

Session Program

Nov 4 - 8, 2019

**The 1st Asian-European-Institutes (AEI)
Workshop for BSM and the 9th KIAS
Workshop on Particle Physics and Cosmology**

Session II

Shilla Stay Jeju
100, Noyeon-ro, Jeju-si, Jeju-do, South Korea

Mon, November 4

2:00 PM

Session II: Afternoon I

Session | **Location:** Shilla Stay Jeju, 100, Noyeon-ro, Jeju-si, Jeju-do, South Korea

2:00 – 2:25 PM **Cornering Higgsino at the LHC**

Speaker

Satoshi Shirai

2:30 – 2:55 PM

Same-sign Charged Higgs Pair Production in bosonic decay channels at the HL-LHC and HE-LHC

Speaker

Chih-Ting Lu

3:00 – 3:25 PM

Long Lived Particle Search with timing information at the HL-LHC

Speaker

Dongwoo Kang

3:30 PM

4:00 PM

Session II: Afternoon II

Session | **Location:** Shilla Stay Jeju, 100, Noyeon-ro, Jeju-si, Jeju-do, South Korea

4:00 – 4:25 PM **Long-lived dark photon at the LHC**

Speaker

Van Que Tran

4:30 – 4:55 PM

Heavy quark flavored dark matter confronting experiments

Speaker

Prof. Peiwen Wu

5:00 – 5:25 PM

Fermion dark matter in models with U(1) symmetry

Speaker

Toshinori Matsui

5:30 – 5:55 PM

Study of B to D semileptonic decays by using lattice QCD

Speaker

Jaehoon Leem

6:00 PM

Tue, November 5

5:30 PM

Session II: Afternoon III

Session | **Location:** Shilla Stay Jeju, 100, Noyeon-ro, Jeju-si, Jeju-do, South Korea

5:30 - 5:55 PM

Neutrino Oscillations in Dark Matter

Speaker

Jongkuk Kim

6:00 - 6:25 PM

Big Bounce Baryogenesis

Speaker

Neil Barrie

6:30 - 6:55 PM

Dark Matter Bound State Formation in Fermionic Z_2 DM model with Light Dark Photon and Dark Higgs Boson

Speaker

Yi-Lei Tang

7:00 PM

Thu, November 7

2:00 PM

Session II: Afternoon VI

Session | **Location:** Shilla Stay Jeju, 100, Noyeon-ro, Jeju-si, Jeju-do, South Korea

2:00 – 2:25 PM

Interplay between flavor physics and the direct search for new physics

Speaker

Yuji Omura

2:30 – 2:55 PM

Radiative neutrino mass generation model and lepton flavor violation

Speaker

Takaaki Nomura

3:00 – 3:25 PM

Light Mediators in Anomaly Free U(1) models

Speaker

Fagner Correia

3:30 PM

4:00 PM

Session II: Afternoon V

Session | **Location:** Shilla Stay Jeju, 100, Noyeon-ro, Jeju-si, Jeju-do, South Korea

4:00 – 4:25 PM

Quintessence Saves Higgs Instability

Speaker

Dr Chengcheng Han

4:30 – 4:55 PM

Neutrino masses and Gravitational waves

Speaker

Oleg Popov

5:00 – 5:25 PM

On resonances, amplitudes and the UV completion of gravity

Speaker

Rodrigo Alonso De Pablo

5:30 – 5:55 PM

Solving the strong CP problem with horizontal gauge symmetry

Speaker

gongjun choi

6:00 PM