

**Session Program**

**8-9 Feb 2017**

**55th Meeting of the INTC**

***OPEN Session***

CERN, 503/1-001 - Council Chamber

# Wednesday 8 February

08:30

## OPEN Session

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

08:30–08:35 **Introduction**

**Speaker**

Karsten Riisager

08:35–08:50 **ISOLDE report**

**Speakers**

Karl Johnston, Richard Catherall

08:55–09:10 **HIE ISOLDE report**

**Speaker**

Yacine Kadi

09:15–09:30 **n\_TOF Report**

**Speaker**

Daniela Macina

09:35–09:47 **Energy-differential measurement of the  $^{12}\text{C}(n,p)$  reaction**

**Speaker**

Petar Zugec

09:55–10:07

**Emission channeling with short-lived isotopes (EC-SLI) of acceptor dopants in nitride semiconductors**

**Speaker**

Ulrich Wahl

10:15–10:30 **Coffee**

10:30–10:42 **Low-lying structure of neutron-rich  $A=73$  Zn and Ga isobars**

**Speaker**

Cristina Petrone

10:50–11:02

**Shape-coexistence and shape-evolution studies for bismuth isotopes by in-source laser spectroscopy**

**Speaker**

Anatoly Barzakh

11:10–11:22

**Measurement of the  $^{241}\text{Am}(n,\gamma)$  cross section at low energies at EAR2**

**Speakers**

Peter Josee Schillebeeckx, peter schillebeeckx

11:30–11:42

**Measurement of the fission cross-section of  $^{241}\text{Am}$**

**Speaker**

Andrea Tsinganis

11:50–12:02

**Measurement of the  $^{230}\text{Th}(n,f)$  reaction cross-section at EAR-1 and EAR-2 of the CERN n\_TOF facility****Speaker**

Maria Diakaki

12:10–13:10 **Lunch break**

13:10–13:22

**Spectroscopy of  $^{81}\text{Zn}$  populated via one-neutron transfer  $^{80}\text{Zn}(d,p)$  using ACTAR TPC****Speaker**

Mathieu Babo

13:30–13:42

**Shell structure of odd neutron-rich  $^{71}\text{--}^{75}\text{Cu}$  isotopes via one proton transfer reactions****Speaker**

Oleksii Poleshchuk

13:50–14:02

**Towards reliable production of  $^{225}\text{Ac}$  for medical applications: Systematic analysis of the production of Fr, Ra and Ac beams****Speaker**

Kristof Dockx

14:10–14:22

**Proposal for a neutron imaging station at n\_TOF EAR2****Speaker**

Federica Mingrone

14:30–14:42

**Investigating the key rp process reaction  $^{61}\text{Ga}(p,\gamma)^{62}\text{Ge}$  reaction via  $^{61}\text{Zn}(d,p)^{62}\text{Zn}$  transfer****Speaker**

Daniel Doherty

14:50–15:02

**Nuclear-chemical synthesis of iron compounds and their Mössbauer identification****Speaker**

Haraldur Pall Gunnlaugsson

15:10–15:22

**Shape coexistence and N=50 gap: coulex reactions on ground and isomeric states in N=49  $^{79}\text{Zn}$ ,  $^{81}\text{Ge}$  isotones****Speaker**

Andrea Gottardo

15:30–15:42

**Study of the kinetics of complex formation and in vivo stability of novel radiometal-chelate conjugates for applications in nuclear medicine**

**Speaker**

Monika Stachura

15:50–16:10 **Coffee**16:10–16:22 **Local Probing of Ferroic and Multiferroic Compounds****Speaker**

Vitor Bras De Sequeira Amaral

16:30–16:42

**IS528 Novel diagnostic and therapeutic radionuclides for the development of innovative radiopharmaceuticals****Speaker**

Ulli Koester

16:50–17:02

**Laser Spectroscopy of exotic indium ( $Z = 49$ ) isotopes: Approaching the  $N = 50$  and  $N = 82$  neutron numbers****Speaker**

Ronald Fernando Garcia Ruiz

17:10–17:22

**PAC studies of isolated small Cd and Hg molecules: The nuclear quadrupole moments****Speaker**

Heinz Haas

17:30–17:42

**Precision Mass Measurements with ISOLTRAP to Study the Evolution of the  $N=82$  Shell Gap far from Stability****Speaker**

Dinko Atanasov

17:50–18:02 **Electron capture of 8B into highly excited states in 8Be****Speaker**

Olof Tengblad

18:10–18:11 **End of Open Session**

18:30