Session Program

14–18 Dec 2026

Dark Side of the Universe 2026

GW I: compact binaries & black holes

Thursday 17 December

14:00

GW I: compact binaries & black holes

Session |
Location: M01, Faculty of Science, Chulalongkorn University Phayathai Road, Pathumwan, Bangkok 10330 Thailand

14:00–14:20

Next-to-next-to-leading gravitational radiation-reaction corrections to quasi-elliptic and quasi-hyperbolic compact binary orbits

Speaker
Emeric Seraille

14:20–14:40

Ringdown Diagnostics of Hairy Black Holes as Strong-Gravity Probes Beyond Kerr

Speaker
Ariadna Uxue Palomino Ylla

14:40–15:00

Reconstructing the Dark Matter Equation of State with Compact Object Inspirals

Speaker
Boris Betancourt Kamenetskaia

15:00–15:20

Gravitational Wave Probes of Dark Matter around Binary Black Holes

Speaker
Amitayus Banik

15:20–15:40

Cosmology with Dark Sirens and Large Scale Structures cross-correlations

Speaker
Alessandro Cuoco

15:40