Current and Pending Support: Jonathan Asaadi

Current and Pending Support
Support: ☐ Awarded ☒ Pending
Sponsor: NSF **Award/Identifying Number: 1654507**
Title of the Proposal: CAREER: A novel fully modular liquid argon neutrino detector for the Deep Underground Neutrino Experiment
Total Award Amount for the Entire Award Period (including indirect costs): $1,114,875
Award Period: **2017 - 2021**
Number of Person-months per year to be devoted to the project: 2 months/year
Abstract: This proposal puts forward the development of a new modular liquid argon time projection chamber (LArTPC) neutrino detector to be used as a near detector for the Deep Underground Neutrino Experiment (DUNE). The ultimate goal of this project is to demonstrate the feasibility of constructing and operating identical but separate LArTPC modules in a common bath of liquid argon. Each module features a relatively short drift length and at a fully independent TPC with its own readout, light detection system, cryogenics, and services.

Support: Awarded X Pending
Sponsor: DOE **Award Number**: (Current proposal) N/A
Title of the Funded Research Project: Research in Elementary Particle Phyiscs
Total Award Amount for the Entire Award Period (including indirect costs): $4,699,792
Award Period: 04/01/17 - 03/31/20
Number of Person-months per year to be devoted to the project by the PI: 2.0
Abstract: The High Energy Physics Group at the University of Texas at Arlington proposes a three-year program of research in the Energy and Intensity Frontiers, and in Detector Research and Development. We will continue our long term strong role in the ATLAS experiment, continue our ramp up of Intensity Frontier effort, prepare for long term participation in the International Linear Collider, and to increase our detector R&D efforts in pursuit of new innovations.