

Session Program

8-10 May 2023



Phenomenology 2023 Symposium

DM I

University of Pittsburgh
Pittsburgh, PA 15260

Monday 8 May

16:30

DM I

Session | **Location:** Lawrence Hall 106 | **Convener:** Javier Acevedo

16:30-16:45

Ab-initio all-electron calculation of dark matter--electron scattering rates with emphasis on theoretical uncertainties.

Speaker

Aman Singal

16:45-17:00

Directional detection of dark matter with anisotropic response functions

Speaker

Benjamin Lehmann

17:00-17:15

Recent Developments in Measuring the Migdal Effect

Speaker

Duncan Adams

17:15-17:30

The Molecular Migdal Effect

Speaker

Ian Harris

17:30-17:45

Results from sub-GeV dark matter searches with SENSEI

Speaker

Kelly Stifter

17:45-18:00

Probing Dark Matter Substructure with Pulsar Timing Arrays

Speaker

Vincent Lee

18:00-18:15

Search for prompt production of a GeV scale resonance decaying to a pair of muons using data scouting at CMS

Speaker

Zhangqier Wang

18:15-18:30

Detecting Ultralight Dark Photon Dark Matter Using Optomechanical Sensors

Speaker

Dorian Amaral

18:30-18:45

An Analytic Approach to Light Dark Matter Propagation

Speaker

Christopher Cappiello

18:45