

Session Program

7-8 Feb 2018

58th Meeting of the INTC

OPEN Session

CERN, 503/1-001 - Council Chamber

Wednesday 7 February

08:30

OPEN Session

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

08:30–08:35 Introduction

Speaker

Karsten Riisager

Location

08:35–08:50 ISOLDE report

Speakers

Richard Catherall, Karl Johnston

Location

08:55–09:10 HIE ISOLDE report

Speaker

Yacine Kadi

Location

09:15–09:30 Status of n_TOF

Speaker

Daniela Macina

Location

09:35–09:47

Influence of valence of doping element on local electronic and crystal structure in vanadium oxides: Time-Differential Perturbed Angular Correlations spectroscopy at ISOLDE

Speakers

Artur Wilson Carbonari, Juliana Schell

Location

09:55–10:07

The $^{140}\text{Ce}(n, \gamma)^{141}\text{Ce}$ reaction at n_TOF-EAR1: a litmus test for theoretical stellar models

Speakers

Sergio Cristallo, Cristian Massimi, Alberto Mengoni

Location

10:15–10:27

Nuclear moments and transition probabilities in the vicinity of the doubly magic ^{208}Pb by off-line measurements. The case of ^{210}Pb

Speakers

Georgi Georgiev, Andrew Stuchbery, Joa Ljungvall

Location

10:35–11:00

Coffee break

11:00–11:12

Hyperfine interactions in hydrogenated TiO₂ thin films and powders for photocatalytic reactions**Speaker**

Dmitry Zyabkin

Location

11:20–11:32

Completing the puzzle around the ⁷⁹Se s-process branching with the ⁸⁰Se(n,γ) cross-section measurement**Speakers**

Cesar Domingo Pardo, Luis Caballero Ontanaya, Ariel Esteban Tarifeno Saldivia

Location

11:40–11:52

Commissioning of the i-TED Demonstrator (i-TED2) at CERN n_TOF EAR2**Speakers**

Cesar Domingo Pardo, Luis Caballero Ontanaya, Ariel Esteban Tarifeno Saldivia

Location

12:00–12:12

γ-ray Energy Spectra and Multiplicities and Fission Fragment A and Z distributions from the Neutron-induced Fission of ²³⁹Pu using STEFF**Speakers**

Alastair Gavin Smith, Paul Davies

Location

12:20–13:50

Lunch

13:50–14:02

Probing low-lying states in ¹⁹⁰Pb via lifetime measurements**Speakers**

Janne Pakarinen, Tuomas Grahm

Location

14:10–14:22

Production of phosphorus-vacancy centers in diamond for optical and spin characterization**Speaker**

Ben Green

Location

14:30–14:42

Measurement of the ³⁵Cl(n,γ) cross section at n_TOF EAR1**Speakers**

Ignacio Porras, Tobias James Wright

Location

14:50–15:02

Interaction of Na⁺ ions with DNA G-quadruplex structures studied directly with Na beta-NMR spectroscopy**Speaker**

Magdalena Kowalska

Location

15:10–15:22

Neutron capture on ²⁰⁵Tl: depicting the abundance pattern of lead isotopes in s-process nucleosynthesis**Speakers**

Adria Casanovas Hoste, Ariel Esteban Tarifeno Saldivia

Location

15:30–15:42

Determination of ⁸Li(n,γ) cross section via Coulomb dissociation of ⁹Li**Speaker**

Swapan K. Saha

Location

15:50–16:02

First spectroscopy of the the r-process nucleus ¹³⁵Sn**Speakers**

Thorsten Kröll, Kathrin Wimmer

Location

16:10–16:35

Coffee Break

16:35–16:47

High-precision measurement of the ¹⁸Ne superallowed β-decay Q-value**Speakers**

Martin Eibach, Maxime Mugeot

Location

16:55–17:07

Collinear resonance ionization spectroscopy of RaF molecules**Speakers**

Ronald Fernando Garcia Ruiz, Ruben Pieter De Groote, Shane Wilkins

Location

17:15–17:27

Establishing the deformation characteristics of ⁶⁶Ge**Speaker**

George Genghis O'Neill

Location

17:35–17:47

Neutron single-particle states towards ⁷⁸Ni: ⁸⁰Ga(d,p) ⁸¹Ga**Speakers**

Eda Sahin, Giacomo De Angelis

17:56	Location	
	17:55-17:56	End of Open Session
	Location	