Session Program

Aug 19 – 21, 2025

2nd Symposium on TOPTIER Platform in Extreme Rare Isotope Science

Session

RIKEN Wako Campus

Wed, August 20

9:30 AM

Session: 2. Spectroscopy

Session | **Location:** RIKEN Wako Campus

9:30 – 9:40 AM **Summary of Project 2 Activities**

Speaker
Nori Aoi

9:40 – 10:10 AM
Status of the IDATEN project at RIBF and the upcoming ASGARD in-beam gamma campaign at RAON

Speaker
Hiroshi Watanabe

10:10 – 10:30 AM **Lifetime measurement of yrast-band states in 94Pd using IDATEN**

Speaker
Youngseob Jang

10:30 – 10:50 AM **Coffee Break**

10:50 – 11:20 AM
In-Beam Gamma-Ray Spectroscopy with DALI2(+), HiCARI, and the Path Toward HYPATIA

Speaker
Pieter Doornenbal

11:20 – 11:40 AM
Status of in-beam gamma spectroscopy for the neutron-rich scandium isotopes with HiCARI campaign

Speaker
Jiseok Kim

11:40 AM – 12:00 PM **Overview of decay spectroscopy at RIBF and C2URIE project**

Speaker
Rin Yokoyama

12:00 PM

1:45 PM

Session: 3a. Theory

Session | **Location:** RIKEN Wako Campus

1:45 – 2:10 PM **A new combination of nuclear structure and reaction theories**

Speaker
Kazuki Yoshida

2:10 – 2:35 PM **Interdisciplinary approach to multi-body correlations**

Speaker
Hiroyuki Tajima

2:35 – 3:00 PM
Role of the Light Mass Nuclear Reactions in the r-process Nucleosynthesis

Speaker
Kyungil Kim

3:00 PM

3:30 PM

Session: 4. Nuclear Matter

Session | **Location:** RIKEN Wako Campus

3:30 – 3:50 PM **Current Status of the SUPER Project**

Speaker
Youngjun Kim

3:50 – 4:10 PM **Cluster knockout measurements at RIBF**

Speaker
Yuki Kubota

4:10 – 4:30 PM **ONOKORO at RCNP**

Speaker
Cheong Soo Lee

4:30 – 4:50 PM
Heavy ion collision experiment at RIBF to study the properties of high dense neutron rich matter

Speaker
Tadaaki Isobe

4:50 – 5:00 PM **Coffee Break**

5:00 – 5:20 PM
Experimental studies with the LAMPS neutron detector array at SAMURAI

Speaker
Yosuke Kondo

5:20 – 5:40 PM **Preparation Status of LAMPS-NDA**

Speaker
Youngjin Kim

5:40 – 6:00 PM **Data Acquisition System for LAMPS-NDA**

Speaker
Hyo Sang Lee

6:00 PM

Thu, August 21

9:30 AM

Session: 5. Nuclear Astrophysics

Session | **Location:** RIKEN Wako Campus

9:30 – 9:40 AM **Overview of Project #4**

Speaker
S. Nishimura

9:40 – 10:10 AM **From Masses to β-Decay: Experimental Constraints on the r-Process**

Speaker
V.H. Phong

10:10 – 10:30 AM **Stellar nucleosynthesis studies with surrogate reactions**

Speaker
Sunghan Bae

10:30 – 10:50 AM **Optical model potential studies at RAON**

Speaker
Dahee Kim

10:50 – 11:10 AM **Coffee Break**

11:10 – 11:40 AM **CENS ap-explore project using active target TPCs**

Speaker
Soomi Cha

11:40 AM – 12:00 PM
Study on the rp-process via mass measurements with MRTOF-MS

Speaker
S Kimura

12:00 PM

1:00 PM

Session: 3b. Theory

Session | **Location:** RIKEN Wako Campus

1:00 – 1:15 PM **Current Status of TOPTIER Theory (KSHELL)**

Speaker
Youngman Kim

1:15 PM

1:15 PM

Session: 2b. Spectroscopy

Session | **Location:** RIKEN Wako Campus

1:15 – 1:35 PM **8pi Array Project at RCNP**

Speaker
E. Ideguchi

1:35 PM

1:45 PM

Session: 6. Neutron Science

Session | **Location:** RIKEN Wako Campus

1:45 – 2:05 PM **Status of Project 5: Neutron Science**

Speaker
H. Otsu

2:05 – 2:25 PM

Evaluation and Status of Nuclear Data Induced by Neutron for Key Nuclides in Small MSRs

Speaker
H.I. Kim

2:25 – 2:45 PM **Neutron Beamline NDPS at IRIS for Nulcear Science**

Speaker
C.S. Lee

2:45 – 3:00 PM

Surrogate Measurement for the Neutron-induced Reactions with OEDO Facility

Speaker
N. Imai

3:00 – 3:15 PM

Experimental Approaches for Nuclear Data Production in the TOPTIER Project

Speaker
D.H. Moon

3:15 PM

3:30 PM

Session: 7. Mass, Moment and Ion Trapping

Session | **Location:** RIKEN Wako Campus

3:30 – 4:00 PM

Recent progress and technological upgrades for the ZD MRTOF-MS experiment at RIBF

Speaker
M Rosenbusch

4:00 – 4:15 PM **SLOWRI pre-proposal**

Speaker
T Hashimoto

4:15 – 4:30 PM **MR TOF and mass measurement**

Speaker
J. Y. Moon

4:30 – 4:45 PM **Laser spectroscopy at KISS**

Speaker

Y Hirayama

4:45 – 5:00 PM **Coffee Break**

5:00 PM