

**2020 Meeting of the Division
of Particles and Fields of the
Korean Physical Society**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Black Hole and Quantum Gravity

Thursday 3 December 2020 09:00 (40 minutes)

Primary author: Prof. KIM , Seok (Seoul National University)

Presenter: Prof. KIM , Seok (Seoul National University)

Session Classification: Theory Frontier - Fields & Strings

Contribution ID: 2

Type: **not specified**

On the Space of Quantum Field Theories

Thursday 3 December 2020 09:40 (40 minutes)

Primary author: Prof. SONG, Jaewon (KAIST)

Presenter: Prof. SONG, Jaewon (KAIST)

Session Classification: Theory Frontier - Fields & Strings

Contribution ID: 3

Type: **not specified**

Why are theorists so interested in black holes? : Information paradox

Thursday 3 December 2020 10:20 (40 minutes)

Primary author: Dr YI, Sang Heon (Sogang University)

Presenter: Dr YI, Sang Heon (Sogang University)

Session Classification: Theory Frontier - Fields & Strings

Contribution ID: 4

Type: **not specified**

Theory Overview

Thursday 3 December 2020 11:10 (35 minutes)

Primary author: Prof. LEE, Seung Joon (Korea University)

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

Session Classification: Energy Frontier & Theory Frontier - Phenomenology

Contribution ID: 5

Type: **not specified**

Computing in HEP

Thursday 3 December 2020 11:45 (25 minutes)

Primary author: WATSON, Ian James (University of Seoul)

Presenter: WATSON, Ian James (University of Seoul)

Session Classification: Energy Frontier & Theory Frontier - Phenomenology

Contribution ID: 6

Type: **not specified**

CMS

Thursday 3 December 2020 13:00 (35 minutes)

Primary author: KIM, Tae Jeong (Hanyang University (KR))

Presenter: KIM, Tae Jeong (Hanyang University (KR))

Session Classification: Energy Frontier & Theory Frontier - Phenomenology

Contribution ID: 7

Type: **not specified**

Future Colliders

Thursday 3 December 2020 13:35 (25 minutes)

Primary author: YOO, Hwi Dong (Yonsei University (KR))

Presenter: YOO, Hwi Dong (Yonsei University (KR))

Session Classification: Energy Frontier & Theory Frontier - Phenomenology

Contribution ID: 8

Type: **not specified**

Theory Overview

Thursday 3 December 2020 14:10 (30 minutes)

Primary authors: Prof. KO, Pyungwon (KIAS); KO, pyungwon (Korea Inst. for Advanced Study (KIAS))

Presenters: Prof. KO, Pyungwon (KIAS); KO, pyungwon (Korea Inst. for Advanced Study (KIAS))

Session Classification: Dark Frontier & Theory Frontier - Phenomenology

Contribution ID: 9

Type: **not specified**

COSINE

Thursday 3 December 2020 14:40 (25 minutes)

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

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

Session Classification: Dark Frontier & Theory Frontier - Phenomenology

Contribution ID: **10**

Type: **not specified**

CULTASK

Thursday 3 December 2020 15:05 (25 minutes)

Primary author: Dr CHUNG, Woohyun (IBS)

Presenter: Dr CHUNG, Woohyun (IBS)

Session Classification: Dark Frontier & Theory Frontier - Phenomenology

Contribution ID: **11**

Type: **not specified**

SHiP

Thursday 3 December 2020 15:40 (20 minutes)

Primary authors: LEE, Kang Young (GNU, Korea); Prof. LEE, Kang Young (Gyeongsang National University (KR))

Presenters: LEE, Kang Young (GNU, Korea); Prof. LEE, Kang Young (Gyeongsang National University (KR))

Session Classification: Dark Frontier & Theory Frontier - Phenomenology

Contribution ID: 12

Type: **not specified**

NEWSdm

Thursday 3 December 2020 16:00 (20 minutes)

Primary authors: YOON, Chun Sil (Gyeongsang National University (KR)); YOON, Chun Sil (Gyeongsang National University)

Presenters: YOON, Chun Sil (Gyeongsang National University (KR)); YOON, Chun Sil (Gyeongsang National University)

Session Classification: Dark Frontier & Theory Frontier - Phenomenology

Contribution ID: 13

Type: **not specified**

GBAR

Thursday 3 December 2020 16:20 (20 minutes)

