

[RIBF-ULIC-Symposium-011]Low-Energy Radioactive Isotope Beam (RIB)

Production by In-Gas Laser Ionization for Decay Spectroscopy at RIKEN

December 10-11, 2012,

Main Meeting Room, 2F RIBF Building, RIKEN-Wako

Dec. 10

10:00-10:10 Opening Address

10:10-10:50 (30+10)

In-Gas Laser Ionization and Spectroscopy (IGLIS) at LISOL and at a new HELIOS laser laboratory (Mark Huysse/ KUL)

10:50-11:30 (30+10)

KEK Isotope Separation System (KISS) at RIKEN (Yutaka Watanabe / KEK)

11:30-12:10 (30+10)

Parasitic Low-Energy RI-Beam Facility (PALIS) at RIKEN RIBF (Tetsu Sonoda / RIKEN)

Break (Lunch)

14:00-14:30 (20+10)

RIKEN GARIS as a promising interface for SHE chemistry (Hiromitsu Haba / RIKEN)

14:30-15:00 (20+10)

Gas cell at the focal plane of the MARA (Iain Moore / Univ. of Jyvaskyla)

15:00-15:30 (20+10)

Pushing the boundaries of Penning trap mass spectrometry (Ania Kwiatkowski/ TRIUMF)

Break (Coffee)

15:50-16:30 (30+10)

In-Gas Laser Ionization and Spectroscopy experiments at S3-GANIL (Raefel Ferrer / KUL)

16:30-17:10 (30+10)

Proposal of laser spectroscopy at SLOWRI (Hiteki Iimura / JAEA)

17:10-17:50 (30+10)

Decay Spectroscopy: Current Status and Future Perspectives (Schunji Nishimura / RIKEN)

18:30 (Party @ RIBF 4F Lounge) (kindly asking participants for subscription of ¥2000)

Dec. 11

9:00-10:00 (50+10)

Properties of nuclear masses for heavy and super-heavy nuclei. (Hiroyuki Koura / JAEA)

10:00-10:40 (30+10)

Spin polarization of atoms produced by laser excitation and its application to atomic and nuclear physics (Yukari Matsuo / RIKRN)

10:40-11:20 (30+10)

Multi-Reflection Time-of-Flight Mass Spectrograph for Short-Lived and Super-Heavy Nuclei (Peter Schury / Univ. of Tsukuba/RIKEN)

11:20-12:00 (30+10)

In-Gas Jet Laser Ionization: basic principles (Yuri Kudriyavtsev / KUL)

Break (Lunch)

13:30-14:00 (20+10)

Online Commissioning of MR-TOF Mass Spectrograph at RIKEN (Yuta Itoh / Univ. of Tsukuba/ RIKEN)

14:00-14:30 (20+10)

On and Off-line test results of the KISS gas cell (Yishikazu Hirayama / KEK)

14:30-15:00 (20+10)

Gas Cell Based Laser Ionization Setup (GALS) at Dubna (Zemlyanoy Sergey, JINR)

Break (Coffee)

15:20-15:50 (20+10)

Resonance Ionization Spectroscopy in gas jet using a high repetition rate Ti:Sapphire laser system at SLOWRI PALIS (Hideki Tomita / Nagoya Univ.)

15:50-16:30 (30+10)

Liquid and solid lasers for optimum performance of the resonance ionization laser ion source at ISOLDE/CERN (Valentin Fedosseev / CERN)

Break (Coffee)

16:50-17:30

Discussion