

## Session Program

7-9 May 2018



## Phenomenology 2018 Symposium

### ***Dark Sector & ALPs***

University of Pittsburgh  
Pittsburgh, PA 15260

Monday 7 May

14:15

Dark Sector & ALPs

Session | Location: Benedum Hall, G-31

14:15-14:30 **Supernova 1987A Constraints on Low-Mass Dark Sectors**

Speaker  
Jae Hyeok Chang

14:30-14:45 **Terrestrial effects on sub-GeV dark matter detection via electron scatterings for heavy and ultralight mediators**

Speakers  
Mukul Sholapurkar, Mukul Sholapurkar

14:45-15:00 **Reverse Direct Detection: Cosmic Ray Tests of Light Dark Matter Elastic Scattering**

Speaker  
Christopher Cappiello

15:00-15:15 **Dark Matter Substructure and Axion Astronomy**

Speaker  
Mr Joshua Foster

15:15-15:30 **Axion Production and Detection using Superconducting RF Cavities**

Speakers  
Ryan Janish, Ryan Janish

15:30-15:45 **SIMPs through the axion portal**

Speaker  
Robert McGehee

15:45-16:00 **Classical Nonrelativistic Effective Field Theories for a Real Scalar Axion Field**

Speaker  
Abhishek Mohapatra

16:00