

Session Program

8-10 May 2023



Phenomenology 2023 Symposium

BSM XII

University of Pittsburgh
Pittsburgh, PA 15260

Tuesday 9 May

16:30

BSM XII

Session | **Location:** Lawrence Hall 107 | **Convener:** Seth Koren

16:30-16:45

Low-Energy Supernovae Bounds on Sterile Neutrinos

Speaker

Garv Chauhan

16:45-17:00

Neutrino pair radiation from pulsar binaries

Speaker

Margarita Gavrilova

17:00-17:15

Probing the Sun for BSM Physics using RHESSI

Speaker

Robert Gustafson

17:15-17:30

Cosmological Constraints on Long Lived Supersymmetric Particles

Speaker

Dipan Sengupta

17:30-17:45

Constraining Ultralight Scalar Dark Matter with Quadratic Couplings from Big Bang Nucleosynthesis

Speaker

Tom Bouley

17:45-18:00

Probing ultralight dark-photon dark matter with asteroids

Speaker

Mr Anubhav Mathur

18:00-18:15

Characterizing the Galactic Center gamma-ray Excess using differentiable probabilistic programming

Speaker

Yitian Sun

18:15-18:30

Limits on Dark Matter Annihilation from the Shape of Radio Emission in M31

Speaker

Mitchell Weikert

18:30