

Current and Pending Support: Andrew P. White

Support:	<input checked="" type="checkbox"/> Awarded	<input type="checkbox"/> Pending
Sponsor: DOE	Award Number: DOE DE-SC0011686	
Title of the Funded Research Project: Research in Elementary Particle Physics		
Total Award Amount for the Entire Award Period (including indirect costs): \$890,000		
Award Period: 04/01/16 - 03/31/17		
Number of Person-months per year to be devoted to the project by the PI: 2.0		
<p>Abstract: This project supports the work of the UTA HEP group for the Energy and Intensity Frontiers. For the Energy Frontier, activities for the ATLAS experiment include leadership in computing and software, support for the operation and calibration of the Tile Calorimeter, physics studies in the SUSY and Higgs sectors, and upgrade work on TDAQi and low voltage power supplies. Also for the Energy Frontier, we have a Spokesperson role in the SiD Consortium for the International Linear Collider. Activities for SiD include the development of the design of the SiD Detector, establishing the SiD Consortium as a precursor to a full detector collaboration, promotion and coordination all aspects of detector R\&D and physics and performance studies, and representation of SiD within the HEP community nationally and internationally. For the Intensity Frontier efforts include optimization of LBNF beam line for DUNE, Design and construction of proton beam alignment monitor (PBAM) for DUNE, aka hadron monitor, optimization of Optical Coupling for DUNE photo detectors, DUNE 35t Data Analysis and Operations, studies for subGeV Dark Matter, Phase I LArIAT experiment data analyses, MiniBooNE beam dump data analysis, and contributions to Fermilab onsite long baseline experiments.</p>		

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