Primary authors: KIM, Bongho (Seoul National University (KR)); KIM, bongho (SNU)

Presenters: KIM, Bongho (Seoul National University (KR)); KIM, bongho (SNU)

Session Classification: Dark Frontier & Theory Frontier - Phenomenology

Contribution ID: 14

Type: **not specified**

KAPAE

Thursday 3 December 2020 16:40 (20 minutes)

Primary author: KIM, HongJoo (Kyungpook National University)

Presenter: KIM, HongJoo (Kyungpook National University)

Session Classification: Dark Frontier & Theory Frontier - Phenomenology

Contribution ID: 15

Type: **not specified**

Theory Overview

Friday 4 December 2020 09:00 (30 minutes)

Primary authors: KIM, Choong Sun (Yonsei University); Prof. KIM, Choong Sun (Dongshin University)

Presenters: KIM, Choong Sun (Yonsei University); Prof. KIM, Choong Sun (Dongshin University)

Session Classification: Flavor Frontier & Theory Frontier - Phenomenology

Contribution ID: 16

Type: **not specified**

Belle II

Friday 4 December 2020 09:30 (30 minutes)

Primary author: Prof. CHEON , Byung Gu (Hanyang University)

Presenter: Prof. CHEON , Byung Gu (Hanyang University)

Session Classification: Flavor Frontier & Theory Frontier - Phenomenology

Contribution ID: 17

Type: **not specified**

KOTO

Friday 4 December 2020 10:00 (20 minutes)

Primary authors: AHN, Jung Keun (Korea University); Prof. AHN, Jung Keun (Korea University)

Presenters: AHN, Jung Keun (Korea University); Prof. AHN, Jung Keun (Korea University)

Session Classification: Flavor Frontier & Theory Frontier - Phenomenology

Contribution ID: **18**

Type: **not specified**

Muon CLFV/g-2/EDM

Friday 4 December 2020 10:20 (20 minutes)

Primary author: Dr LEE, MyeongJae (Institute for Basic Science (Korea))

Presenter: Dr LEE, MyeongJae (Institute for Basic Science (Korea))

Session Classification: Flavor Frontier & Theory Frontier - Phenomenology

Contribution ID: **19**

Type: **not specified**

BES III

Friday 4 December 2020 10:40 (20 minutes)

Primary authors: Prof. CHOI, Soo Kyung (Gyeongsang National University); CHOI, Sookyung (Gyeongsang N University)

Presenters: Prof. CHOI, Soo Kyung (Gyeongsang National University); CHOI, Sookyung (Gyeongsang N University)

Session Classification: Flavor Frontier & Theory Frontier - Phenomenology

Contribution ID: 20

Type: **not specified**

Search for Elementary Magnetic Monopoles in Electron-Positron Annihilation

Friday 4 December 2020 11:10 (20 minutes)

Primary author: LEE, Seh Wook (Kyungpook National University (KR))

Presenter: LEE, Seh Wook (Kyungpook National University (KR))

Session Classification: Special Session

Contribution ID: 21

Type: **not specified**

Search for Millicharged Particles at J-PARC

Friday 4 December 2020 11:30 (20 minutes)

Primary author: YOO, Jae Hyeok (Korea University (KR))

Presenter: YOO, Jae Hyeok (Korea University (KR))

Session Classification: Special Session

Contribution ID: 22

Type: **not specified**

Dark Photon Search at Yemilab

Friday 4 December 2020 11:50 (20 minutes)

Primary authors: SEO, Sunny; Dr SEO, Sunny (IBS)

Presenters: SEO, Sunny; Dr SEO, Sunny (IBS)

Session Classification: Special Session

Contribution ID: 23

Type: **not specified**

Detection of Superlight Dark Matter using Graphene Josephson Junction

Friday 4 December 2020 13:00 (20 minutes)

Primary authors: PARK, Jong-Chul; Prof. PARK, Jong-Chul (Chungnam National University)

Presenters: PARK, Jong-Chul; Prof. PARK, Jong-Chul (Chungnam National University)

Session Classification: Special Session

Contribution ID: 24

Type: **not specified**

Theory Overview

Friday 4 December 2020 13:40 (30 minutes)

Presenter: Dr AHN , Yang Hwan (Chung-Ang University)

