



# The 2nd Asian-European-Institutes (AEI) Workshop for BSM and the 10th KIAS Workshop on Particle Physics and Cosmology

## Monday, 14 November 2022

### Afternoon Session (14:00 - 15:40)

-Conveners: Hye-Sung Lee

time	[id] title	presenter
14:00	[11] Sensitivities to secret neutrino interaction at meson decay and short baseline neutrino experiments	BAKHTI, Pouya
14:20	[12] Non-Standard Interaction of atmospheric neutrino in future experiments	RAJAEI, Meshkat
14:40	[13] Testing electroweak scale seesaw models at $e^+e^-$ and $\gamma\gamma$ collisions	MANDAL, Sanjoy
15:00	[14] Displaced Decay Signatures in Probing Seesaw	SEN, Chandrima
15:20	[15] Nucleon Decay and (Low-Scale) Pati-Salam	DUTKA, Tomasz

### Afternoon Session (16:20 - 18:00)

-Conveners: Minho Son

time	[id] title	presenter
16:20	[16] An interplay between composite Dirac neutrinos and the QCD axion	JUNG, Tae Hyun
16:40	[17] CP violation in gauged U(1)	MATSUI, Toshinori
17:00	[19] A Global Analysis of Resonance-enhanced Light Scalar Dark Matter	WATANABE, Yu
17:20	[20] Complex Singlet Benchmarks at Future Collider Experiments	LANE, Samuel

## Tuesday, 15 November 2022

### Afternoon Session (17:00 - 18:00)

-Conveners: Wan-Il Park

time	[id] title	presenter
17:00	[29] All the covariant tensor currents of massless particles in the covariant formulation	JEONG, Jae Hoon
17:20	[30] Some updates on swampland phenomenology	YAMAZAKI, Masahito
17:40	[32] Detectable Gravitational Waves from Preheating and Particle Physics Phenomenology	SAHA, Pankaj

# Thursday, 17 November 2022

## Afternoon Session (17:00 - 18:00)

-Conveners: Seodong Shin

time	[id] title	presenter
17:00	[40] Riemannian Data preprocessing in Machine Learning to focus on QCD color structure	HAMMAD, Ahmed
17:20	[42] Exploring extended Higgs sectors via pair production at the LHC	FLACKE, Thomas
17:40	[43] Exploration of Parameter Spaces Assisted by Machine Learning	RAMOS, Raymundo