



# IBS CTPU-CGA 2025 Summer School and Workshop for High Energy Physics and Cosmology in Korea

## Tuesday, 29 July 2025

**100: chaired by Atsuhisa Ota (16:50 - 18:30)**

time	[id] title	presenter
16:50	[16] A photon cloud induced from an axion cloud	TANG, Zi-Yu
17:15	[17] Signatures of Primordial Gravitational Waves on the Large-Scale Structure of the Universe.	BARI, Pritha
17:40	[18] Superradiant Bosons Driving Supermassive Black Hole Mergers	ZHU, Huiyu
18:05	[19] Ultra-Light Dark Matter and its Dynamical Friction	KOO, Hyeonmo

# Thursday, 31 July 2025

## 100: chaired by Nils Albin Nilsson (16:50 - 18:30)

time	[id] title	presenter
16:50	[27] Searching for Dark Neighbors: DL-based local DM density estimation in sub-kpc scale	KIM, Yigon
17:15	[28] Constraining the Dark Energy Equation of State with the Extended Alcock–Paczyński test	KWON, Minseong
17:40	[29] Realizing Non-Singular Cosmologies within Horndeski Gravity	PETROV, Pavel
18:05	[30] Primordial Black Hole: Future Perspective in Gravitational Wave Astronomy	DING, Qianhang