

**Session Program**

**7-8 Feb 2024**

**Agenda for the 75th Meeting of the INTC**

***OPEN Session***

CERN, 61/1-009 - Room C

# Wednesday 7 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

**Location**

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### 09:05–09:25 ISOLDE Technical Report

**Speaker**

Joachim Voltaire

**Location**

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### 09:25–09:45 ISOLDE Physics Report

**Speaker**

Hanne Heylen

**Location**

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### 09:45–10:05 n\_TOF Technical Report

**Speaker**

Oliver Aberle

**Location**

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### 10:05–10:25 n\_TOF Physics Report

**Speaker**

Alberto Mengoni

**Location**

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### 10:25–10:45 Break

### 10:45–10:57 Emission Mössbauer spectroscopy of topological kagome magnets

**Speaker**

Dr Roberto Mantovan

**Location**

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### 11:05–11:17 Terbium-149 for targeted alpha therapy

**Speaker**

Nicholas Philip van der Meulen

**Location**

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11:25–11:37

**Study of  $n+^{63,65}\text{Cu}$  reactions and their relevance for nuclear technologies and Astrophysics****Speaker**

Cristian Massimi

**Location**

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11:45–11:57

**Charge states of transition metal ions and local magnetic structure of dilute magnetic semiconductor (Ga,Fe)N:Mn - an emission Mössbauer spectroscopy study****Speaker**

Rajdeep Adhikari

**Location**

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12:05–13:20

**Lunch**

13:20–13:32

**A study of seniority-2 configurations in  $N = 126$  and  $124$  isotonic chains****Speaker**

Georgi Ivanov Rainovski

**Location**

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13:40–13:52

**Measurement of the  $^{235}\text{U}(n,f)$  cross section relative to n-p scattering up to  $1\sim\text{GeV}$** **Speaker**

Alice Manna

**Location**

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14:00–14:12

**Measurement of neutron capture cross section on  $^{134}\text{Cs}$  through surrogate reaction ( $d,p\gamma$ ) at ISS****Speaker**

Sara Carollo

**Location**

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14:20–14:32

**Single-proton-hole orbitals in the  $N=126$  nucleus  $^{205}\text{Au}$** **Speaker**

Zsolt Podolyak

**Location**

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14:40–15:00

**Coffee Break**

15:00–15:12

**Activation measurements of the  $^{135}\text{Cs}(n,\gamma)$  cross-section at n\_TOF-NEAR****Speaker**

Jorge Lerendegui Marco

**Location**

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15:20–15:32

**Laser and nuclear decay spectroscopy study of the neutron-rich high-spin states in the  $^{212,213}\text{Bi}$  isotopes with LIST****Speaker**

Andrei Andreyev

**Location**

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15:40–15:52

**Measurement of the zirconium-88 neutron absorption cross section at EAR2****Speaker**

Will Flanagan

**Location**

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16:00–16:12

**Spectroscopic factors in the r-process nucleus  $^{135}\text{Sn}$** **Speaker**

Thorsten Kroell

**Location**

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16:20–16:40

**Break**

16:40–16:52

**Mapping single-particle neutron strength towards the mid-shell in semi-magic lead isotopes****Speaker**

Joonas Kalervo Ojala

**Location**

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17:00–17:12

**Magnetic origins of epitaxial MAX phase  $\text{Mn}_2\text{GaC}$ -based thin films probed by Emission Mössbauer Spectroscopy****Speaker**

Bingcui Qi

**Location**

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17:20–17:32

**Probing the local environments and optical properties in halide perovskites with short-lived radioactive isotopes****Speaker**

Hilary Masenda

**Location**

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17:40–17:52

**Laser & decay spectroscopy and mass spectrometry of neutron-rich mercury isotopes south-east of 208Pb**

**Speaker**

James Cubiss

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18:00–18:01

**End Open Session**

**Location**

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18:01