



# Dark Sectors of Astroparticle Physics (AstroDark-2021): Axions, Neutrinos, Black Holes and Gravitational Waves

## Tuesday 07 December 2021

### Parallel 3: Black Holes and Gravitational Waves (11:20-13:08)

| time  | [id] title  | presenter              |
|-------|---|------------------------|
| 11:20 | [51] Ionization of Gravitational Atoms  | STOUT, John            |
| 11:38 | [52] Asteroid Tracking Array and Space Quantum Technology for Fundamental Physics | TSAI, Yu-Dai           |
| 11:56 | [53] Asymmetric Reheating by Primordial Black Holes                               | SHAMS ES HAGHI, Barmak |
| 12:14 | [54] Cloud Cooling Bounds on Intermediate Mass and Light Primordial Black Holes   | LU, Philip             |
| 12:32 | [55] Gravitational Wave Signatures of Baryonic Dark Matter                        | FORNAL, Bartosz        |
| 12:50 | [56] Mergers as a Probe of Particle Dark Matter                                   | RAY, Anupam            |

## Thursday 09 December 2021

### Parallel 3: Black Holes and Gravitational Waves (11:20-13:26)

| time  | [id] title   | presenter          |
|-------|--|--------------------|
| 11:20 | [69] Tidal Deformation and Dissipation of Rotating Black Holes                 | HORNG SHENG, Chia  |
| 11:38 | [72] Detecting New Forces in the Gravitational Wave Background                 | LEHMANN, Benjamin  |
| 11:56 | [73] Black Hole Superradiance of Self-Interacting Scalar Fields                | GALANIS, Marios    |
| 12:14 | [74] Dark Matter, Black Holes and Phase Transitions                            | BAKER, Michael     |
| 12:32 | [71] Search for Black Holes in the Galactic Halo by Gravitational Microlensing | MONIEZ, Marc       |
| 12:50 | [70] Searching for New Compact Objects with Gravitational Waves                | EDWARDS, Thomas    |
| 13:08 | [75] Primordial Black Hole Dark Matter Evaporating on the Neutrino Floor       | CALABRESE, Roberta |