

Session Program

19-21 May 2025



Phenomenology 2025 Symposium

Gravitational Waves

University of Pittsburgh

Tuesday 20 May

16:30

Gravitational Waves

Session | **Location:** David Lawrence Hall 107, University of Pittsburgh

16:30–16:45

Gravitational wave signals from transitions of Gravitational atoms in Black Hole Binaries

Speaker

Antonios Kyriazis

16:45–17:00

Self Consistent Thermal Resummation: A Case Study of the Phase Transition in 2HDM

Speaker

Dr Subhojit Roy

17:00–17:15

Holographic phase transitions via thermally-assisted tunneling

Speaker

Arpon Paul

17:15–17:30

On the Feasibility of Detecting the Graviton Mass in PTAs: A Novel Approach from the Massive Dispersion Relation

Speaker

Chris Choi

17:30–17:45

Analysis of kinematic anisotropies with pulsar timing array

Speaker

Murman Gurgendze

17:45–18:00

Millisecond Pulsars In Galactic Center

Speaker

Shengyi Liu

18:00–18:15

Gauge-Invariant Observables for Gravitational Waves from a First-Order Electroweak Phase Transition

Speaker

Manuel Díaz

18:15–18:30

Single-step first order phase transition and gravitational waves in a SIMP dark matter scenario

Speaker

Himadri Roy

18:30