

The 16th CNS International Summer School (CNSSS17)

Report of Contributions

Contribution ID: 0

Type: **not specified**

Prof. Umesh Garg 1

Wednesday, 23 August 2017 10:00 (50 minutes)

Contribution ID: 1

Type: **not specified**

Prof. Munetake Ichimura 1

Wednesday, 23 August 2017 11:05 (50 minutes)

Contribution ID: 2

Type: **not specified**

Prof. Tomotsugu Wakasa

Wednesday, 23 August 2017 13:30 (50 minutes)

Contribution ID: 3

Type: **not specified**

Prof. Robert Roth 1

Wednesday, 23 August 2017 14:35 (50 minutes)

Contribution ID: 4

Type: **not specified**

Young Scientists Session 1

Contribution ID: 5

Type: **not specified**

Prof. Munetake Ichimura 2

Thursday, 24 August 2017 10:00 (50 minutes)

Contribution ID: 6

Type: **not specified**

Prof. Umesh Garg 2

Thursday, 24 August 2017 11:05 (50 minutes)

Contribution ID: 7

Type: **not specified**

Prof. Robert Roth 2

Thursday, 24 August 2017 13:30 (50 minutes)

Contribution ID: 8

Type: **not specified**

Prof. Tomotsugu Wakasa 2

Thursday, 24 August 2017 14:35 (50 minutes)

Contribution ID: 9

Type: **not specified**

break

Contribution ID: **10**

Type: **not specified**

Young Scientists Session 2

Contribution ID: **11**

Type: **not specified**

Prof. Das 1

Friday, 25 August 2017 10:00 (50 minutes)

Contribution ID: 12

Type: **not specified**

Prof. Robert Roth 3

Friday, 25 August 2017 11:05 (50 minutes)

Contribution ID: 13

Type: **not specified**

Prof. Umesh Garg 3

Friday, 25 August 2017 13:30 (50 minutes)

Contribution ID: 14

Type: **not specified**

Dr. Aiko Takamine

Friday, 25 August 2017 14:35 (50 minutes)

Contribution ID: 15

Type: **not specified**

RIBF Tour

Friday, 25 August 2017 15:25 (2 hours)

Contribution ID: **16**

Type: **not specified**

Prof. Munetake Ichimura 3

Saturday, 26 August 2017 10:00 (50 minutes)

Contribution ID: 17

Type: **not specified**

Prof. Tomotsugu Wakasa 3

Saturday, 26 August 2017 11:05 (50 minutes)

Contribution ID: **18**

Type: **not specified**

Prof. Das 2

Saturday, 26 August 2017 13:30 (50 minutes)

Contribution ID: **19**

Type: **not specified**

Dr. Naofumi Tsunoda 1

Saturday, 26 August 2017 14:35 (50 minutes)

Contribution ID: **20**

Type: **not specified**

Poster Session

Contribution ID: 21

Type: **not specified**

Prof. Das 3

Monday, 28 August 2017 10:00 (50 minutes)

Contribution ID: 22

Type: **not specified**

Dr. Naofumi Tsunoda 2

Monday, 28 August 2017 11:05 (50 minutes)

Contribution ID: 23

Type: **not specified**

Prof. Munetake Ichimura 4

Monday, 28 August 2017 13:30 (50 minutes)

Contribution ID: 24

Type: **not specified**

Prof. Robert Roth 4

Monday, 28 August 2017 14:35 (50 minutes)

Contribution ID: 25

Type: **not specified**

Young Student Session 3

Contribution ID: 26

Type: **not specified**

Dr. Naofumi Tsunoda 3

Tuesday, 29 August 2017 10:00 (50 minutes)

Contribution ID: 27

Type: **not specified**

Prof. Das 4

Tuesday, 29 August 2017 11:05 (50 minutes)

Contribution ID: **28**

Type: **not specified**

CNSSS YS Awards Ceremony

Tuesday, 29 August 2017 11:55 (20 minutes)

Contribution ID: 29

Type: **not specified**

Closing of CNSSS17

Tuesday, 29 August 2017 12:15 (10 minutes)

Contribution ID: **30**

Type: **not specified**

Opening of CNSSS17

Wednesday, 23 August 2017 09:50 (10 minutes)

Contribution ID: 31

Type: **not specified**

The search for the electric dipole moment of the electron (eEDM) using HgX and CnF

