

**Joint Symposium on Nuclear,  
Particle & Field, and Astro  
Physics (SYNPA2017) and  
Heavy-Ion Meeting (HIM)**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcoming address

*Friday, 17 November 2017 09:00 (10 minutes)*

**Presenter:** LEE, Kang Seog (Chonnam National University)

Contribution ID: 2

Type: **not specified**

## Welcome message

**Presenter:** HONG, Byungsik (Korea University (KR))

Contribution ID: 3

Type: **not specified**

## Closing Remark

*Saturday, 18 November 2017 17:10 (40 minutes)*

**Presenter:** KIM, Sun Kee (Seoul National University)

Contribution ID: 4

Type: **not specified**

## Session 1

Contribution ID: 5

Type: **not specified**

## **Contribution 1-1**

**Presenter:** LEE, Hyung Mok (Seoul National University)

**Session Classification:** Gravitational wave

Contribution ID: 6

Type: **not specified**

## **Contribution 1-2**

**Presenter:** WON, Eunil (Korea University)

**Session Classification:** Gravitational wave

Contribution ID: 7

Type: **not specified**

## **session 3**

**Session Classification:** Gravitational wave

Contribution ID: 8

Type: **not specified**

## **Session 2-1**

**Presenter:** LEE, Jungil (Korea University)

Contribution ID: 9

Type: **not specified**

## **Session 2-2**

**Presenter:** LEE, Su Houng (Yonsei University)

Contribution ID: **10**

Type: **not specified**

## **Gravitational waves with LIGO/Virgo detectors and future detectors in mid-frequencies**

*Friday, 17 November 2017 09:10 (40 minutes)*

**Presenter:** LEE, Hyung Mok (Seoul National University)

**Session Classification:** Gravitational wave

Contribution ID: 11

Type: **not specified**

## **Inflation cosmology and detection of the primordial gravitational wave (in English)**

*Friday, 17 November 2017 09:50 (40 minutes)*

**Presenter:** WON, Eunil (Korea University)

**Session Classification:** Gravitational wave

Contribution ID: 12

Type: **not specified**

## **QCD phenomenology using effective field theory**

*Friday, 17 November 2017 10:50 (40 minutes)*

**Presenter:** LEE, Jungil (Korea University)

**Session Classification:** QCD

Contribution ID: 13

Type: **not specified**

## Exotics and Heavy Ion Collision

*Friday, 17 November 2017 11:30 (40 minutes)*

**Presenter:** LEE, Su Houng (Yonsei University)

**Session Classification:** QCD

Contribution ID: 14

Type: **not specified**

## **Issues in hadron spectroscopy: Puzzling near-threshold anomalies**

*Friday, 17 November 2017 13:30 (40 minutes)*

**Presenter:** LARS OLSEN, Stephen

**Session Classification:** Exotic hadrons

Contribution ID: 15

Type: **not specified**

## **Omega\_c as possible exotic heavy baryons**

*Friday, 17 November 2017 14:10 (40 minutes)*

**Presenter:** KIM, Hyun-Chul (Inha University)

**Session Classification:** Exotic hadrons

Contribution ID: 16

Type: **not specified**

## **Skyrmion and exotic baryons**

*Friday, 17 November 2017 14:50 (40 minutes)*

**Presenter:** LEE, Hyunkyu (Hanyang University)

**Session Classification:** Exotic hadrons

Contribution ID: 17

Type: **not specified**

## **Rare isotope Science Project in Korea**

*Friday, 17 November 2017 16:00 (40 minutes)*

**Presenter:** JEONG, Sunchan (Institute of Basic Science)

**Session Classification:** Rare isotope physics

Contribution ID: **18**

Type: **not specified**

## **Prospect for nuclear astrophysics using radioactive ion beams**

*Friday, 17 November 2017 16:40 (40 minutes)*

**Presenter:** HAHN, Kevin Insik (Ewha Woman University)

**Session Classification:** Rare isotope physics

Contribution ID: 19

Type: **not specified**

## Deep Learning and Gravitational-Waves

*Saturday, 18 November 2017 09:00 (40 minutes)*

**Presenter:** SON, Edwin J. (NIMS)

**Session Classification:** Deep learning and physics

Contribution ID: 20

Type: **not specified**

## **Deep Learning in HEP (in English)**

*Saturday, 18 November 2017 09:40 (40 minutes)*

**Presenter:** THAIS, Savannah Jennifer (Yale University (US))

**Session Classification:** Deep learning and physics

Contribution ID: 21

Type: **not specified**

## **Tidal Deformability of Neutron Stars and Gravitational Waves**

*Saturday, 18 November 2017 10:50 (40 minutes)*

**Presenter:** LEE, Chang-Hwan (P)

**Session Classification:** Neutron star and compact objects

Contribution ID: 22

Type: **not specified**

## **Nuclear EOS: All that matters**

*Saturday, 18 November 2017 11:30 (40 minutes)*

**Presenter:** KIM, Youngman (RISP/IBS)

**Session Classification:** Neutron star and compact objects

Contribution ID: 23

Type: **not specified**

## Particles from Universe

*Saturday, 18 November 2017 14:00 (40 minutes)*

**Presenter:** CHOI, Ki Young (Sungkyunkwan University)

**Session Classification:** Astrophysical particles

Contribution ID: 24

Type: **not specified**

## Observation of cosmic rays

*Saturday, 18 November 2017 14:40 (40 minutes)*

**Presenter:** PARK, Il Hung (Sungkyunkwan University)

**Session Classification:** Astrophysical particles

Contribution ID: 25

Type: **not specified**

## **Exotic particles and nuclei and their implication in the BBN and stella evolution**

**Presenter:** CHEON, Myung Ki (Soongsil University)

**Session Classification:** Astrophysical particles

Contribution ID: 26

Type: **not specified**

## **Dark pion DM, dark Higgs and Higgs inflation**

*Saturday, 18 November 2017 15:50 (40 minutes)*

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

**Session Classification:** Dark matter. dark energy and inflation

Contribution ID: 27

Type: **not specified**

## **Ultralight scalar dark matter and challenges for Lambda CDM model**

*Saturday, 18 November 2017 16:30 (40 minutes)*

**Presenter:** LEE, Jae-Weon (Jungwon University)

**Session Classification:** Dark matter. dark energy and inflation

Contribution ID: 28

Type: **not specified**

## **Exotic particles and nuclei and their implication in the BBN and stella evolution**

*Friday, 17 November 2017 17:20 (40 minutes)*

**Presenter:** Prof. CHEON, Myung Ki (Soongsil University)

**Session Classification:** Rare isotope physics