

Session Program

8-9 Feb 2023

Agenda for the 72nd Meeting of the INTC
OPEN Session

Wednesday 8 February

09:00

OPEN Session: REMOTE (All talks via Zoom, only INTC Members in the room)

Session | Location: CERN, 61/1-009 - Room C

09:00–09:05

Introduction

Speaker

Marek Pfutzner

09:05–09:25

ISOLDE Technical and Physics Report

Speaker

Karl Johnston

09:25–09:45

n_TOF Technical and Physics Report

Speaker

Nikolaos Patronis

09:45–09:57

Production of ^{226}Ra -implanted high-quality radon sources for detector characterization

Speaker

Florian Joerg

10:05–10:17

Probing the excited halo in ^{10}Be using low-energy one neutron transfer reaction

Speaker

Jie Chen

10:25–10:37

Nuclear and laser spectroscopy study of the neutron-rich $^{212,213,215,216,217,219,220}\text{Bi}$ isotopes with LIST

Speaker

Andreyev Andreev

10:45–10:55

Break

10:55–11:07

Quantum colour centers in diamond studied by emission channeling with short-lived isotopes (EC-SLI) and radiotracer photoluminescence

Speaker

Ulrich Wahl

11:15–11:27

Exploring the evolution of the $N = 126$ magic number with the masses of neutron-rich gold isotopes

Speaker

Vladimir Manea

11:35–11:47

Measurement of the Double-Differential Cross Section of Neutron-Induced Charged-Particle Emission of Carbon from 20 MeV to 200 MeV**Speaker**

Elisa Pirovano

11:55–12:07

Single-particle structure study in neutron-rich Ca through $^{50}\text{Ca}(\text{d},\text{p})$ **Speaker**

Andreas Ceulemans

12:15–12:27

Measurement of $^{28,29,30}\text{Si}(\text{n},\gamma)$ capture cross sections to explain isotopic abundances in presolar grains**Speaker**

Claudia Lederer-Woods

12:35–13:35

Lunch break

13:35–13:47

Measuring the electron affinity of polonium**Speakers**

Dag Hanstorp, Miranda Nichols

13:55–14:07

Measurement of the $^{166,167,168,170}\text{Er}(\text{n},\gamma)$ cross-section at EAR1**Speakers**

Antonio Guglielmelli, Victor Alcayne

14:15–14:27

Magnetic moment of ^{11}Be with ppm accuracy**Speaker**

Mark Bissell

14:35–14:47

Collinear resonance ionization spectroscopy of neutron-deficient antimony isotopes, towards the proton drip line**Speaker**

Kara Lynch

14:55–15:05

Break

15:05–15:17

Oxide and Metal Halide Perovskites: Temperature-Dependent Dynamic Nature of Crystal Structure and Symmetry Relations**Speaker**

Pedro Miguel Da Rocha Rodrigues

15:25–15:37

Probing the fission and radiative decay of the $^{235}\text{U}+\text{n}$ system using (d,p) and $(\text{d},\text{p}\gamma)$ reactions**Speaker**

Tobias James Wright

15:45–15:57

Probing the doubly magic shell closure at ^{132}Sn by Coulomb excitation of neutron-rich $^{130,134}\text{Sn}$ isotopes**Speaker**

Peter Reiter

16:05–16:17

Single-proton properties around the N=20 island of inversion**Speaker**

David Sharp

16:25–16:37

 β -decay spectroscopy with laser-polarised beams of neutron-rich potassium isotopes**Speakers**

Miguel Madurga, Monika Piersa-Silkowska

16:45–16:55

Break

16:55–17:07

Collection of $^{129\text{m}},^{131\text{m}},^{133\text{m}}\text{Xe}$ for the gamma-MRI project: IS691**Speaker**

Magdalena Kowalska

17:15–17:27

Terbium-149 for targeted alpha therapy**Speakers**

Nicholas Philip Van Der Meulen, Nick van der Meulen

17:35–17:47

Probing structural transitions in M(II) vanadates (M = Zn, Mn, Cd, Ca) with TDPAC spectroscopy**Speakers**

Anastasia Burimova, Artur Carbonari, Artur Wilson Carbonari, Juliana Schell

17:55–18:07

Microscopic insight by nuclear hyperfine methods on ferroic Perovskites**Speaker**

Armandina Lima Lopes

18:14–18:15

End of the Open Session

18:15