Biographical Sketch
Jonathan Asaadi

Education and Training

Institution	Location	Major	Degree & Year
Undergraduate Institution	University of Iowa	Physics	B.S. 2004
Graduate Institution	Texas A&M University	Physics	M.S. 2007
Graduate Institution	Texas A&M University	Physics	PhD. 2012
Postdoctoral Institution	Syracuse University	Neutrinos	2012-2015

Research and Professional Experience

Assistant Professor	University of Texas Arlington	2015 – Present
Postdoctoral Researcher	Syracuse University	2012 – 2015

Publications

- *"Measurement of* ν_μ *and* $\bar{\nu}_\mu$ *Neutral Current* $\pi^0 \rightarrow \gamma\gamma$ *Production in the ArgoNeuT Detector"*, **Submitted to PRD (2014), arXiv:1511.00941 (Primary author and primary analyzer)**

- *"Testing of High Voltage Surge Protection Devices for Use in Liquid Argon TPC Detectors"*, **JINST 9 P09002 (2014), arXiv:1406.5216 (Primary author and primary analyzer)**

- *"The detection of back-to-back proton pairs in Charged-Current neutrino interactions with the ArgoNeuT detector in the NuMI low energy beam"*
Phys. Rev. D 90, 012008 (2014), arXiv:1405.4261 (Reviewer and collaborator)

- *"Measurements of Inclusive Muon Neutrino and Antineutrino Charged Current Differential Cross Sections on Argon in the NuMI Antineutrino Beam"*
Phys. Rev. D 89, 112003 (2014), arXiv:1404.3698 (Collaborator)

- *"A Proposal for a Three Detector Short-Baseline Neutrino Oscillation Program in the Fermilab Booster Neutrino Beam"*
arXiv:1503.01520 (Collaborator)

- **"***ArgonCube: a no*vel, fully-modular approach for the realization of large-mass liquid argon TPC neutrino detectors"
CERN-SPSC-2015-009 ; SPSC-I-243 (Contributing author and analyzer)

- *"LAr1-ND: Testing Neutrino Anomalies with Multiple LArTPC Detectors at Fermilab"*
Snowmass White Paper SNOW13-00176, arXiv:1309.7987 (Collaborator)

- *"Signature-based search for delayed photons in the exclusive photon plus missing transverse energy events from proton anti-proton collisions with center of mass energy = 1.96 TeV"*
Phys. Rev. D 88, 031103 (2013), arXiv:1307.0474 (Primary author and primary analyzer)

- **"***LArIAT: Liquid Argon In A Testbeam"*
arXiv:1406.5560 (Collaborator)

Synergistic Activities

- Neutrino Detector R&D Facilities Workshop
Organizing Committee Member, January 2016

- The Liquid Argon TPC Reconstruction Assessment and Requirement Workshop
Organizing Committee Member, November 2015

- Albert Einstein Center Visiting Fellow 2014, Laboratory for High Energy Physics (LHEP), University of Bern Switzerland

- Coordinating Panel for Advanced Detectors (CPAD) Instrumentation Frontier Meeting
Invited Talk “New Technologies for Neutrino Oscillations”, October 2015

- 25th Workshop on Weak Interactions and Neutrinos (WIN2015)
Invited Talk “The Fermilab Short-Baseline Neutrino Program”

Collaborators

Collaborators and Co-Editors:

Adam Aurisano	University of Cincinnati	Collaborator
Bruce Baller	Fermilab	Collaborator
Tim Bolton	Kansas State University	Collaborator
Carl Bromberg	Michigan State University	Collaborator
Flavio Cavanna	Fermilab	Collaborator
Eric Church	Pacific Northwest National Laboratory	Collaborator
Janet Conrad	Massachusetts Institute of Technology	Collaborator
Bhaskar Dutta	Texas A&M	Graduate Advisor
Antonio Ereditato	Bern University	Collaborator
Bonnie Fleming	Yale University	Collaborator
Teruki Kamon	Texas A&M University	Graduate Advisor
Igro Kreslo	Bern University	Collaborator
Ornella Palamara	Fermilab	Collaborator
Jennifer Raaf	Fermilab	Collaborator
Brian Rebel	Fermilab	Collaborator
Mitch Soderberg	Syracuse University	Post-doctoral Advisor
Josh Spitz	University of Michigan	Collaborator
Andrzej Szlec	Manchester University	Collaborator
David Toback	Texas A&M University	Graduate Advisor (Chair)
Michele Weber	Bern University	Collaborator
Tingjun Yang	Fermilab	Collaborator
Geralyn Zeller	Fermilab	Collaborator

Graduate Advisors and Postdoctoral Sponsors
Prof. David Toback (Texas A&M)
Prof. Mitch Soderberg (Syracuse University)