

Session Program

2-5 Aug 2026

The 3rd Symposium on the TOPTIER platform in Extreme Rare Isotope Science

Session

MAISON GLAD Jeju

Sunday 2 August

16:00
18:00

Session: Registration and PI meeting
Session | **Location:** MAISON GLAD Jeju

Monday 3 August

09:10

Session: RI Production

Session | **Location:** MAISON GLAD Jeju

09:10–09:15 **TOPTIER Subproject 1 (RI Production) Overview**

Speaker

Taeksu Shin (IBS) Yutaka Watanabe (KEK)

09:15–09:35 **TOPTIER collaboration at BigRIPS**

Speaker

Sin'ichiro Michimasa

09:35–09:55 **Recent Measurements with Low-Energy Radioactive Ion Beams at CRIB**

Speaker

Fulong Liu

09:55–10:25 **Report from ISOL**

Speaker

H. Yim

10:25

10:50

Session: RI Production

Session | **Location:** MAISON GLAD Jeju

10:50–11:10 **Current progress and future plan for 225-Ac study at IRIS**

Speaker

Jaehong Kim

11:10–11:30

Utilizing fusion-evaporation reaction to access proton drip-line region with ISOL beam at RAON

Speaker

Sunghan Bae

11:30–12:00 **Discussion**

12:00

13:30

Session: Nuclear Structure

Session | **Location:** MAISON GLAD Jeju

13:30–13:55 **Overview of the ASGARD campaign at RAON in 2025**

Speaker

Hiroshi Watanabe

13:55–14:20 **~100Sn and Hypatia**

Speaker

Martha Liliana

14:20–14:45

Current status of IDATEN and future perspectives**Speaker**

Byul Moon

14:45–15:00

Analysis results for Pd-94**Speaker**

Youngseub Jang

15:00–15:15

Analysis results for Ru isotopes**Speaker**

Jaehwan Lee

15:15–15:30

Kyushu Exp.**Speaker**

Adrian Montes Plaza

15:30

15:50

Session: Nuclear Matter**Session** | **Location:** MAISON GLAD Jeju

15:50–15:55

Overview**Speaker**

T. Uesaka

15:55–16:25

Systematic study of multi-neutron systems at RIBF**Speaker**

Kenjiro Miki

16:25–16:45

Exploring the nuclear many-body system via heavy RI beam collision experiments at RIKEN-RIBF**Speaker**

TadaAki Isobe

16:45–17:05

Toward the systematic investigation of two nucleon transfers for the study of pair condensations**Speaker**

Shinsuke Ota

17:05–17:25

Be RIBF Proposal**Speaker**

Siwei Huang

17:25–17:40

Plan for dineutron spin-correlation measurement from He isotope with GEANT4

18:00	Speaker Soocho Chae
	17:40–17:55 SUPER Test Experiment Speaker Youngun Kim
	17:55–18:00 Discussion

Tuesday 4 August

09:00

Session: Nuclear Astrophysics

Session | Location: MAISON GLAD Jeju

09:00–09:15

Recent Progress and Future Plans of the Korean TOPTIER Nuclear Astrophysics Working Group

Speaker

S. Tony Ahn

09:15–09:30

Direct Measurement of the $^{140}(\alpha,p)^{17}\text{F}$ Reaction Relevant to Type I X-ray Bursts

Speaker

Chaeyeon Park

09:30–09:45

A study of proton-decay branching ratios in ^{25}Al states populated by the $^{27}\text{Al}(p,t)$ transfer reaction

Speaker

Minju Kim

09:45–10:00

Current status and future plans of ATOM-X

Speaker

Soomi Cha

10:00–10:15

Study on the compound nucleus neutron-capture reaction of ^{130}Sn using (d,p) surrogate reaction for understanding the r-process

Speaker

Sunghan Bae

10:15–10:30

Nuclear astrophysics research activities at RIKEN

Speaker

S. Nishimura

10:30

11:00

Session: Neutron Science

Session | Location: MAISON GLAD Jeju

11:00–11:10

Summary Report on Project 5: Neutron Science

Speaker

Do Heon Kim

11:10–11:35

Overview of a Project to Improve the Accuracy of Fission Reaction Data for Minor Actinides and the Current Status of Measurements**Speaker**

Atsushi Kimura

11:35–12:00

Neutron-Induced Nuclear Reaction Data Measurements in the TOPTIER Project**Speaker**

Dal-Ho Moon

12:00

13:30

Session: Neutron Science**Session** | **Location:** MAISON GLAD Jeju

13:30–13:55

Fundamental Physics Experiments in ANNRI Using Polarization**Speaker**

Shunsuke Endo

13:55–14:20

Modernization and Improvement of a Fission Barrier Calculation Code**Speaker**

Jonghwa Lee

14:20

14:20

Session: MMS et al.**Session** | **Location:** MAISON GLAD Jeju

14:20–14:35

RAON mass measurement experiment in 2026**Speaker**

J. Y. Moon

14:35–14:50

Heavy Isotope mass measurement in 2025 exp**Speaker**

S. Imura

14:50–15:05

Recent SlowRI mass measurement result**Speaker**

Y. Hirayama

15:05

15:30

Session: Theory**Session** | **Location:** MAISON GLAD Jeju

15:30–15:50

TOPTIER theory activities: status and perspective**Speaker**

Masaaki Kimura

15:50–16:20

Japan-Korea collaboration on nuclear density functional theory

Speaker

Nobuo Hinohara

16:20–16:40

Studies in quartet BCS theory**Speaker**

Yixin Guo

16:40–17:00

Systematic Investigations of Scandium, Titanium, and Vanadium in Galactic Chemical Evolution**Speaker**

Soonchul Choi

17:00–17:25

Investigation of produced nuclei in multinucleon transfer reactions using the Langevin approach**Speaker**

Kohta Nakajima

17:25–17:50

Configuration-driven mirror energy differences in the ^{29}Mg - ^{29}Cl pair studied with AMD**Speaker**

Dae Ik Kim

18:00

Wednesday 5 August

09:00



10:00

10:00



11:30

Session: Project Review and Discussion

Session | **Location:** MAISON GLAD Jeju | **Convener:** T. Shin H. Sakurai

Session: Project Plan and Discussion

Session | **Location:** MAISON GLAD Jeju | **Convener:** T. Shin H. Sakurai