

The 73rd OMEG-SSANP Workshop

“r-process nucleosynthesis and some specific topics for nuclear physics”

Date: 13:00–18:10, Friday, March 15, 2024

Venue: Whitehorse building 318, Soongsil University

Registration: <https://indico.omeg.soongsil.ac.kr/event/43/>

13:00–13:50 Sangyong Jeon (McGill University)

Nuclear structure dependences in relativistic heavy ion collisions

14:00–14:50 Nobuya Nishimura (RIKEN)

Nuclear-physics uncertainties of heavy-element nucleosynthesis in stellar explosions

15:00–15:50 Kyungil Kim (IBS)

Role of the light mass nuclear reactions in the r-process nucleosynthesis

16:00–16:50 Tomoya Naito (RIKEN)

Impact of the isospin symmetry breaking on the nuclear equation of state—Towards accurate description of nuclear structure—

17:00–17:40 Jubin Park (Soongsil University)

Spectral analysis of exotic molecules including radioactive isotopes in carbon stars

17:40–18:10 Eunseok Hwang (Soongsil University)

Advancements in nuclear reaction rates for nuclear astrophysics: Electron screening effects and reinvestigation of Gamow factor

18:10–20:30 Dinner together