Primary author: Mr VENKATARAMANAN, Srinivasa Prasanna (Indian Institute of Astrophysics)

Contribution ID: 32

Type: **not specified**

Precision Test of Bound-State QED via the Spectroscopy of Muonium Hyperfine Structure

Primary author: UENO, Yasuhiro (University of Tokyo)

Contribution ID: 33

Type: **not specified**

The search for the electric dipole moment of the electron (eEDM) using HgX and CnF

Wednesday, 23 August 2017 15:40 (15 minutes)

Primary author: Mr VENKATARAMANAN, Srinivasa Prasanna

Presenter: Mr VENKATARAMANAN, Srinivasa Prasanna

Session Classification: Young Scientists Session 1

Contribution ID: 34

Type: **not specified**

Precision Test of Bound-State QED via the Spectroscopy of Muonium Hyperfine Structure

Wednesday, 23 August 2017 15:55 (15 minutes)

Primary author: UENO, Yasuhiro

Presenter: UENO, Yasuhiro

Session Classification: Young Scientists Session 1

Contribution ID: 35

Type: **not specified**

Investigation of giant dipole resonances in heavy deformed nuclei with an extended quantum molecular dynamics model

Wednesday, 23 August 2017 16:25 (15 minutes)

Primary author: Ms WANG, Shanshan

Presenter: Ms WANG, Shanshan

Session Classification: Young Scientists Session 1

Contribution ID: 36

Type: **not specified**

Nonlocal nucleon optical potential: The folding model and R-matrix method

Wednesday, 23 August 2017 16:10 (15 minutes)

Primary author: LOAN, Doan Thi

Presenter: LOAN, Doan Thi

Session Classification: Young Scientists Session 1

Contribution ID: 37

Type: **not specified**

Estimation of Fuel Rate on the Galactic Disk from High Velocity Cloud (HVC) Infall

Wednesday, 23 August 2017 16:50 (15 minutes)

Primary author: SUNG, Kwang Hyun

Presenter: SUNG, Kwang Hyun

Session Classification: Young Scientists Session 1

Contribution ID: 38

Type: **not specified**

The production of ^{98}Tc through the neutrino process in supernova explosion

Wednesday, 23 August 2017 17:05 (15 minutes)

Primary author: KO, Heamin

Presenter: KO, Heamin

Session Classification: Young Scientists Session 1

Contribution ID: 39

Type: **not specified**

Theoretical approach for large amplitude pairing dynamics

Wednesday, 23 August 2017 17:20 (15 minutes)

Primary author: Dr NI, Fang

Presenter: Dr NI, Fang

Session Classification: Young Scientists Session 1

Contribution ID: 40

Type: **not specified**

Unitary-model-operator-approach calculations with the chiral NN+3N forces

Wednesday, 23 August 2017 17:35 (15 minutes)

Primary author: MIYAGI, Takayuki

Presenter: MIYAGI, Takayuki

Session Classification: Young Scientists Session 1

Contribution ID: 41

Type: **not specified**

Looking below the threshold: low energy spectrum of the coulex experiment S412@GSI

Thursday, 24 August 2017 15:40 (15 minutes)

Primary author: Mr ZANETTI, Lorenzo

Presenter: Mr ZANETTI, Lorenzo

Session Classification: Young Scientists Session 2

Contribution ID: 42

Type: **not specified**

Development of a New Neutron Detector for the Study of Neutron Unbound State

Thursday, 24 August 2017 15:55 (15 minutes)

Primary author: Mr SUZUKI, Sohei

Presenter: Mr SUZUKI, Sohei

Session Classification: Young Scientists Session 2

Contribution ID: 43

Type: **not specified**

Preliminary results of PIXE analysis of mosses for air pollution monitoring in Hanoi using pelletron accelerator.

