

**Session Program**

**17-19 Dec 2012**

**ISOLDE Workshop and Users meeting 2012**

***Poster session***

CERN, 503/1-001 - Council Chamber

# Monday 17 December

18:05

## Poster session

**Poster Session** | **Location:** CERN, 503/1-001 - Council Chamber

### Shape coexistence and charge radii in gold and astatine isotopes studied by in-source laser spectroscopy at RILIS-ISOLDE

**Speaker**

Prof. Andrei Andreyev

### Recent developments of the ISOLDE RILIS Remote Monitoring and Control System towards flexible collaborative data acquisition

**Speaker**

Ralf Erik Rossel

### Laser spectroscopy on neutron-rich 48-51K isotopes

**Speaker**

Jasna Papuga

### Experimental results and numerical simulations of the HIE ISOLDE short Faraday Cup

**Speaker**

Esteban Daniel Cantero

### Preliminary Study of the HIE-ISOLDE Beam Profile Monitor

**Speaker**

Alex Garcia Sosa

### Upgrade of the REX-ISOLDE charge breeder

**Speaker**

Andrey Shornikov

### Laser spectroscopy on the borders of the region of reflection asymmetry

**Speaker**

Mr Ivan Budincevic

### A Systematic Study of Nuclei in the A=60 -70 Mass Region

**Speaker**

Paula R. P. Allegro

### Laser- and decay spectroscopy of neutron-deficient Tl isotopes

**Speaker**

Celine Van Beveren

### Applications of solid-state RILIS lasers in experiments at ISOLDE

**Speaker**

Mr Sebastian Rothe

### Determination of the B(E2) value for the first 2+ state of $^{142}\text{Sm}$ using Coulomb excitation at REX-ISOLDE

<p><b>Speaker</b> Robert Stegmann</p>
<p><b>Quadrupole Collectivity in the Cd isotopic chain investigated with Coulomb Excitation</b></p> <p><b>Speaker</b> Sabine Bönig</p>
<p><b>Structure of the odd-odd <math>^{62,64}\text{Co}</math> nuclei: “is there evidence of the onset of particle-hole intruder states in these nuclei?”</b></p> <p><b>Speaker</b> Prof. William Walters</p>
<p><b>Structure of <math>^{81}\text{Ga}</math> populated from the <math>\beta</math>- decay of <math>^{81}\text{Zn}</math></b></p> <p><b>Speaker</b> Mr Vadym Pazyi</p>
<p><b>SPINS, MOMENTS AND RADII OF 100-130Cd BY LASER SPECTROSCOPY</b></p> <p><b>Speaker</b> Deyan Yordanov</p>
<p><b>A feasible substitute of LaBr<sub>3</sub> scintillator in the Ultra Fast Timing Technique for lifetime measurements of excited states.</b></p> <p><b>Speakers</b> Vadym Pazyi, Victoria Vedia</p>
<p><b>Precision mass spectrometry of short-lived nuclei with minute production rates</b></p> <p><b>Speaker</b> Susanne Kreim</p>
<p><b>Upgrade of the Radio Frequency Quadrupole Cooler and Buncher for the HIE-ISOLDE Project</b></p> <p><b>Speaker</b> Carla Babcock</p>
<p><b>Newly identified low-lying isomeric state in <math>^{80}\text{Ga}</math> from the beta- decay of <math>^{80}\text{Zn}</math></b></p> <p><b>Speaker</b> Razvan Lica</p>
<p><b>Radiation Protection Study for the HIE-ISOLDE project</b></p> <p><b>Speaker</b> Sandra Giron</p>
<p><b>Simulations of the HIE-ISOLDE radio frequency quadrupole cooler and buncher vacuum using the Monte Carlo test particle code Molflow+</b></p> <p><b>Speaker</b> Mario Armin Hermann</p>
<p><b>Advanced SiC and Al<sub>2</sub>O<sub>3</sub> as model targets for radioisotope beam production at HIE-ISOLDE</b></p> <p><b>Speaker</b> Michal Adam Czapski</p>

## **Online Operation of a Molten Salt Target at ISOLDE for the Beta Beams: Validation of Electro-Thermal Simulation with Experimental Data**

### **Speaker**

Serena Cimmino

## **Design Upgrade of the ISOLDE Target Unit for HIE-ISOLDE**

### **Speaker**

Jacobo Abraham Montano Carrizales

## **Design Upgrade of the Mass Separator Magnets for HIE-ISOLDE**

### **Speaker**

Mathieu Augustin

## **Low level control upgrade to the ISOLDE High Resolution Separator magnet**

### **Speaker**

Martino Colciago

## **Cooling and Ventilation Group Activities on ISOLDE Tunnel & Class A Lab during LS1 and for HIE-ISOLDE Intensity upgrade**

### **Speaker**

Andrea Polato

## **The next generation of implantation chambers for GPS**

### **Speaker**

Matthias Nagl

## **HIE beam commissioning software application**

### **Speaker**

Davide Lanaia

## **100 ns Bunch Spacing of Post-accelerated RIBs for the High Intensity and Energy ISOLDE Upgrade**

### **Speaker**

Matthew Alexander Fraser

## **3D Integration models for the various installation stages of HIE-ISOLDE**

### **Speaker**

Eleftherios Zografos

## **HIE-ISOLDE cavity coating**

### **Speaker**

Noemie Marie Jecklin

## **HIE ISOLDE - Alignment and Monitoring System of the LINAC**

### **Speaker**

Guillaume Kautzmann

## **New quadrupole electromagnets with laminated steel yokes for the HIE-ISOLDE Beam Transfer Lines**

### **Speaker**

Panagiotis Farantatos

## **Dose estimations for target's storage and MEDICIS Lab. using Fluka**

19:30

**Speaker**  
Leonel Morejon Hernandez