

**Session Program**

14-18 Oct 2024

**PPC 2024: XVII International Conference on  
Interconnections between Particle Physics  
and Cosmology**

***Parallel - ASP & GW***

# Wednesday 16 October

14:00

## Parallel - ASP & GW: Session 1

**Session** | **Location:** IIT Hyderabad, Auditorium 1, Convention Center | **Convener:** Mohamed Rameez

**14:00-14:15** **Tick-Tock: a supermassive black hole binary?**

**Speaker**

Avinash Kumar Paladi

**14:15-14:30**

**Single pulsar noise analysis efforts by the Indian Pulsar Timing Array experiment**

**Speaker**

Mr Aman Srivastava

**14:30-14:45**

**Constraints on leptophobic models and dark matter from gravitational waves to colliders**

**Speaker**

Ms Taramati Guruwani

**14:45-15:00**

**Probing non-standard cosmology through sub-earth halos**

**Speaker**

Mr ARPAN HAIT

**15:00-15:15**

**First Search for High-Energy Neutrino Emission from Galaxy Mergers**

**Speaker**

Subhadip Bouri

**15:15-15:30**

**Search for fast magnetic monopole with NOvA Far Detector**

**Speaker**

Lipsarani Panda

**15:30-15:45**

**Search for GeV Gamma-Ray Emission from SPT-SZ selected Galaxy Clusters with 15 years of Fermi-LAT data**

**Speaker**

Siddhant Manna

16:00

17:30

## Parallel - ASP & GW: Session 2

**Session** | **Location:** IIT Hyderabad, Auditorium 1, Convention Center | **Convener:** Prayush Kumar

**17:30-17:45**

**Probing flavor violation and baryogenesis via primordial gravitational waves**

**Speaker**

Zafri Ahmed Borboruah

**17:45-18:00**

**Gravitational Waves as a Probe of Heavy Non-Annihilating Dark Matter**

**Speaker**  
Sulagna Bhattacharya

**18:00-18:15**   **Gravitational waves from quasi-stable cosmic strings and PTA data**

**Speaker**  
Dr RINKU MAJI

**18:15-18:30**

**Exploring cosmological gravitational wave backgrounds through the synergy of LISA and ET**

**Speaker**  
Debika Chowdhury

**18:30-18:45**

**Inflationary Gravitational Wave Spectral Shapes as test for Low-Scale Leptogenesis**

**Speaker**  
Ms Lekhika Malhotra

**18:45-19:00**

**Observing the unseen: Faraday rotation signatures and Parker bounds on primordial magnetic black holes**

**Speaker**  
Lalit Singh Bhandari

19:00