

**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