

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

Report of Contributions

Contribution ID: 33

Type: **not specified**

Talk 1

Contribution ID: **34**

Type: **not specified**

Dark Axion Portal

Monday 4 November 2019 09:00 (50 minutes)

Hye-Sung Lee

Presenter: LEE, Hye-Sung (KAIST)

Session Classification: Session I

Contribution ID: 35

Type: **not specified**

Axion-photon-dark photon oscillation and its implication for 21cm observation

Monday 4 November 2019 09:55 (30 minutes)

Presenter: YUN, Seokhoon (KIAS)

Session Classification: Session I

Contribution ID: 36

Type: **not specified**

Recent Phenomenological Progress in Gauged Two Higgs Doublet Model

Monday 4 November 2019 11:00 (40 minutes)

Presenter: YUAN, tc

Session Classification: Session I

Contribution ID: 37

Type: **not specified**

Fast-rolling Relaxion

Monday 4 November 2019 11:45 (40 minutes)

Presenter: SHOJI, Yutaro (University of Tokyo)

Session Classification: Session I

Contribution ID: **38**

Type: **not specified**

Cornering Higgsino at the LHC

Monday 4 November 2019 14:00 (25 minutes)

Presenter: SHIRAI, Satoshi (Kavli IPMU)

Session Classification: Session II

Contribution ID: 39

Type: **not specified**

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

Monday 4 November 2019 14:30 (25 minutes)

Presenter: LU, Chih-Ting (National Tsing Hua University)

Session Classification: Session II

Contribution ID: 40

Type: **not specified**

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

Monday 4 November 2019 15:00 (25 minutes)

Presenter: KANG, Dongwoo (KIAS)

Session Classification: Session II

Contribution ID: 41

Type: **not specified**

Long-lived dark photon at the LHC

Monday 4 November 2019 16:00 (25 minutes)

Presenter: TRAN, Van Que (Nanjing University)

Session Classification: Session II

Contribution ID: 42

Type: **not specified**

Heavy quark flavored dark matter confronting experiments

Monday 4 November 2019 16:30 (25 minutes)

Presenter: Prof. WU, Peiwen (Southeast University (SEU))

Session Classification: Session II

Contribution ID: 43

Type: **not specified**

Fermion dark matter in models with $U(1)$ symmetry

Monday 4 November 2019 17:00 (25 minutes)

Presenter: MATSUI, Toshinori

Session Classification: Session II

Contribution ID: 44

Type: **not specified**

Study of B to D semileptonic decays by using lattice QCD

Monday 4 November 2019 17:30 (25 minutes)

Presenter: LEEM, Jaehoon (Korea Institute for Advanced Study)

Session Classification: Session II

Contribution ID: 45

Type: **not specified**

Neutrino self-interaction in the signals from blazar TXS 0506+056

Monday 4 November 2019 20:00 (20 minutes)

Presenter: JHO, Yongsoo

Session Classification: Student Session

Contribution ID: 46

Type: **not specified**

Probing sterile neutrino in meson decays with and without sequential neutrino decay

Monday 4 November 2019 20:20 (20 minutes)

Presenter: LEE, Donghun (Yonsei University)

Session Classification: Student Session

Contribution ID: 47

Type: **not specified**

J-factor estimation of Draco, Sculptor and Ursa Minor dSphs with the member/foreground mixture model

Monday 4 November 2019 20:40 (20 minutes)

Presenter: Horigome, Shunichi (Kavli IPMU)

Session Classification: Student Session

Contribution ID: 48

Type: **not specified**

Prospects and New Viewpoints of Future Collider Probes

Tuesday 5 November 2019 09:00 (50 minutes)

Presenter: JUNG, Sunghoon (Seoul National University)

Session Classification: Session I

Contribution ID: 49

Type: **not specified**

Weyl Symmetry Inspired Inflation and Dark Matter

Tuesday 5 November 2019 09:55 (30 minutes)

Presenter: Dr TANG, Yong

Session Classification: Session I

Contribution ID: 50

Type: **not specified**

Light Fermionic Thermal Dark Matter with Light Scalar Mediator

Tuesday 5 November 2019 11:00 (40 minutes)

Presenter: MATSUMOTO, Shigeki (Kavli IPMU)

Session Classification: Session I

Contribution ID: 51

Type: **not specified**

Searching for new particles in the large scale structure of the universe

Tuesday 5 November 2019 11:45 (40 minutes)

Presenter: AN, Haipeng (Tsinghua University)

Session Classification: Session I

Contribution ID: 52

Type: **not specified**

Neutrino Oscillations in Dark Matter

Tuesday 5 November 2019 17:30 (25 minutes)

Presenter: KIM, Jongkuk

Session Classification: Session II

Contribution ID: 53

Type: **not specified**

Big Bounce Baryogenesis

Tuesday 5 November 2019 18:00 (25 minutes)

Presenter: BARRIE, Neil (Kavli IPMU)