Session Classification: Neutrino Frontier & Theory Frontier - Phenomenology

Contribution ID: 25

Type: **not specified**

AMoRE

Friday 4 December 2020 14:10 (30 minutes)

Primary author: Prof. KIM, Yeongduk (IBS)

Presenter: Prof. KIM, Yeongduk (IBS)

Session Classification: Neutrino Frontier & Theory Frontier - Phenomenology

Contribution ID: 26

Type: **not specified**

JSNS2

Friday 4 December 2020 14:40 (20 minutes)

Primary authors: Prof. PAC, Myoung Youl (Dongshin University (KR)); Prof. PAC, Myoung Youl (Dongshin University)

Presenters: Prof. PAC, Myoung Youl (Dongshin University (KR)); Prof. PAC, Myoung Youl (Dongshin University)

Session Classification: Neutrino Frontier & Theory Frontier - Phenomenology

Contribution ID: 27

Type: **not specified**

NEOS II

Friday 4 December 2020 15:00 (20 minutes)

Primary author: Dr OH , Yoo Min (IBS)

Presenter: Dr OH , Yoo Min (IBS)

Session Classification: Neutrino Frontier & Theory Frontier - Phenomenology

Contribution ID: 28

Type: **not specified**

IceCube

Friday 4 December 2020 15:50 (20 minutes)

Primary authors: ROTT, Carsten (Sungkyunkwan University); Prof. ROTT, Carsten (Sungkyunkwan University)

Presenters: ROTT, Carsten (Sungkyunkwan University); Prof. ROTT, Carsten (Sungkyunkwan University)

Session Classification: Neutrino Frontier & Theory Frontier - Phenomenology

Contribution ID: 29

Type: **not specified**

KNO

Friday 4 December 2020 16:10 (20 minutes)

Primary authors: YU, Intae (Sungkyunkwan University (KR)); Prof. YU, Intae (Sungkyunkwan University)

Presenters: YU, Intae (Sungkyunkwan University (KR)); Prof. YU, Intae (Sungkyunkwan University)

Session Classification: Neutrino Frontier & Theory Frontier - Phenomenology

Contribution ID: 30

Type: **not specified**

Hyper-Kamiokande

Friday 4 December 2020 16:30 (20 minutes)

Primary authors: JOO, Kyung Kwang (Department of Physics-Chonnam National University-Unknown); Prof. JOO, Kyung Kwang (Chonnam National University)

Presenters: JOO, Kyung Kwang (Department of Physics-Chonnam National University-Unknown); Prof. JOO, Kyung Kwang (Chonnam National University)

Session Classification: Neutrino Frontier & Theory Frontier - Phenomenology

Contribution ID: **31**

Type: **not specified**

DUNE

Friday 4 December 2020 16:50 (20 minutes)

Primary author: Prof. KIM, Siyeon (Joong-Ang University)

Presenter: Prof. KIM, Siyeon (Joong-Ang University)

Session Classification: Neutrino Frontier & Theory Frontier - Phenomenology

Contribution ID: **32**

Type: **not specified**

NEON

Friday 4 December 2020 17:10 (20 minutes)

Primary author: Prof. HA, Chang Hyon (Joong-Ang University)

Presenter: Prof. HA, Chang Hyon (Joong-Ang University)

Session Classification: Neutrino Frontier & Theory Frontier - Phenomenology

Contribution ID: **33**

Type: **not specified**

New Project

Presenter: TBA

Session Classification: Special Session

Contribution ID: **34**

Type: **not specified**

RENO

Friday 4 December 2020 15:30 (20 minutes)

Primary author: Mr YOON, Seok Gyeong (KAIST)

Presenter: Mr YOON, Seok Gyeong (KAIST)

Session Classification: Neutrino Frontier & Theory Frontier - Phenomenology

Contribution ID: 35

Type: **not specified**

The MoEDAL dedicated LHC experiment, MAPP and other future projects

Friday 4 December 2020 13:20 (20 minutes)

Primary authors: Prof. MITSOU, Vasiliki; Dr MITSOU, Vasiliki (Univ. of Valencia and CSIC (ES))

Presenters: Prof. MITSOU, Vasiliki; Dr MITSOU, Vasiliki (Univ. of Valencia and CSIC (ES))

Session Classification: Special Session