

# **The 1st Yemilab Workshop**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Session 5

Contribution ID: 2

Type: **not specified**

## Welcome Remarks

*Monday, October 17, 2022 9:00 AM (10 minutes)*

**Presenter:** NOH, Doyoung (IBS)

**Session Classification:** Sesseion 1

Contribution ID: 3

Type: **not specified**

## Introduction

*Monday, October 17, 2022 9:10 AM (10 minutes)*

**Presenter:** KIM, Yeongduk (IBS)

**Session Classification:** Sesseion 1

Contribution ID: 4

Type: **not specified**

## Yemilab Facility Overview

*Monday, October 17, 2022 9:20 AM (20 minutes)*

**Presenter:** PARK, Kang-Soon (IBS)

**Session Classification:** Sesseion 1

Contribution ID: 5

Type: **not specified**

## **Major Underground Facilities in the World**

*Monday, October 17, 2022 9:40 AM (40 minutes)*

**Presenter:** LESKO, Kevin (LBNL)

**Session Classification:** Sesseion 1

Contribution ID: 6

Type: **not specified**

## Neutrinoless Double Beta Decay Overview

*Monday, October 17, 2022 10:30 AM (30 minutes)*

**Presenter:** GRATTA, Giorgio (Stanford)

**Session Classification:** Session 2

Contribution ID: 7

Type: **not specified**

## **AMoRE New Results and Plan**

*Monday, October 17, 2022 11:00 AM (30 minutes)*

**Presenter:** KIM, Yeongduk (Institute for Basic Science)

**Session Classification:** Session 2

Contribution ID: **8**

Type: **not specified**

## **nEXO**

*Monday, October 17, 2022 11:30 AM (30 minutes)*

**Presenter:** LEONARD, Douglas (IBS)

**Session Classification:** Session 2

Contribution ID: 9

Type: **not specified**

## Neutrino Mass Overview

*Monday, October 17, 2022 1:20 PM (30 minutes)*

**Presenter:** GATI, Flavio (University of Genoa)

**Session Classification:** Session 3

Contribution ID: **10**

Type: **not specified**

# **Astroparticle Physics Experiments with Low-Temperature Detectors**

*Monday, October 17, 2022 1:50 PM (30 minutes)*

**Presenter:** KIM, Yong-Hamb (IBS)

**Session Classification:** Session 3

Contribution ID: 11

Type: **not specified**

# Probing Dark Sector Physics at Underground Facilities and Beyond

*Monday, October 17, 2022 2:20 PM (30 minutes)*

**Presenter:** KIM, Doojin (Texas A&M)

**Session Classification:** Session 3

Contribution ID: 12

Type: **not specified**

## COSINE

*Monday, October 17, 2022 3:10 PM (30 minutes)*

**Presenter:** LEE, Hyunsu (IBS)

**Session Classification:** Session 4

Contribution ID: 13

Type: **not specified**

## **Dark Matter with Noble Gas Detector**

*Monday, October 17, 2022 3:40 PM (30 minutes)*

**Presenter:** BAUDIS, Laura (University of Zurich)

**Session Classification:** Session 4

Contribution ID: 14

Type: **not specified**

## LZ New Results

*Monday, October 17, 2022 4:10 PM (30 minutes)*

**Presenter:** GAITSKELL, Richard (Brown University)

**Session Classification:** Session 4

Contribution ID: 15

Type: **not specified**

## Neutrino Oscillation Theory

*Tuesday, October 18, 2022 9:00 AM (30 minutes)*

**Presenter:** KANG, Sin Kyu (Seoul Tech)

**Session Classification:** Session 6

Contribution ID: **16**

Type: **not specified**

## **SK-Gd**

*Tuesday, October 18, 2022 9:30 AM (30 minutes)*

**Presenter:** SEKIYA, Hiroyuki (ICRR/IPMU, Tokyo University)

**Session Classification:** Session 6

Contribution ID: 17

Type: **not specified**

## JUNO & TAO

*Tuesday, October 18, 2022 10:00 AM (30 minutes)*

**Presenter:** CAO, Jun (IHEP)

**Session Classification:** Session 6

Contribution ID: **18**

Type: **not specified**

## **LSC Overview**

*Tuesday, October 18, 2022 11:30 AM (30 minutes)*

**Presenter:** SEO, Sunny (IBS)

**Session Classification:** Session 7

Contribution ID: **19**

Type: **not specified**

## **IsoDAR at Yemilab**

*Tuesday, October 18, 2022 12:00 PM (30 minutes)*

**Presenter:** CONRAD, Janet (MIT)

**Session Classification:** Session 7

Contribution ID: 20

Type: **not specified**

## **From TEXONO to CDEX and Beyond – Connecting the Dots**

*Tuesday, October 18, 2022 11:00 AM (30 minutes)*

**Presenter:** WONG, Henry (Academia Sinica)

**Session Classification:** Session 7

Contribution ID: 21

Type: **not specified**

## **Dark Sector Overview focusing on BELLE-II**

*Monday, October 17, 2022 5:00 PM (30 minutes)*

**Presenter:** KWON, Youngjoon (Yonsei)

**Session Classification:** Session 5

Contribution ID: 22

Type: **not specified**

## **Axion Search Overview**

*Monday, October 17, 2022 5:30 PM (30 minutes)*

**Presenter:** SEMERTZIDIS, Yannis (IBS, KAIST)

**Session Classification:** Session 5

Contribution ID: 24

Type: **not specified**

## Discussion

*Tuesday, October 18, 2022 12:30 PM (30 minutes)*

1. LSC: how to proceed from here?
2. Future of Yemilab Workshop

**Session Classification:** Session 7