

**Light Dark World
International Forum 2018**

Report of Contributions

Contribution ID: 1

Type: **not specified**

The status of flavor anomalies

Tuesday, December 18, 2018 4:45 PM (35 minutes)

Primary author: ALTMANNSHOFER, Wolfgang (UC Santa Cruz)

Presenter: ALTMANNSHOFER, Wolfgang (UC Santa Cruz)

Session Classification: Session

Contribution ID: 2

Type: **not specified**

The NA64 Experiment at the CERN SPS

Tuesday, December 18, 2018 2:35 PM (35 minutes)

Primary author: BANERJEE, Dipanwita (Univ. Illinois at Urbana Champaign (US))

Presenter: BANERJEE, Dipanwita (Univ. Illinois at Urbana Champaign (US))

Session Classification: Session

Contribution ID: 3

Type: **not specified**

Cosmological Probes of Dark Matter Physics

Monday, December 17, 2018 2:35 PM (35 minutes)

Primary author: BODDY, Kimberly (Johns Hopkins University)

Presenter: BODDY, Kimberly (Johns Hopkins University)

Session Classification: Session

Contribution ID: 4

Type: **not specified**

Flavorful axion phenomenology

Tuesday, December 18, 2018 11:10 AM (35 minutes)

Primary author: CHUN, Eung Jin (Korea Institute for Advanced Study)

Presenter: CHUN, Eung Jin (Korea Institute for Advanced Study)

Session Classification: Session

Contribution ID: 5

Type: **not specified**

The dark axion portal at the intensity frontier

Tuesday, December 18, 2018 3:10 PM (35 minutes)

Primary author: DENIVERVILLE, Patrick (IBS Center for Theoretical Physics of the Universe)

Presenter: DENIVERVILLE, Patrick (IBS Center for Theoretical Physics of the Universe)

Session Classification: Session

Contribution ID: 6

Type: **not specified**

Primordial black holes and small-scale constraints

Wednesday, December 19, 2018 10:05 AM (35 minutes)

Primary author: GONG, Jinn-Ouk (KASI)

Presenter: GONG, Jinn-Ouk (KASI)

Session Classification: Session

Contribution ID: 7

Type: **not specified**

Dark Matter models at the SeaQuest experiment

Tuesday, December 18, 2018 2:00 PM (35 minutes)

Primary author: GORI, Stefania (UC Santa Cruz)

Presenter: GORI, Stefania (UC Santa Cruz)

Session Classification: Session

Contribution ID: 8

Type: **not specified**

A Limit on Axion from the Cooling Neutron Star in Cassiopeia A

Tuesday, December 18, 2018 10:05 AM (35 minutes)

Primary author: HAMAGUCHI, Koichi (University of Tokyo)

Presenter: HAMAGUCHI, Koichi (University of Tokyo)

Session Classification: Session

Contribution ID: 9

Type: **not specified**

The WIMP is Dead! Long Live the WIMP!

Monday, December 17, 2018 2:00 PM (35 minutes)

Primary author: HOOPER, Dan (Fermilab)

Presenter: HOOPER, Dan (Fermilab)

Session Classification: Session

Contribution ID: **10**

Type: **not specified**

Sharp spectral features from light dark matter decay

Monday, December 17, 2018 4:10 PM (35 minutes)

Primary author: IBARRA, Alejandro (TUM)

Presenter: IBARRA, Alejandro (TUM)

Session Classification: Session

Contribution ID: 11

Type: **not specified**

Light hadrophilic scalars

Tuesday, December 18, 2018 4:10 PM (35 minutes)

Primary author: ISMAIL, Ahmed (University of Pittsburgh)

Presenter: ISMAIL, Ahmed (University of Pittsburgh)

Session Classification: Session

Contribution ID: 12

Type: **not specified**

Double Beta Decay Experiments

Monday, December 17, 2018 9:30 AM (35 minutes)

Primary author: KIM, Yeongduk (IBS)

Presenter: KIM, Yeongduk (IBS)

Session Classification: Session

Contribution ID: 13

Type: **not specified**

Particle physics models for interacting dark matter-dark radiation and tensions in H_0 and σ_8

Wednesday, December 19, 2018 9:30 AM (35 minutes)

Primary author: KO, Pyungwon (Korea Inst. for Advanced Study (KIAS))

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

Session Classification: Session

Contribution ID: 14

Type: **not specified**

Imprints of reheating on low-energy physics

Monday, December 17, 2018 5:20 PM (35 minutes)

Primary author: LEE, Hyun Min (Chung-Ang University)

Presenter: LEE, Hyun Min (Chung-Ang University)

Session Classification: Session

Contribution ID: 15

Type: **not specified**

Light dark matter from topological defects

Wednesday, December 19, 2018 11:10 AM (35 minutes)

Primary author: LONG, Andrew (Rice University)

Presenter: LONG, Andrew (Rice University)

Session Classification: Session

Contribution ID: 16

Type: **not specified**

Timing information for Long-Lived Particle and light dark matter

Monday, December 17, 2018 4:45 PM (35 minutes)

Presenter: PARK, Seong Chan (Yonsei University)

Session Classification: Session

Contribution ID: 17

Type: **not specified**

Long-range interactions in neutrino oscillations

Monday, December 17, 2018 11:10 AM (35 minutes)

Primary author: RAUT, Sushant (IBS CTPU, Daejeon, South Korea)

Presenter: RAUT, Sushant (IBS CTPU, Daejeon, South Korea)

Session Classification: Session

Contribution ID: **18**

Type: **not specified**

Science prospects and status of the JSNS2 Experiment

Monday, December 17, 2018 10:05 AM (35 minutes)

Primary author: ROTT, Carsten (Sungkyunkwan University)

Presenter: ROTT, Carsten (Sungkyunkwan University)

Session Classification: Session

Contribution ID: 19

Type: **not specified**

Probing new physics with atomic clocks

Monday, December 17, 2018 11:45 AM (35 minutes)

Primary author: SAFRONOVA, Marianna (University of Delaware)

Presenter: SAFRONOVA, Marianna (University of Delaware)

Session Classification: Session

Contribution ID: 20

Type: **not specified**

A comprehensive approach to axion research

Tuesday, December 18, 2018 9:30 AM (35 minutes)

Primary author: SEMERTZIDIS, Yannis (IBS-CAPP and KAIST)

Presenter: SEMERTZIDIS, Yannis (IBS-CAPP and KAIST)

Session Classification: Session

Contribution ID: 21

Type: **not specified**

Low scale inflation and constraints on axions

Tuesday, December 18, 2018 11:45 AM (35 minutes)

Primary author: YIN, Wen (KAIST)

Presenter: YIN, Wen (KAIST)

Session Classification: Session

Contribution ID: 22

Type: **not specified**

Direct Detection of sub-GeV Dark Matter

Wednesday, December 19, 2018 11:45 AM (35 minutes)

Primary author: YU, Tien-Tien (University of Oregon (US))

Presenter: YU, Tien-Tien (University of Oregon (US))

Session Classification: Session

Contribution ID: 23

Type: **not specified**

COSINE-100 dark matter search experiment

Monday, December 17, 2018 3:10 PM (35 minutes)

Primary author: LEE, Hyun Su (CUP, Institute for Basic Science)

Presenter: LEE, Hyun Su (CUP, Institute for Basic Science)

Session Classification: Session