Flare from W Comae, ApJ 707, 612-620.
58. The VERITAS Collaboration, The VLBA 43GHz M87 Monitoring Team, The H.E.S.S. Collaboration, The MAGIC Collaboration, (2009) Radio Imaging of the Very-High-Energy gamma-ray emission region in the central engine of a radio galaxy, Science, 325, 444-448.
59. V. A. Acciari et al. (VERITAS Collaboration), (2009) VERITAS Upper Limit on the VHE Emission from the Radio Galaxy NGC 1275, ApJ 706, L275-L280.
60. V.A. Acciari et al. (VERITAS Collaboration),(2009) Detection of Extended VHE Gamma Ray Emission from G106.3+2.7 with VERITAS, ApJ 703, L6-L9.
61. V.A. Acciari et al. (VERITAS Collaboration), (2009) Simultaneous Multiwavelength Observations of Markarian 421 During Outburst, ApJ 703, 169-178.
62. V.A. Acciari et al. (VERITAS Collaboration), (2009) Multiwavelength Observations of LS I +61 303 with VERITAS, Swift and RXTE, ApJ 700, 1034-1041.
63. V.A. Acciari et al. (VERITAS Collaboration), (2009) Observation of Extended VHE Emission from the Supernova Remnant IC 443 with VERITAS, ApJ 698, L133-L137.
64. V.A. Acciariet al. (VERITAS Collaboration), (2009) Evidence for long-term gamma-ray and X-ray variability from the unidentified TeV source HESS J0632+054, ApJ 698, L94-L97.

65. V.A. Acciari et al. (VERITAS Collaboration), (2009) VERITAS observations of the BL Lac 1ES 1218+304, ApJ 695, 1370-1375.
66. V.A. Acciari et al. (VERITAS Collaboration), (2009) VERITAS Observations of a Very High Energy Gamma-ray Flare from the Blazar 3C 66A, ApJ 693, L104-L108.
67. I. Donnarumma et al. (VERITAS Collaboration), (2009) The June 2008 Flare Of Markarian 421 From Optical To TeV Energies, ApJ 691, L13-L19.
68. V.A. Acciari et al. (VERITAS Collaboration), (2009) Discovery of Very High Energy Gamma-ray Radiation from the BL Lac 1ES 0806+524, ApJ 690, L126-L129.
69. V.A. Acciari et al. (VERITAS Collaboration), (2008) VERITAS Discovery of >200 GeV Gamma-Ray Emission from the IBL W Comae, ApJ 684, L73-L77.
70. V.A. Acciari et al. (VERITAS Collaboration), (2008) Observation of gamma-ray emission from the galaxy M87 above 250 GeV with VERITAS, ApJ. 679, 397-403.
71. V.A. Acciari et al. (VERITAS Collaboration), (2008), VERITAS Observations of the gamma-Ray Binary LS I +61 303, Ap.J. 679, 1427-1432.
72. D.Hanna et al., (2008) First results from VERITAS, Nucl. Instrum. Meth. A588, 26-32.
73. M.Barnab-Heider et al. (PICASSO Collaboration), (2005) Spin Dependent Limits from the PICASSO Dark Matter Search Experiment, Phys. Lett. B 624, 186-194.
74. M.Barnab-Heider et al. (PICASSO Collaboration), (2005) Response of the Superheated Dropelt Detectors of the PICASSO Dark Matter Search Experiment, Nucl.Instr.Meth.A 555, 184-204.
75. G.Azuelos et al. (PICASSO Collaboration), (2004) Simulation of Special Bubble Detectors for PICASSO,Radiat. Prot. Dosim., 499-502.
76. M.Barnab-Heider et al. (PICASSO Collaboration), (2004) Direct dark matter search using large-mass superheated droplets detectors in the picasso collaboratoin, Radiat. Prot. Dosim., 502-505.

Other published papers

1. **B. Abi et al. (DUNE Collaboration), (2020), Deep Underground Neutrino Experiment (DUNE), Far Detector Technical Design Report, Volume III DUNE Far Detector Technical Coordination, arXiv:2002.03005.**
2. **Z. Ahmed et al. (CPAD Workshop Conveners), (2019), New Technologies for Discovery, arXiv:1908.00194.**
3. **B.Abi et al. (DUNE Collaboration), (2018), The DUNE Far Detector Interim Design Report, Volume 2: Single-Phase Module, arXiv:1807.10327.**
4. **R. Acciari et al., (2015) A Proposal for a Three Detector Short-Baseline Neutrino Oscillation Program in the Fermilab Booster Neutrino Beam, arXiv:150301520A.**
5. **C. Adams et al., (2013) LAr1-ND: Testing Neutrino Anomalies with Multiple LArTPC Detectors at Fermilab, arXiv: 1309.7987.**
6. **J. Anderson et al., (2013) Snowmass 2013 Young Physicists Science and Career Survey Report, arXiv: 1307.8080.**
7. **C. Adams et al., (2013) The Long-Baseline Neutrino Experiment: Exploring Fundamental Symmetries of the Universe, arXiv: 1307.7335.**
8. Hewett, J.L. et al., (2012) Fundamental Physics at the Intensity Frontier, arXiv:1205.2671.
9. **Abazajian, K. N. et al., (2012) Light Sterile Neutrinos: A White Paper, arXiv:1204.5379.**
10. **The LBNE Collaboration: T. Akiri et al., (2011) The 2010 Interim Report of the Long-Baseline Neutrino Experiment Collaboration Physics Working Groups, arXiv:1110.6249v1.**

11. **R. Guenette, (2011), The ArgoNeuT experiment, Meeting of the Division of Particles and Fields of the American Physical Society, hep-ex:0330471.**

12. **R. Guenette, (2011), The status of MicroBooNE and a 2-LAr detector experiment at FNAL, Journal of Physics, Conference.**

13. **A. Weinstein for the VERITAS collaboration, (2009) The VERITAS Survey of the Cygnus Region of the Galactic Plane, Fermi Symposium eConf Proceedings C091122.**

14. **R. Guenette for the VERITAS collaboration, (2009) VERITAS Observations of Magnetars, Proceedings of the 31st International Cosmic Ray Conference (ICRC), Lodz, Poland, July 2009.**

15. **R. Guenette for the VERITAS collaboration, (2009) VERITAS Observations of X-ray Binaries, Proceedings of the 31st International Cosmic Ray Conference (ICRC), Lodz, Poland, July 2009.**

16. F.Aubin et al., (2005) The PICASSO Direct Dark Matter Search Experiment, Proceedings of the XXXV International Symposium on multiparticle dynamics 2005, 9-15 August 2005, Kromeriz, Czech Republic.

17. F. Aubin et al., (2005) PICASSO : A Direct Dark Matter Search Experiment, Proceeding for the 9th International Conference on Advanced Technology and Particle Physics Conference on Astroparticle, Particle, Space Physics, Detectors and Medical Applications (Como, Italy).