Thursday, 24 August 2017 16:10 (15 minutes)

Primary author: Ms BUI, Hoa

Presenter: Ms BUI, Hoa

Session Classification: Young Scientists Session 2

Contribution ID: 44

Type: **not specified**

Precision measurement of the $^{15}\text{N}(\text{d}, \text{p})$ angular distribution and spectroscopic factors of low-lying ^{16}N levels

Thursday, 24 August 2017 16:25 (15 minutes)

Primary author: Ms LI, Xinyue

Presenter: Ms LI, Xinyue

Session Classification: Young Scientists Session 2

Contribution ID: 45

Type: **not specified**

η -photoproduction and N^* resonances

Thursday, 24 August 2017 16:40 (15 minutes)

Primary author: SUH, Jungmin

Presenter: SUH, Jungmin

Session Classification: Young Scientists Session 2

Contribution ID: 46

Type: **not specified**

Effects of Coulomb Quadrupole Excitation(CQE) in Heavy Ion Reactions

Thursday, 24 August 2017 17:15 (15 minutes)

Primary author: Mr HEO, Kyoungsu

Presenter: Mr HEO, Kyoungsu

Session Classification: Young Scientists Session 2

Contribution ID: 47

Type: **not specified**

The data acquisition system of a double-plane PET

Thursday, 24 August 2017 17:30 (15 minutes)

Primary author: Mr ZHOU, Wei

Presenter: Mr ZHOU, Wei

Session Classification: Young Scientists Session 2

Contribution ID: 48

Type: **not specified**

Fast generation method of PSF-based system matrix for PET Reconstruction

Thursday, 24 August 2017 17:45 (15 minutes)

Primary author: Dr SUN, Xiaoli

Presenter: Dr SUN, Xiaoli

Session Classification: Young Scientists Session 2

Contribution ID: 49

Type: **not specified**

Beam production of Isomeric ^{26}Al with CRIB

Thursday, 24 August 2017 18:00 (15 minutes)

Primary author: Mr SHIMIZU, Hideki

Presenter: Mr SHIMIZU, Hideki

Session Classification: Young Scientists Session 2

Contribution ID: 50

Type: **not specified**

Tensor effects on the isospin excitation with random phase approximation based on relativistic Hartree-Fock approach

Monday, 28 August 2017 15:40 (15 minutes)

Primary author: Mr WANG, Zhiheng

Presenter: Mr WANG, Zhiheng

Session Classification: Young Scientists Session 3

Contribution ID: 51

Type: **not specified**

Study of the nuclear structure in the neutron-rich isotope ^{141}Xe

Monday, 28 August 2017 15:55 (15 minutes)

Primary author: Mr UMEHARA, Hajime

Presenter: Mr UMEHARA, Hajime

Session Classification: Young Scientists Session 3

Contribution ID: 52

Type: **not specified**

Study of beta-decay half-lives and isomers in neutron-rich nuclei with $A \sim 140$

Monday, 28 August 2017 16:10 (15 minutes)

Primary author: Mr HAROON, Muhammad

Presenter: Mr HAROON, Muhammad

Session Classification: Young Scientists Session 3

Contribution ID: 53

Type: **not specified**

Fusion of $^{32}\text{S}+^{144,154}\text{Sm}$ at Energies near the Coulomb Barrier

Monday, 28 August 2017 16:25 (15 minutes)

Primary author: DONGXI, Wang

Presenter: DONGXI, Wang

Session Classification: Young Scientists Session 3

Contribution ID: 54

Type: **not specified**

Theoretical study of heavy-ion charge exchange at high and intermediate energy

Monday, 28 August 2017 16:40 (15 minutes)

Primary author: Ms LI, Jingjing

Presenter: Ms LI, Jingjing

Session Classification: Young Scientists Session 3

Contribution ID: 55

Type: **not specified**

Alpha spectroscopy of ^{223}Np and ^{224}Np

Monday, 28 August 2017 17:15 (15 minutes)

Primary author: Mr SUN, Mingdao

Presenter: Mr SUN, Mingdao

Session Classification: Young Scientists Session 3

Contribution ID: 56

Type: **not specified**

Nuclear bubble at zero and finite temperatures

Monday, 28 August 2017 17:30 (15 minutes)

Primary author: Mr LE, Phuc

Presenter: Mr LE, Phuc

Session Classification: Young Scientists Session 3

Contribution ID: 57

Type: **not specified**

Isomer beam production by fragmentation reactions

Monday, 28 August 2017 17:45 (15 minutes)

Primary author: Mr KAWATA, Keita

Presenter: Mr KAWATA, Keita

Session Classification: Young Scientists Session 3

Contribution ID: 58

Type: **not specified**

The use of Hk-EOS technique to study the nuclear continuum

Monday, 28 August 2017 18:00 (15 minutes)

