

Workshop for Einsteinium Campaign

Date: 7-8 Nov., 2017

Location: ASRC Conference Hall, Japan Atomic Energy Agency

2017/11/7 (Tuesday)

- 10:30 - 10:40 Katsuhisa Nishio Opening
- 10:40 - 11:10 Kentaro Hirose (JAEA) [20+10]
Fission study using multi-nucleon transfer reactions
- 11:10 - 11:40 Hiroari Miyatake (KEK) [20+10]
Recent KISS activities and future's plan
- 11:40 - 12:10 Riccardo Orlandi (JAEA) [20+10]
Nuclear structure study using Es₂₅₄ target in CAGRA collaboration
- 12:10 - 13:10 Lunch [60]
- 13:10 - 13:40 Krzysztof Rykaczewski (ORNL) [15+15]
²⁵⁴Es production at the HFIR/REDC facilities at ORNL
- 13:40 - 14:10 Michiharu Wada (KEK/RIKEN) [20+10]
Toward mass measurement of super-heavy nuclei using MRTOF
- 14:10 - 14:40 Masato Asai (JAEA) [20+10]
JAEA ISOL facility - Planned experiments -
- 14:40 - 15:00 Coffee Break
- 15:00 - 15:20 Shigeru Kubono (RIKEN) [15+5]
U, Th problem in nuclear astrophysics
- 15:20 - 15:40 Huiming Jia (CIAE) [15+5]
SHN syntheses via multi-nucleon transfer by using ²⁵⁴Es target
- 15:40 - 16:00 Yutaka Watanabe (KEK) [15+5]
Nuclear production by multinucleon transfer reactions with neutron-rich heavy ion beams
- 16:00 - 16:20 Coffee break
- 16:20 - 16:40 Hiroyuki Makii (JAEA) [15+5]
Fission isomer studies for neutron-rich actinide nuclei
- 16:40 - 17:00 Shoya Tanaka (Kindai Univ.) [15+5]
Planned studies of multi-nucleon transfer reactions using Langevin approach and evaporation process
- 17:00 - 17:20 Yuya Miyamoto (Kindai Univ.) [15+5]
Research for fusion-fission process of super heavy mass region by using dynamical

model - Origin of sharp transition of mass asymmetry in Fm isotopes -

18:30 - 21:00 Dinner

2017/11/8 (Wednesday)

- 9:10 - 9:40 Chengjian Lin (CIAE) [20+10]
The proposed Beijing-ISOL facility
- 9:40 - 10:10 Hideaki Otsu (RIKEN) [20+10]
Nuclear reaction data of long-lived fission product on RIBF
- 10:10 - 10:30 Taiki Tanaka (Kyushu Univ./RIKEN) [15+5]
Systematic study of fusion reaction in heavy reaction systems
- 10:30 - 10:50 Coffee Break [20]
- 11:50 - 11:10 Naohito Iwasa (Tohoku University) [15+5]
New isotope search using deep inelastic scattering
- 11:10 - 11:30 Hiroyuki Koura (JAEA) [15+5]
Nuclear mass and decay of neutron-rich actinide nuclei relevant to r-process nucleosynthesis
- 11:30 - 12:00 Shinya Wanajo (Sophia Univ.) [20+10]
Astrophysical nucleosynthesis and abundance of actinides elements
- 12:00 - 13:00 Lunch [60]

Session 5

- 13:00 - 13:30 Tsuyoshi Yaita (JAEA) [20+10]
Chemical studies of Es at SPring-8
- 13:30 - 13:50 Yoshitaka Kasamatsu (Osaka Univ.) [15+5]
Experimental plan for extraction of Lr at JAEA
- 13:50 - 14:10 Kazuaki Tsukada (JAEA) [15+5]
Chemical purification of actinide elements at JAEA laboratory
- 14:10 - 15:00 Discussions