

Current and Pending Support: Haleh Hadavand

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Support: <input checked="" type="checkbox"/> Awarded <input type="checkbox"/> Pending
Sponsor: NSF ATLAS Project Funds Award/Identifying Number: NSF PHY-1119200
Title of the Proposal: The U.S. ATLAS Research Program: Empowering U.S. Universities for Discoveries at the Energy Frontier
Total Award Amount for the Entire Award Period (including indirect costs): \$58,000
Award Period: 1/30/16-9/30/16
Number of Person-months per year to be devoted to the project: 0.0
Abstract: UTA is a sub-contractor of the NSF US ATLAS Operations program cooperative agreement managed by Columbia University. This cooperative agreement supports M&O, S&C and R&D activities on the ATLAS experiment at the LHC. Activities at UTA include the operation of the SouthWest Tier 2, PanDA software development, US Computing Operations, Analysis support and documentation, and TileCal detector operation and upgrade R&D. These support activities are critical to the success of the ATLAS physics program.

Current and Pending Support
Support: <input type="checkbox"/> Awarded <input checked="" type="checkbox"/> Pending
Sponsor: NSF Award/Identifying Number: 1654772
Title of the Proposal: Search for Beyond Standard Model Phenomena with Tau Leptons and Higgs
Total Award Amount for the Entire Award Period (including indirect costs): \$810,011
Award Period: 2017 – 2021
Number of Person-months per year to be devoted to the project: 2 months/year
Abstract: This proposal investigates search for Beyond Standard Model Phenomena with Tau Leptons and Higgs on the ATLAS experiment. This includes charged Higgs searches in the $\tau\nu$ final state and a Z boson + X search including leptons and taus in the final states. The Z+X combines five analyses into one scan by using a parametric fit to the background over a range of 4 GeV to a few TeV. This proposal also includes the R&D and production efforts for High Luminosity LHC for the Tile Scintillating Calorimeter low voltage power supplies.

Support: <input checked="" type="checkbox"/> Awarded <input type="checkbox"/> Pending
Sponsor: Department of Education Award/Identifying Number:
Proposal Title: Reaching Goals in Physics with GAANN Fellowships (Co-Pi)
Total Award Amount for the Entire Award Period (including indirect costs): \$536,688
Award Period: 9/01/2016- 8/31/2019
Number of Person-months per year to be devoted to the project:
Abstract: This proposal provides funding for physics graduate students with demonstrated need for financial aid, and includes a supervised teaching requirement.