

Saga-Yonsei Joint Workshop XIX

Report of Contributions

Contribution ID: 1

Type: **not specified**

Free discussions

Wednesday, 18 January 2023 18:30 (2 hours)

Contribution ID: 2

Type: **not specified**

Welcome Reception

Tuesday, 17 January 2023 18:00 (2 hours)

Contribution ID: 3

Type: **not specified**

Workshop Dinner

Thursday, 19 January 2023 18:00 (2 hours)

Contribution ID: 4

Type: **not specified**

Closing & night city excursions

Friday, 20 January 2023 18:00 (2 hours)

Contribution ID: 5

Type: **not specified**

Saga people returning

Saturday, 21 January 2023 10:00 (5 hours)

Contribution ID: 6

Type: **not specified**

Intro to Effective Field Theory

Tuesday, 17 January 2023 10:05 (1h 30m)

Presenter: Prof. LEE, Seung Joon (Korea University)

Session Classification: Lecture

Contribution ID: 7

Type: **not specified**

A Novel understanding of the Nucleon structure: Gravitational form factors and mechanical properties of the nucleon

Tuesday, 17 January 2023 14:00 (1h 30m)

Presenter: Prof. KIM, Hyun-Chul (Inha University)

Session Classification: Lecture

Contribution ID: 8

Type: **not specified**

Introduction to Belle (II) and recent physics highlights

Wednesday, 18 January 2023 10:00 (35 minutes)

Presenter: Prof. KWON, Youngjoon (Yonsei Univ.)

Session Classification: Lecture

Contribution ID: 9

Type: **not specified**

B \rightarrow rho gamma and other EWP from Belle & Belle II

Wednesday, 18 January 2023 10:35 (35 minutes)

Presenter: Dr WATANUKI, Shun (Yonsei University)

Session Classification: Lecture

Contribution ID: **10**

Type: **not specified**

Physics of quarkonia at Belle (II)

Wednesday, 18 January 2023 11:10 (35 minutes)

Presenter: Dr YIN, Junhao (Korea Univ.)

Session Classification: Lecture

Contribution ID: **11**

Type: **not specified**

Introduction to the ALICE experiment and its detector

Wednesday, 18 January 2023 14:00 (1h 30m)

Presenter: Prof. FUSAYASU, Takahiro (Saga University)

Session Classification: Lecture

Contribution ID: 12

Type: **not specified**

Future e+e- collider activities in Korea

Thursday, 19 January 2023 10:00 (50 minutes)

Presenter: YOO, Hwidong (Yonsei University)

Session Classification: Lecture

Contribution ID: 13

Type: **not specified**

Dual-Readout Calorimeter for future e+e- collider

Thursday, 19 January 2023 10:50 (40 minutes)

Presenter: Dr HA, Seungkyu (Yonsei University)

Session Classification: Lecture

Contribution ID: 14

Type: **not specified**

Dark Matter: WIMP and beyond

Thursday, 19 January 2023 14:00 (1h 30m)

Presenter: Prof. LEE, Hyun Min (Chung Ang University)

Session Classification: Lecture

Contribution ID: 15

Type: **not specified**

CDF W mass anomaly and the general 2HDM

Thursday, 19 January 2023 16:00 (40 minutes)

Presenter: Prof. JUNG , Dong Won (Yonsei University)

Session Classification: Lecture

Contribution ID: **16**

Type: **not specified**

Atmospheric axionlike particles at Super-Kamiokande

Presenter: Prof. TSENG, Po-Yen (National Tsinghua University)

Session Classification: Lecture

Contribution ID: 17

Type: **not specified**

Upscattering light component of dark matter by cosmic rays and neutrinos

Thursday, 19 January 2023 16:40 (40 minutes)

Presenter: Dr JHO, Yongsoo (Weizmann Institute of Science)

Session Classification: Lecture

Contribution ID: **18**

Type: **not specified**

Current status of inflation and multi-field scenarios

Friday, 20 January 2023 10:00 (1h 30m)

Presenter: Prof. TAKAHASHI, Tomo (Saga University)

Session Classification: Lecture

Contribution ID: **19**

Type: **not specified**

From nuclei to hot dense matter equation of state

Friday, 20 January 2023 14:00 (1 hour)

Presenter: Prof. LIM, Yeunhwan (Ewha Womans University)

Session Classification: Lecture

Contribution ID: 20

Type: **not specified**

Isospin-symmetry breaking correction to nuclear beta decay matrix elements for weak interaction studies

Friday, 20 January 2023 15:00 (30 minutes)

Presenter: Dr XAYAVONG, Latsamy (Ewha Womans University)

Session Classification: Lecture

Contribution ID: 21

Type: **not specified**

Atmospheric axionlike particles at Super-Kamiokande

Wednesday, 18 January 2023 15:30 (30 minutes)

Presenter: Prof. TSENG, Po-Yen (National Tsing Hua University)

