

Current and Pending Support: Jonathan Asaadi

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Support:	<input type="checkbox"/> Awarded <input checked="" type="checkbox"/> 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.	