



# Seventeenth Marcel Grossmann Meeting

## Tuesday, 9 July 2024

### Black hole formation, evolution and the black hole mass gap: Tuesday block 1 - Sala 17 (15:00 - 16:30)

-Conveners: Grant Mathews

| time  | [id] title   | presenter        |
|-------|--|------------------|
| 15:00 | [103] Primordial Black Hole Dark Matter from Warm Natural Inflation        | MATHEWS, Grant   |
| 15:20 | [223] Spins of primordial black holes in a matter-dominated era            | SAITO, Daiki     |
| 15:40 | [7] New instanton on a warped Kerr spacetime                               | SLAGTER, Reinoud |
| 16:00 | [187] Observations of binary black holes in the pair-instability mass gap. | KLIMENKO, Sergey |

### Black hole formation, evolution and the black hole mass gap: Tuesday block 2 - Sala 17 (17:00 - 18:40)

-Conveners: Grant Mathews

| time  | [id] title   | presenter                |
|-------|--|--------------------------|
| 17:00 | [565] Illustris-TNG simulated central black mass and Galaxy properties correlations with a Machine Learning approach | DINDY, Imani             |
| 17:20 | [360] Gravitational wave echos from physical black holes   | CAO, Yu-Song             |
| 17:40 | [36] A new channel to form near- and sub-solar-mass black holes and naked singularities                              | CHAKRABORTY, Chandrachur |
| 18:00 | [501] Initial Conditions and Evolution for Spherically Symmetric Collapse  | Mrs BAYONA, Elly         |
| 18:20 | [230] Electric and magnetic fields of a charged ring in the vicinity of Kerr black hole                              | KOMAROV, Stanislav       |