

## **Session Program**

**5-6 Dec 2019**



# **ISOLDE Workshop and Users meeting 2019**

## ***Poster Session***

CERN, 503/1-001 - Council Chamber

# Thursday 5 December

12:35

## Poster Session

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

12:35-12:36

### Gamma and fast-timing spectroscopy of the doubly-magic nucleus Sn-132

**Speaker**

Mr Jaime Benito

12:36-12:37

### Feasibility of recoil distance lifetime measurements using transfer reactions at T-REX/ISS

**Speaker**

Liam Barber

12:38-12:39

### Structure of beta-decay strength function and quenching of axial-vector weak interaction constant $g(A)$ in halo nuclei and in some neutron rich nuclei

**Speaker**

Dr Igor Izosimov

12:39-12:40

### On the Shape of $^{20}\text{Ne}$ : Solution to Long-Standing Nuclear Conundrum

**Speaker**

Craig Vernon Mehl

12:40-12:41

### Search for new and old magic numbers

**Speaker**

Cebo Ngwetsheni

12:41-12:42

### Study of Shape Coexistence in $^{82}\text{Sr}$

**Speaker**

Senamile Masango

12:42-12:43

### Combined Density Functional Theory and Perturbed Angular Correlation study of $\text{SrMnGe}_2\text{O}_6$ , $\text{SrCoGe}_2\text{O}_6$ and $\text{CaMnGe}_2\text{O}_6$

**Speaker**

Ricardo Manuel Alves Pacheco Moreira

12:43-12:44

### Towards a beta spectrum shape measurement at WISArD

**Speaker**

Simon Vanlangendonck

12:44-12:45

### Laser spectroscopy on germanium isotopes at COLLAPS-CERN

**Speaker**

Mr Anastasios Kanellakopoulos

12:45-12:46

**Reestablishing the photoluminescence lab at ISOLDE: Is there a link between photoluminescence and emission channeling?****Speaker**

Afonso Xavier de Matos Lamelas

12:46-12:47

**Masses of  $^{70}\text{As}$ ,  $^{49,50}\text{Sc}$  and  $^{73}\text{Br}$  isotopes****Speaker**

Ivan Kulikov

12:47-12:48

**The electronic structure calculations of Fe doped monolayer  $\text{MoS}_2$  using density functional theory****Speaker**

Mr AmirAli Vanaki Farahani

12:48-12:49

**GammaMRI: towards high-resolution single photon imaging using highly-polarized gamma-emitting nuclei****Speaker**

Karolina Kulesz

12:49-12:50

**Investigation of the low-energy isomer  $^{229m}\text{Th}$  using the beta decay of  $^{229}\text{Ac}$** **Speaker**

Sandro Fabian Kraemer

12:50-12:51

**Contribution of sources of P,T-violation to permanent electric dipole moments of molecules****Speaker**

Mr Konstantin Gaul

12:51-12:52

**The PUMA experiment at CERN/ISOLDE**

12:52-12:53

**Ultrasensitive  $\beta$ -NMR in chemistry****Speaker**

Mrs K Dziubinska-Kuhn

12:53-12:54

**Study of octupole collectivity in  $^{146}\text{Nd}$  and  $^{148}\text{S}$** **Speaker**

Michalina Komorowska

12:54-12:55

**Development of offline ISOL test facilities at SCK•CEN****Speakers**

Jarno Van de Walle, Kim Rijpstra

14:30