

Nuclear Astrophysics Experiments with HIAF

Report of Contributions

Contribution ID: 1

Type: **not specified**

Progress and status of HIAF (online)

Wednesday 3 September 2025 08:30 (30 minutes)

Presenter: Prof. ZHOU, Xiaohong (Institute of Modern Physics, CAS)

Contribution ID: 2

Type: **not specified**

Introduction on the HIRIBL separator at HIAF

Wednesday 3 September 2025 09:00 (30 minutes)

Presenter: Prof. WANG, He (Institute of Modern Physics, CAS)

Contribution ID: 3

Type: **not specified**

Study of fission and multinucleon transfer reactions at JAEA tandem accelerator facility

Wednesday 3 September 2025 10:30 (1 hour)

Presenter: Prof. NISHIO, Katsuhisa (Japan Atomic Energy Agency)

Contribution ID: 4

Type: **not specified**

Multi-phonon vibration mode identified from two complementary fission approaches

Wednesday 3 September 2025 11:30 (30 minutes)

Presenter: Prof. WANG, Enhong (Shandong University)

Contribution ID: 5

Type: **not specified**

Opportunities For Mass and Decay Lifetime Measurements At the HIAF-SRing facility (online)

Wednesday 3 September 2025 09:30 (30 minutes)

Presenter: Prof. YAN, Xinliang (Institute of Modern Physics, CAS)

Contribution ID: 6

Type: **not specified**

New possibilities for JINR –IMP collaboration nuclear in physics research

Wednesday 3 September 2025 14:30 (1 hour)

Presenter: Prof. KAMINSKI, Grzegorz (Joint Institute for Nuclear Research)

Contribution ID: 7

Type: **not specified**

Study of alpha clusters in ^{12}C and ^{16}O using RAON and Activities for China-Korea collaboration (online)

Wednesday 3 September 2025 14:00 (30 minutes)

Presenter: Prof. KIM, Yongsun (Sejong University)

Contribution ID: 8

Type: **not specified**

Development of Time Projection Chambers at the University of Warsaw operating in active target and radioactive ion beam mode

Wednesday 3 September 2025 16:00 (1 hour)

Presenter: Prof. CWIOK, Mikolaj (University of Warsaw)

Contribution ID: 9

Type: **not specified**

Charge-exchange reaction and the oppotunities at HIAF

Wednesday 3 September 2025 17:00 (30 minutes)

Presenter: Prof. GAO, Bingshui (Institute of Modern Physics, CAS)

Contribution ID: **10**

Type: **not specified**

Discussion

Wednesday 3 September 2025 17:30 (30 minutes)

Contribution ID: 11

Type: **not specified**

Study of nuclear matter property with an active target CAT-M and a streaming readout system

Thursday 4 September 2025 14:00 (1 hour)

Presenter: Prof. OTA, Shinsuke (Osaka University)

Contribution ID: 12

Type: **not specified**

Nuclear Physics Studies with the MATE TPC

Thursday 4 September 2025 15:00 (30 minutes)

Presenter: Prof. ZHANG, Ningtao (Institute of Modern Physics, CAS)

Contribution ID: 13

Type: **not specified**

Investigation of direct reactions with active target time projection chambers

Thursday 4 September 2025 16:00 (1 hour)

Presenter: Prof. FURUNO, Tatsuyua (University of Fukui)

Contribution ID: 14

Type: **not specified**

Direct reactions with the active target as a tool for nuclear structure studies

Thursday 4 September 2025 17:00 (30 minutes)

Presenter: Prof. CHEN, Jie (Southern University of Science and Technology)

Contribution ID: **15**

Type: **not specified**

Discussion

Thursday 4 September 2025 17:30 (30 minutes)

Contribution ID: 16

Type: **not specified**

Investigation of nuclear properties relevant to nuclear astrophysics

Friday 5 September 2025 08:30 (1 hour)

Presenter: Prof. NISHIMURA, Shunji (RIKEN)

Contribution ID: 17

Type: **not specified**

Decay experiments and techniques at fragmentation facilities

Friday 5 September 2025 09:30 (1 hour)

Presenter: Prof. YOKOYAMA, Rin (University of Tokyo)

Contribution ID: **18**

Type: **not specified**

Gamma-ray spectroscopy in nuclear astrophysics [not open to public]

Friday 5 September 2025 11:00 (1 hour)

Presenter: Prof. UTSUNOMIYA, Hiroaki (Konan University)

Contribution ID: **19**

Type: **not specified**

Decay spectroscopy experiment across $N=126$ at RIBF and GSI (online)

Friday 5 September 2025 14:00 (1 hour)

Presenter: Prof. MORALES, Anabel (University of Valencia)

Contribution ID: 20

Type: **not specified**

Decay Spectroscopy of Neutron-Rich Ag and Rh Isotopes below ^{132}Sn

Friday 5 September 2025 15:00 (30 minutes)

Presenter: Prof. LI, Zhihuan (Peiking University)

Contribution ID: 21

Type: **not specified**

β -delayed neutron emission for very neutron-rich nuclei

Friday 5 September 2025 15:30 (30 minutes)

Presenter: Prof. WANG, Youbao (China Institute of Atomic Energy)

Contribution ID: **22**

Type: **not specified**

Discussion

Friday 5 September 2025 17:00 (1 hour)

Contribution ID: 23

Type: **not specified**

Probing the atomic nucleus with the IMP-DRAGON (online)

Friday 5 September 2025 16:30 (30 minutes)

Author: Prof. LI, Guangshun (Institute of Modern Physics, CAS)

Presenter: Prof. LI, Guangshun (Institute of Modern Physics, CAS)