

Challenges and Opportunities in Nuclear Astrophysics: Exploring the Universe with HIAF

Report of Contributions

Contribution ID: 1

Type: **not specified**

Nuclear Physics Experiments with HIAF

Monday 8 September 2025 09:00 (1 hour)

Author: Prof. TANG, Xiaodong (Institute of Modern Physics, CAS)

Presenter: Prof. TANG, Xiaodong (Institute of Modern Physics, CAS)

Contribution ID: 2

Type: **not specified**

Charge-exchange reaction and the opportunities at HIAF

Monday 8 September 2025 10:30 (30 minutes)

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

Contribution ID: 3

Type: **not specified**

TBA

Monday 8 September 2025 14:00 (1 hour)

Presenter: Prof. KAJINO, Toshitaka (Beihang University)

Contribution ID: 4

Type: **not specified**

Low-energy structures in the gamma-strength function

Monday 8 September 2025 11:00 (1 hour)

Presenter: Prof. CHEN, Fangqi (Lanzhou University)

Contribution ID: 5

Type: **not specified**

Nuclear inputs for r process nucleosynthesis from DFT

Monday 8 September 2025 17:00 (1 hour)

Presenter: Prof. FANG, Dongliang (Institute of Modern Physics, CAS)

Contribution ID: 6

Type: **not specified**

Influence of light-mass nuclear reactions on the r-process nucleosynthesis

Tuesday 9 September 2025 09:00 (1 hour)

Presenter: Prof. KIM, Youngman (CENS, Institute for Basic Research)

Contribution ID: 7

Type: **not specified**

Nuclear Astrophysics and Gamma-Ray Spectroscopy

Presenter: Prof. DIEHL, Roland (MPE und TUM Garching)

Contribution ID: 8

Type: **not specified**

Nuclear weak-interaction processes in stellar conditions(Online)

Tuesday 9 September 2025 10:30 (1 hour)

Presenter: Prof. WANG, Longjun (Southwest Univeristy)

Contribution ID: 9

Type: **not specified**

Nuclear inputs for r process nucleosynthesis from DFT

Contribution ID: **10**

Type: **not specified**

Discussion

Wednesday 10 September 2025 15:30 (1h 30m)

Contribution ID: **11**

Type: **not specified**

Facility tour

Tuesday 9 September 2025 14:00 (4 hours)

Contribution ID: 12

Type: **not specified**

Dense Matter EOS in Neutron Stars: Challenges and Opportunities with HIAF(online)

Monday 8 September 2025 15:30 (1 hour)

Presenter: Prof. LI, Ang (Xiamen University)

Contribution ID: 13

Type: **not specified**

Nuclear Astrophysics and Gamma-Ray Spectroscopy

Wednesday 10 September 2025 09:00 (1 hour)

Presenter: Prof. DIEHL, Roland (MPE und TUM Garching)

Contribution ID: 14

Type: **not specified**

Heavy element nucleosynthesis in supernovae and neutron star mergers

Wednesday 10 September 2025 14:00 (1 hour)

Presenter: Prof. WANG, Xilu (Institute of High Energy Physics)

Contribution ID: **15**

Type: **not specified**

Lunch break

Contribution ID: **16**

Type: **not specified**

Nuclear inputs for r process nucleosynthesis from DFT

Wednesday 10 September 2025 10:30 (1 hour)

Presenter: Prof. FANG, Dongliang (Institute of Modern Physics, CAS)