

Session Program

3-5 Dec 2025



ISOLDE Workshop and Users meeting 2025

Poster Session

CERN, 222/R-001

Wednesday 3 December

18:00

Poster Session

Session | **Location:** CERN, 61/1-201 - Pas perdue - Not a meeting room -

18:15-18:16

Testing the Standard Model with the WISArD Experiment

Speaker

Samuel Lecanuet

18:17-18:18

β -decay spectroscopy studies at VITO with laser-polarised beams of potassium isotopes

Speaker

Ilaria Michelon

18:18-18:19

Neutron background monitoring for the IAXO-D0 detector prototype

Speaker

Victor Martinez Nouvilas

18:19-18:20

I-forbidden M1 transitions in N = 50 isotones

Speaker

Gabriel Garcia De Lorenzo

18:21-18:22

ASCII - The Apparatus for Surface Physics and Interfaces at CERN's Ion Implantation Chamber

Speaker

Carl Friedrich Jarschke

18:22-18:23

Probing the nuclear magnetisation distribution with the Bohr-Weisskopf effect using collinear laser spectroscopy

Speaker

Bram van den Borne

18:23-18:24

Decay spectroscopy of the Ac-225 decay chain for medical applications

Speaker

Jana Aelbrechts

18:24-18:25

Production of intense, high-purity beams of neutron-rich Cd isotopes at ISOLDE

Speaker

Marcos Llanos Exposito

18:25-18:26

Dion-Jacobson ANdNb₂O₇ (A = Rb,Cs) Layered Perovskite Systems: Bulk Study, Ion Exchange and Exfoliation

Speaker

Jose Miguel Almeida Pereira

18:26-18:27

Detector simulations for beta delayed particle emission from ^8He **Speaker**

Jeppe Schultz Nielsen

18:27-18:28

Magnetic field mapping and validation of the MAGDEM CCT superconducting magnet for ISRS**Speaker**

Carlos Alejandro Gonzales Cordero

18:28-18:29

Theoretical predictions for transfer reactions supporting the ISOLDE Linear Spectrometer (ILS)**Speaker**

Fatemeh Torabi

18:29-18:30

 β -decay spectroscopy studies of ^{124}In **Speaker**

Pawel Wakuluk

18:30-18:31

Studies of excited states in ^{118}Ag **Speaker**

M. Młynarczyk

18:31-18:32

Developments for a high-throughput laser ion source for CERN-MEDICIS**Speaker**

Ralitsa Ivaylova Mancheva

18:32-18:33

Beam Optics Modelling and Bayesian Analysis for Enhanced Beam Delivery to ISOLDE Experiments**Speaker**

Quentin Vuillemin

18:33-18:34

A Space for Developing New Non-Radioactive Target Materials - Extension of the Chemical Lab for Development and Production of Nanometric Materials**Speaker**

Matthias Alexander Grasser

18:34-18:35

Determination of half-lives, alpha-beta branching and hindrance factors of $^{219,220}\text{Po}$; implications on nuclear shape**Speaker**

Jack Shaw

18:35-18:36

First-Principles EFG Calculations and PAC Probing of Octahedral Distortions in AYTiO_4 (A = Na, Ag) Layered Perovskites

Speaker

Lucas Felgueiras De Almeida

18:36-18:37

Engineering of the Upgraded VITO β -NMR Beamline**Speaker**

Jiri Jaluvka

18:37-18:38

Development and testing of nanostructured uranium carbide targets for ISOLDE physics**Speaker**

Valentina Berlin

18:38-18:39

Laser spectroscopy of neutron deficient lutetium (Z=71) with PI-LIST**Speaker**

David Thomas Mcelroy

18:39-18:40

Recent development of SiC targets at ISOL@MYRRHA and CERN-ISOLDE**Speaker**

Flavia Guidubaldi

18:40-18:41

Upcoming End-Station for Laser-RF Double-Resonance Spectroscopy at the VITO Beamline**Speaker**

Nikolay Azaryan

18:41-18:42

Design and simulation of a dedicated ion beamline for LARIS within CERN-ISOLDE**Speaker**

Emanuel Crans

18:42-18:43

Stabilization of Actinide and Lanthanide Carbides for ISOLDE Target Elimination**Speaker**

Serdar Usta

18:43-18:44

Emission channeling and photoluminescence spectroscopy studies of lead-related quantum emitters in diamond**Speaker**

Kirill Danilov

18:44-18:45

Combining high-resolution laser spectroscopy and beta-gamma spectroscopy using the CRIS Decay Spectroscopy Station**Speaker**

Simone Casci

18:45-18:46

Laser Spectroscopy measurements of $^{(151-175)}\text{Tm}$. On behalf of the COLLAPS collaboration

Speaker

Jack Brian Hughes

18:46-18:47

A study of seniority-2 configurations in N=126 isotonic chain. Coulomb excitation of ^{214}Ra .**Speaker**

Ivan Todorov Anastasov

18:47-18:48

Prospects for future molecular spectroscopy measurements using ^{223}RaF **Speaker**

Carlos Mario Fajardo Zambrano

18:48-18:49

Measurements of Nuclear Deformation in A=144 Isobars via Coulomb Excitation.**Speaker**

Josh Alex David Curry

18:49-18:50

The new ion-implantation chamber in the General Low Mass (GLM) area of ISOLDE.**Speaker**

Ian Chang Jie Yap

18:50-18:51

In-trap molecular formation at ISOLDE Offline 2**Speaker**

Alexander Schmidt

18:51-18:52

Recent technical developments and measurements at ISOLTRAP**Speaker**

Paul Florian Giesel

18:52-18:53

Combined Collinear Laser Spectroscopy and Gas-Cell Ionization Feasibility Studies on Stable Fluorine: Development and Optimization at LIAF-COLLAPS**Speaker**

Mr Ronaldo R. Méndez Hernández for the LIAF-COLLAPS collaboration

18:53-18:54

NMR shielding constants and rederivation of accurate magnetic dipole moments of stable Se and Te isotopes**Speaker**

Mr Andrej Hurajt

18:54-18:55

PROPOSAL FOR A NEW GENERAL TIMING SYSTEM AT ISOLDE**Speaker**

Lukas Nies

18:55-18:56

Recent developments on terbium mass separation from tantalum target materials at CERN-MEDICIS facility.

Speaker

Patricija Kalnina

18:56-18:57

Lifetime measurements in neutron-rich lanthanides with the GRIFFIN Spectrometer using the fast-timing technique**Speaker**

Faye Rowntree

18:57-18:58

Towards King-plot nonlinearity searches with radioactive ion beams**Speaker**

Sandro Fabian Kraemer

18:58-18:59

Coulomb excitation of ^{212}Ra at HIE-ISOLDE**Speaker**

Hannes Mayr

18:59-19:00

On the design of a flexible Ion source for COLLAPS**Speaker**

Edward Noel Matthews

19:00-19:01

Preliminary Results on the Gamma-Spectroscopy of ^{229}Ac Following the Beta Decay of ^{229}Ra **Speaker**

Magda Satrazani

19:02-19:03

Production Cross Section Measurements of the $\text{natPd}(\alpha, x)^{111}\text{Ag}$ Reaction**Speaker**

Laurine PUREN

19:03-19:04

The evolution of nuclear structure near the $N = 20$ Island of Inversion - a measurement of $^{30}\text{Mg}(d, p)^{31}\text{Mg}$ reaction**Speaker**

Michał Włodarczyk

19:04-19:05

Delivering molecular ion beams for CP-violating searches**Speaker**

Justus Berbalk

20:00