



6th Pre - PAC Workshop for AGATA@LNL

INFN, Laboratori Nazionali di Legnaro
November 18-19, 2024

SCIENTIFIC PROGRAMME

Monday, November 18th, 2024

13:00 - 14:00 **Registration**

14:00 - 15:30 **Session: AGATA at LNL**

14:00 – 14:10 **Welcome from the Director** 10'

14:10 – 14:30 **Status of the campaign** 20'
Speaker: Jose Javier Valiente Dobón

14:30 – 14:50 **Status of the accelerators** 20'
Speaker: Enrico Fagotti

14:50 – 15:10 **EXOTIC status** 20'
Speaker: Sara Pigliapoco

15:10 – 15:30 **Overviews of the Lols for the 6th Pre-PAC** 20'
Speaker: Magda Zielińska

15:30 - 16:00 **Coffee break**

16:00 - 17:20 **Session: LOI 1**

16:00 – 16:20 **Particle- γ correlation studies for the system $^7\text{Be} + ^{208}\text{Pb}$ at near-barrier energies** 20'
Speaker: Marco Mazzocco

16:20 – 16:40 **Isospin mixing in ^{12}C** 20'
Speaker: Luca Zago

- 16:40 – 17:00 **Solving the puzzle of quadrupole strength in ^8Li to benchmark ab initio predictions in few-body systems** 20'
Speaker: Simone Bottoni
- 17:00 – 17.20 **Coulomb excitation of ^{232}Th** 20'
Speaker: Wolfram Korten (via zoom)

20:00 **Dinner** (bus leaving from LNL at 19:30)

Tuesday, November 19th, 2024

10:00 - 11:20 **Session: Lol 2**

- 10:00 – 10.20 **Multiple-Shape Coexistence in the $Z \approx 50$ region: Coulomb-Excitation study of ^{122}Te** 20'
Speaker: Desislava Kalaydjeva (via zoom)
- 10:20 – 10:40 **Using Coulomb Excitation to Test the Multiple Shape-Coexistence Interpretation of ^{112}Cd** 20'
Speaker: Magda Zielińska
- 10:40 – 11.00 **Shape coexistence in ^{52}Cr : lifetime measurement of the 0^+_2 state** 20'
Speaker: Sara Pigliapoco
- 11:00 – 11.20 **γ decay of IAS in ^{71}Ge : a new pathway to Gallium anomaly** 20'
Speaker: Damiano Stramaccioni

11:20 - 11:50 **Coffee break**

11:50 - 13:20 **Session: LOI 3**

- 11:50 – 12.10 **Commissioning the AGATA+EUCLIDES Setup for High-Multiplicity Experiments: Study of ^{132}Ce via the $^{34}\text{S}(^{104}\text{Ru}, \alpha 2n)$ Reaction** 20'
Speaker: Connor Sullivan
- 12:10 – 12.30 **Investigation of the interplay of collective modes in light Tellurium isotopes** 20'
Speaker: Jaime Benito
- 12:30 – 12.50 **Evolution of low-lying E2 collectivity as a function of angular momentum in neutron deficient Te-I-Xe nuclei and the B4/2 conundrum** 20'
Speaker: Bo Cederwall
- 12:50 – 13.00 **Final remarks** 10'
Speakers: Jose Javier Valiente Dobón, Magda Zielińska

13:00 - 14:30 **Lunch**