Primary author: Mr RODRIGUEZ, Wilmar

Presenter: Mr RODRIGUEZ, Wilmar

Session Classification: Young Scientists Session 3

Contribution ID: 59

Type: **not specified**

Measurement of gamma decay from the isovector giant dipole resonance and nuclear fine structure

Saturday, 26 August 2017 15:40 (15 minutes)

Primary author: Mr NAKAMURA, Shoken (Research Center for Nuclear Physics)

Presenter: Mr NAKAMURA, Shoken (Research Center for Nuclear Physics)

Session Classification: Poster Session

Contribution ID: **60**

Type: **not specified**

High-precision mass measurements of short-lived nuclei with MRTOF+GARIS-II

Saturday, 26 August 2017 15:55 (15 minutes)

Primary author: Mr NIWASE, Toshitaka

Presenter: Mr NIWASE, Toshitaka

Session Classification: Poster Session

Contribution ID: 61

Type: **not specified**

Efficiency of EURICA for low-energy γ -ray by using GEANT4

Saturday, 26 August 2017 16:10 (15 minutes)

Primary author: Mr IIMURA, shun (department physics, Osaka university)

Presenter: Mr IIMURA, shun (department physics, Osaka university)

Session Classification: Poster Session

Contribution ID: 62

Type: **not specified**

Probing neutron - rich isotope ^{82}Ga via beta decay spectroscopy analysis

Saturday, 26 August 2017 16:25 (15 minutes)

Co-author: Mr THANH TUNG, Pham (RCNP, Osaka University)

Presenter: Mr THANH TUNG, Pham (RCNP, Osaka University)

Session Classification: Poster Session

Contribution ID: 63

Type: **not specified**

The Study on "Island of Inversion" of the Nuclei around N~20

Saturday, 26 August 2017 16:40 (15 minutes)

Primary author: Ms LUO, DIWEN (State Key Laboratory of Nuclear Physics and Technology, School of Physics, Peking University, Beijing, China)

Presenter: Ms LUO, DIWEN (State Key Laboratory of Nuclear Physics and Technology, School of Physics, Peking University, Beijing, China)

Session Classification: Poster Session

Contribution ID: 64

Type: **not specified**

The Measurement of CR39 track detectors in Laser-induced DD fusion

Saturday, 26 August 2017 16:55 (15 minutes)

Primary author: Mr ZHANG, Yue (Shanghai Institute of Applied Physics, Chinese Academy of Sciences, China)

Presenter: Mr ZHANG, Yue (Shanghai Institute of Applied Physics, Chinese Academy of Sciences, China)

Session Classification: Poster Session

Contribution ID: 65

Type: **not specified**

Direct Mass Measurements of Short-Lived $A=2Z+3$ Nuclides

Saturday, 26 August 2017 17:10 (15 minutes)

Primary author: Mr JUNHAO, Liu (institute of modern physics☒Chinese Academy of Sciences)

Presenter: Mr JUNHAO, Liu (institute of modern physics☒Chinese Academy of Sciences)

Session Classification: Poster Session

Contribution ID: 66

Type: **not specified**

Developing a relativistic kinematics code for transfer reaction measurements

Saturday, 26 August 2017 17:25 (15 minutes)

Primary author: Mr KIM, Duhyun

Presenter: Mr KIM, Duhyun

Session Classification: Poster Session

Contribution ID: 67

Type: **not specified**

Study of tritium target for two-neutron transfer reactions

Saturday, 26 August 2017 17:40 (15 minutes)

Primary author: Mr KITAMURA, Noritaka (Center for Nuclear Study, the University of Tokyo)

Presenter: Mr KITAMURA, Noritaka (Center for Nuclear Study, the University of Tokyo)

Session Classification: Poster Session

Contribution ID: 68

Type: **not specified**

The abnormal threshold anomaly in the $6\text{He} + 209\text{Bi}$ system

Saturday, 26 August 2017 17:55 (15 minutes)

Primary author: Dr YANG, Lei (Center for Nuclear Study, University of Tokyo)

Presenter: Dr YANG, Lei (Center for Nuclear Study, University of Tokyo)

Session Classification: Poster Session

Contribution ID: 69

Type: **not specified**

A Large Area Position Sensitive TOF MCP Detector at the Rare RI Ring

Saturday, 26 August 2017 18:10 (15 minutes)

Primary author: Mr LI, Hongfu (IMP and RIKEN)

Presenter: Mr LI, Hongfu (IMP and RIKEN)

Session Classification: Poster Session