Session Classification: Lecture

Contribution ID: 22

Type: **not specified**

Inclusive search for $B \rightarrow X_s \nu \nu$ at Belle II

Tuesday, 17 January 2023 16:00 (20 minutes)

Presenter: PARK, Junewoo (Yonsei University)

Session Classification: Student session

Contribution ID: 23

Type: **not specified**

Simulator for the interaction between γ -rays and scintillator

Tuesday, 17 January 2023 16:20 (20 minutes)

Presenter: ISHIZUKA, Kai (Saga University)

Session Classification: Student session

Contribution ID: 24

Type: **not specified**

Search for dark photon in $B \rightarrow K A' A'$ ($A' \rightarrow l^+ l^-$) at Belle

Tuesday, 17 January 2023 16:40 (20 minutes)

Presenter: KIM, Yongkyu (Yonsei Univ.)

Session Classification: Student session

Contribution ID: 25

Type: **not specified**

Cooling Structure of ILC-TPC Readout Electronics

Tuesday, 17 January 2023 17:00 (20 minutes)

Presenter: HIGUCHI, Keiichiro (Saga University)

Session Classification: Student session

Contribution ID: 26

Type: **not specified**

Search for axion-like particle in $B \rightarrow K a$ ($a \rightarrow \gamma \gamma$) at Belle

Tuesday, 17 January 2023 17:20 (20 minutes)

Presenter: CHO, Sungjin (Yonsei Univ.)

Session Classification: Student session

Contribution ID: 27

Type: **not specified**

performance evaluation of the readout circuit for the LHC –ALICE experiment

Tuesday, 17 January 2023 17:40 (20 minutes)

Presenter: KANEMITSU, Haruki (Saga University)

Session Classification: Student session

Contribution ID: 28

Type: **not specified**

Cosmological constraints from cosmic chronometer

Wednesday, 18 January 2023 16:30 (20 minutes)

Presenter: KAN, Makiko (Saga University)

Session Classification: Student session

Contribution ID: 29

Type: **not specified**

On the impact of the H_0 tension on the primordial tilt

Wednesday, 18 January 2023 17:10 (20 minutes)

Presenter: OKAMATSU, Fumiya (Saga University)

Session Classification: Student session

Contribution ID: 30

Type: **not specified**

Study of SCS radiative D0 decays, $D^0 \rightarrow V \gamma$, at Belle II

Wednesday, 18 January 2023 16:50 (20 minutes)

Presenter: KIM, Jaeyoung (Yonsei University)

Session Classification: Student session

Contribution ID: **31**

Type: **not specified**

Search for invisible D0 decays at Belle II

Wednesday, 18 January 2023 17:30 (20 minutes)

Presenter: KIM, Chanho (Yonsei University)

Session Classification: Student session

Contribution ID: 32

Type: **not specified**

Big Bang nucleosynthesis and early dark energy in light of the EMPRESS Yp results and the Hubble tension

Wednesday, 18 January 2023 17:50 (20 minutes)

Presenter: YAMASHITA, Sora (Saga University)

Session Classification: Student session

Contribution ID: 33

Type: **not specified**

Cosmic history and the Gravitational Waves

Friday, 20 January 2023 16:00 (20 minutes)

Presenter: RYU, Minseok (Yonsei University)

Session Classification: Student session

Contribution ID: 34

Type: **not specified**

Constraint on Warm dark matter with Lensing power spectrum

Friday, 20 January 2023 16:20 (20 minutes)

Presenter: SHINOHARA, Takumi (Saga University)

Session Classification: Student session

Contribution ID: 35

Type: **not specified**

Enhancement of the GW spectrum in early dark energy-like scenario

Friday, 20 January 2023 16:40 (20 minutes)

Presenter: TATSUKI, Kodama (Saga University)

Session Classification: Student session

Contribution ID: 36

Type: **not specified**

Primordial tensor power spectrum and its scale dependence

Friday, 20 January 2023 17:00 (20 minutes)

Presenter: OTSU, Yuta (Saga University)

Session Classification: Student session

Contribution ID: 37

Type: **not specified**

Module assembly of the dual-readout calorimeter for future e+e- colliders

Friday, 20 January 2023 17:20 (20 minutes)

Presenter: CHO, Guk (Yonsei university)

Session Classification: Student session

Contribution ID: 38

Type: **not specified**

A study on energy resolution of the dual-readout calorimeter for future e⁺e⁻ colliders using GEANT4 simulation and the first test-beam data

Friday, 20 January 2023 17:40 (20 minutes)

Presenter: HWANG, Kyuyeong

Session Classification: Student session

Contribution ID: 39

Type: **not specified**

Welcome & Intro

Tuesday, 17 January 2023 10:00 (5 minutes)

Presenter: KWON, Youngjoon (Yonsei Univ.)

Session Classification: Lecture