

Laser Ion Sources Workshop



Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Monday, 24 October 2016 08:50 (10 minutes)

Presenter: WELSCH, Carsten Peter (Cockcroft Institute / University of Liverpool)

Contribution ID: 2

Type: **not specified**

Status and latest developments of the TRILIS + LIST set up at TRIUMF

Monday, 24 October 2016 09:00 (40 minutes)

Chair: Nathalie Lecesne

Presenter: LASSEN, Jens (TRIUMF)

Contribution ID: 3

Type: **not specified**

Beam-purity, efficiency and spectral-resolution considerations in the development of ionization schemes for the ISOLDE RILIS

Monday, 24 October 2016 09:40 (25 minutes)

Chair: Nathalie Lecesne

Presenter: DAY GOODACRE, Thomas (University of Manchester (GB))

Contribution ID: 4

Type: **not specified**

High-resolution In-source Laser Spectroscopy with highest Isobar Suppression

Monday, 24 October 2016 10:05 (25 minutes)

Chair: Nathalie Lecesne

Presenter: HEINKE, Reinhard Matthias (Johannes-Gutenberg-Universitaet Mainz (DE))

Contribution ID: 5

Type: **not specified**

Recent developments on RILIS hot cavity design with GISELE at GANIL

Monday, 24 October 2016 11:00 (25 minutes)

Chair: Valentine Fedosseev

Presenter: LECESNE, Nathalie (GANIL)

Contribution ID: 6

Type: **not specified**

Recent developments on RILIS at INFN

Monday, 24 October 2016 11:25 (25 minutes)

Chair: Valentine Fedosseev

Presenter: SCARPA, Daniele (INFN)

Contribution ID: 7

Type: **not specified**

Laser ion source developments at ISOLDE/CERN

Monday, 24 October 2016 11:50 (25 minutes)

Chair: Valentine Fedosseev

Presenter: MARSH, Bruce (CERN)

Contribution ID: 8

Type: **not specified**

Theoretical developments of direct interest to ground state nuclear towards actinides and heavier elements

Monday, 24 October 2016 14:00 (40 minutes)

Chair: Michael Block

Presenter: BORSCHEVSKY, Anastasia (University of Groningen)

Contribution ID: 9

Type: **not specified**

Laser spectroscopy of neutron deficient actinium isotopes around the N=126 shell closure

Monday, 24 October 2016 14:40 (25 minutes)

Chair: Michael Block

Presenter: GRANADOS BUITRAGO, Camilo Andres (KU Leuven (BE))

Contribution ID: 10

Type: **not specified**

Resonance Ionization Spectroscopy of high-lying atomic levels in dysprosium and erbium for scheme development and ionization potential determination of the first ionization potential

Monday, 24 October 2016 15:05 (25 minutes)

Chair: Michael Block

Presenter: STUDER, Dominik (Johannes-Gutenberg-Universitaet Mainz (DE))

Contribution ID: 12

Type: **not specified**

Thorium activities at Munich, application to gas cell extraction efficiencies and gas cell chemistry

Monday, 24 October 2016 16:00 (40 minutes)

Chair: Mark Huyse

Presenter: VON DER WENSE, Lars (Munich University)

Contribution ID: 13

Type: **not specified**

Development of a laser ion source for plutonium and thorium at the IGISOL facility

Monday, 24 October 2016 16:40 (25 minutes)

Chair: Mark Huyse

Presenter: POHJALAINEN, Ilkka (University of Jyväskylä)

Contribution ID: 14

Type: **not specified**

Laser Resonance Ionization Spectroscopy on Lanthanides for the MEDICIS-PROMED Project

Monday, 24 October 2016 17:05 (25 minutes)

Chair: Mark Huyse

Presenter: GADELSHIN, Vadim (Johannes Gutenberg University of Mainz)

Contribution ID: 15

Type: **not specified**

Recent spectroscopic activities using multi-nucleon transfer reaction products at KISS

Tuesday, 25 October 2016 09:00 (40 minutes)

Chair: Piet Van Duppen

Presenter: HIRAYAMA , Yoshikazu (KEK)

Contribution ID: 16

Type: **not specified**

Status update on the REGLIS LEB facility

Tuesday, 25 October 2016 09:40 (25 minutes)

Chair: Piet Van Duppen

Presenter: FRANCHOO, Serge (IPN Orsay)

Contribution ID: 17

Type: **not specified**

Status update on the MARA-LEB facility

Tuesday, 25 October 2016 10:05 (25 minutes)

Chair: Piet Van Duppen

Presenter: PAPADAKIS, Philippos (University of Jyväskylä)

Contribution ID: **18**

Type: **not specified**

The first ionization potential of nobelium

Tuesday, 25 October 2016 11:00 (40 minutes)

Chair: Iain Moore

Presenter: LAATIAOUI, Mustapha (GSI/HIM)

Contribution ID: 19

Type: **not specified**

Visualization and characterization of supersonic gas jets for nuclear spectroscopy studies

Tuesday, 25 October 2016 11:40 (25 minutes)

Chair: Iain Moore

Presenter: ZADVORNAYA, Alexandra (KU Leuven)

Contribution ID: 21

Type: **not specified**

Development and first characterisation tests of RFQ ion guides for HELIOS

Tuesday, 25 October 2016 14:00 (25 minutes)

Chair: Rafael Ferrer

Presenter: SELS, Simon Mark C (KU Leuven (BE))

Contribution ID: 22

Type: **not specified**

REGLIS LEB RFQ simulations

Tuesday, 25 October 2016 14:25 (25 minutes)

Chair: Rafael Ferrer

Presenter: TRAYKOV, Emil (Institut Pluridisciplinaire Hubert CURIE)

Contribution ID: 23

Type: **not specified**

Exploratory studies of laser interaction with volatile refractory metal compounds

Tuesday, 25 October 2016 14:50 (25 minutes)

Chair: Rafael Ferrer

Presenter: SEIFFERT, Christoph (CERN)

Contribution ID: 25

Type: **not specified**

Latest developments on the narrow bandwidth laser systems for high resolution resonance ionization spectroscopy

Tuesday, 25 October 2016 16:00 (40 minutes)

Chair: Klaus Wendt

Presenter: TOMITA, Hideki (Nagoya University)

Contribution ID: 26

Type: **not specified**

Status of the FURIOS CW-laser laboratory at IGISOL

Tuesday, 25 October 2016 16:40 (25 minutes)

Chair: Klaus Wendt

Presenter: VOSS, Annika (University of Jyväskylä)

Contribution ID: 27

Type: **not specified**

Conclusion of the workshop and discussion on R&D plans

Tuesday, 25 October 2016 17:05 (55 minutes)

Chair: Klaus Wendt