Session Classification: Session II

Contribution ID: 54

Type: **not specified**

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

Tuesday 5 November 2019 18:30 (25 minutes)

Presenter: TANG, Yi-Lei (Peking University)

Session Classification: Session II

Contribution ID: 55

Type: **not specified**

QCD Instantons at Colliders

Wednesday 6 November 2019 09:00 (50 minutes)

Presenter: KHOZE, Valentin V (Durham University)

Session Classification: Session I

Contribution ID: 56

Type: **not specified**

Continuum Naturalness

Wednesday 6 November 2019 09:55 (30 minutes)

Presenter: LEE, Seung J. (Korea University)

Session Classification: Session I

Contribution ID: 57

Type: **not specified**

New physics simulations at NLO in full generality

Wednesday 6 November 2019 11:00 (25 minutes)

Presenter: FUKS, Benjamin (Centre National de la Recherche Scientifique (FR))

Session Classification: Session I

Contribution ID: 58

Type: **not specified**

M Takeuchi

Wednesday 6 November 2019 11:30 (25 minutes)

Presenter: TAKEUCHI, Michihisa (KMI, Nagoya Univ.)

Session Classification: Session I

Contribution ID: 59

Type: **not specified**

New viewpoints about 2HDM's

Friday 8 November 2019 10:30 (25 minutes)

Presenter: KO, pyungwon (Korea Inst. for Advanced Study (KIAS))

Session Classification: Session I

Contribution ID: **60**

Type: **not specified**

Machine Learning in Particle Physics

Thursday 7 November 2019 09:00 (50 minutes)

Presenter: SPANNOWSKY, Michael (IPPP Durham)

Session Classification: Session I

Contribution ID: **61**

Type: **not specified**

Potentially interesting aspects of the effective potential

Thursday 7 November 2019 09:55 (30 minutes)

Presenter: PARK, Jae-hyeon (KIAS QUC)

Session Classification: Session I

Contribution ID: **62**

Type: **not specified**

M Park

Thursday 7 November 2019 11:00 (40 minutes)

Presenter: PARK, Myeonghun (Institute for basic Science (KR))

Session Classification: Session I

Contribution ID: 63

Type: **not specified**

Interpretable Deep Learning for Jet Classification with Jet Spectra

Thursday 7 November 2019 11:45 (40 minutes)

Presenter: LIM, Sung Hak (KEK)

Session Classification: Session I

Contribution ID: 64

Type: **not specified**

Interplay between flavor physics and the direct search for new physics

Thursday 7 November 2019 14:00 (25 minutes)

Presenter: OMURA, Yuji (KMI, Nagoya University)

Session Classification: Session II

Contribution ID: 65

Type: **not specified**

Radiative neutrino mass generation model and lepton flavor violation

Thursday 7 November 2019 14:30 (25 minutes)

Presenter: NOMURA, Takaaki (Korea Institute for Advanced Study)

Session Classification: Session II

Contribution ID: 66

Type: **not specified**

Light Mediators in Anomaly Free U(1) models

Thursday 7 November 2019 15:00 (25 minutes)

Presenter: CORREIA, Fagner (Korea Institute for Advanced Study)

Session Classification: Session II

Contribution ID: 67

Type: **not specified**

Quintessence Saves Higgs Instability

Thursday 7 November 2019 16:00 (25 minutes)

Presenter: Dr HAN, Chengcheng (KIAS)

Session Classification: Session II

Contribution ID: **68**

Type: **not specified**

Neutrino masses and Gravitational waves

Thursday 7 November 2019 16:30 (25 minutes)

Presenter: POPOV, Oleg (Seoul National University of Science and Technology)

Session Classification: Session II

Contribution ID: **69**

Type: **not specified**

On resonances, amplitudes and the UV completion of gravity

Thursday 7 November 2019 17:00 (25 minutes)

Presenter: ALONSO DE PABLO, Rodrigo (University of Tokyo (JP))

Session Classification: Session II

Contribution ID: 70

Type: **not specified**

Solving the strong CP problem with horizontal gauge symmetry

Thursday 7 November 2019 17:30 (25 minutes)

Presenter: CHOI, gongjun

Session Classification: Session II

Contribution ID: 71

Type: **not specified**

Exotics from Composite Higgs Models

Friday 8 November 2019 09:00 (25 minutes)

Presenter: FLACKE, Thomas (IBS-CTPU)

Session Classification: Session I

Contribution ID: 72

Type: **not specified**

Searching for Light Boson via the Yukawa Process at Lepton Colliders

Friday 8 November 2019 09:30 (25 minutes)

Presenter: MONDAL, Tanmoy (Korea Institute for Advanced Study)

Session Classification: Session I

Contribution ID: 73

Type: **not specified**

The Normal Neutrino Mass Hierarchy is Exactly What We Need!

Friday 8 November 2019 10:00 (25 minutes)

Presenter: GE, Shao-Feng (TDLI-SJTU)

Session Classification: Session I