

Session Program

16-21 Nov 2025



The 13th KIAS Workshop for Particle Physics and Cosmology joint with 2025 CERN-CKC workshop joint with

Morning Session 1

Shilla Stay Haeundae, Ballroom1, Third Floor
<https://m.shillastay.com/haeundae/index.do>

Monday 17 November

10:00

Morning Session 1

Session | **Location:** Shilla Stay Haeundae, Ballroom1, Third Floor, <https://m.shillastay.com/haeundae/index.do>

10:00-10:30 **Affleck-Dine Leptoflavorgenesis**

Speaker

Koichi Hamaguchi

10:30-11:00

Genesis of Baryon and Dark Matter Asymmetries via Ultraviolet Freeze-in

Speaker

Michael Shamma

11:00

Tuesday 18 November

10:00

Morning Session 1

Session | **Location:** Shilla Stay Haeundae, Ballroom1, Third Floor, <https://m.shillastay.com/haeundae/index.do>

10:00-10:30

Early Universe dynamics in the presence of new physics at the neutrino decoupling epoch

Speaker

Maksym Ovchynnikov

10:30-11:00

BBN constraints on long-lived particles

Speaker

Taehyun Jung

11:00

Wednesday 19 November

10:00

Morning Session 1: Axion

Session | **Location:** Shilla Stay Haeundae, Ballroom1, Third Floor, <https://m.shillastay.com/haeundae/index.do>

10:00–10:30

A high-quality QCD axion from strong dynamics

Speaker

Tony Gherghetta

10:30–11:00

Non-invertible Chiral Symmetry and Axions under Electromagnetic Duality

Speaker

Gongjun Choi

11:00

Thursday 20 November

10:00

Morning Session 1: DM

Session | **Location:** Shilla Stay Haeundae, Ballroom1, Third Floor, <https://m.shillastay.com/haeundae/index.do>

10:00–10:30 **Revisiting dark photon searches**

Speaker

Chuan-Ren Chen

10:30–11:00

Unified Gas Heating Constraints on Extended Dark Matter Compact Objects

Speaker

Dr TaeHun Kim

11:00