

# **AGATA Collaboration Meeting 2021**

**Wednesday, 10 November 2021 - Friday, 12 November 2021**

## **Legnaro National Laboratory Programme**

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# Wednesday, 10 November 2021

## AGATA Collaboration Meeting: REPORTS from COMMITTEES (14:30 - 16:15)

-Conveners: Duchêne, Gilbert (IPHC-CNRS-UNISTRA)

time	[id] title	presenter
14:30	[24] Opening	LEONI, Silvia (Milano University and INFN)
14:45	[23] Report from AGATA Steering Committee	SIMPSON, John (STFC Daresbury Laboratory)
15:15	[25] Report from AGATA Management Board	CLEMENT, Emmanuel (GANIL)
15:45	[26] Open science, open data Data Management Plan for AGATA Phase 2	STEZOWSKI, Olivier (IPN Lyon)

## COFFEE BREAK (16:15 - 16:45)

## AGATA Collaboration Meeting: REPORTS from LABORATORIES (16:45 - 18:00)

-Conveners: Gadea Raga, Andres F. (IFIC CSIC-University of Valencia)

time	[id] title	presenter
16:45	[31] AGATA@GANIL Campaign	CLEMENT, Emmanuel (GANIL)
17:15	[32] AGATA@LNL: Future Campaign	VALIENTE DOBON, Jose' Javier (Istituto Nazionale di Fisica Nucleare)
17:45	[33] The EXOTIC beam line at LNL	MAZZOCCO, Marco (PD)

# Thursday, 11 November 2021

## REPORTS on AGATA Experiments: SESSION 1 (09:30 - 10:50)

-Conveners: Peter Reiter

time	[id] title	presenter
09:30	[17] AGATA@GSI (S433): Collectivity in 52Fe revisited with relativistic RIB techniques	HUYUK, Tayfun (IFIC (CSIC - Universidad de Valencia))
09:50	[22] AGATA@GANIL(E708): Evidence of partial seniority conservation in the proton g <sub>9/2</sub> shell for the N=50 isotones	PEREZ-VIDAL, R. (INFN Legnaro)
10:10	[15] AGATA@GANIL(E708) (ONLINE): Evolution of collectivity around N=40: lifetime measurements in 73,75Ga	MILANOVIĆ, Tamara
10:30	[9] AGATA@GANIL(E710): The lifetime of the 7.786 MeV state in 23Mg as a probe for classical novae models	FOUGÈRES, Chloé (GANIL)

## COFFEE BREAK (10:50 - 11:20)

## REPORTS on AGATA Experiments: SESSION 2 (11:20 - 13:00)

-Conveners: Quintana, Begoña (University of Salamanca)

time	[id] title	presenter
11:20	[21] AGATA@GANIL(E693) (ONLINE): Exploration of alpha-cluster structures in heavy nuclei: The unique case of 212Po (208Pb + alpha)	JUNGCLAUS, Andrea (Instituto de Estructura de la Materia, CSIC)
11:40	[10] AGATA@GANIL (E706): Shape evolution in neutron-rich fission fragments in the mass A~100 region (1. Report)	PASQUALATO, Giorgia (IJCLab, IN2P3/CNRS, Université Paris-Saclay, Orsay, France.)
12:00	[13] AGATA@GANIL(E706) (ONLINE): Shape evolution in neutron-rich fission fragments in the mass A~100 region (2. Report)	HEINES, Johannes Sørby (University of Oslo)
12:20	[4] AGATA@GANIL(E676) (ONLINE): Lifetime measurements of excited states in neutron-rich C and O isotopes: a stringent test of the three body forces with the AGATA+PARIS+VAMOS setup	ZILIANI, Sara (Istituto Nazionale di Fisica Nucleare)
12:40	[12] AGATA@GANIL(E699) (ONLINE): Effects of Isospin Symmetry Breaking in the A=63 mirror nuclei	CORTES, Martha Liliana (TU Darmstadt)

## LUNCH (13:30 - 14:30)

## AGATA Collaboration Meeting: SESSION 3 (14:30 - 15:30)

-Conveners: Wimmer, Kathrin (NSCL - MSU)

time	[id] title	presenter
14:30	[19] AGATA@GANIL(E703): Studies of excited states in 102,103Sn to deduce two-body neutron interactions, single-particle energies and N=Z=50 core excitations	PALACZ, Marcin (Heavy Ion Laboratory, University of Warsaw)
14:50	[11] AGATA@GANIL(E731): Isospin Symmetry Breaking and Shape Coexistence in Mirror Nuclei 71Kr - 71Br	ESCUDEIRO, Rafael (Istituto Nazionale di Fisica Nucleare)
15:10	[16] AGATA@GANIL(E730): Shell evolution of neutron-deficient Xe isotopes: Octupole and Quadrupole Correlations above 100Sn	GADEA RAGA, Andres F. (IFIC CSIC-University of Valencia)

## COFFEE BREAK (15:30 - 16:00)

**CLOSED Session: AGATA Collaboration Council (16:00 - 17:30)**

**-Conveners: Leoni, Silvia (Milano University and INFN)**

# Friday, 12 November 2021

## **AGATA Collaboration Meeting: SESSION 4 (09:30 - 10:50)**

-Conveners: Nannini, Adriana (Istituto Nazionale di Fisica Nucleare)

time	[id] title	presenter
09:30	[20] AGATA@GANIL(E744) (ONLINE): Narrow resonances in the continuum of $^{15}\text{F}$	ALCINDOR, Valérian (TU-Darmstadt)
09:50	[18] AGATA@GANIL(E768S) (ONLINE): New measurement of oxygen-15 alpha capture for neutron stars in binary systems	DIGET, Christian Aaen (University of York)
10:10	[30] AGATA@GANIL(E786s): Protons in the sd shells along the N=28 chain: only spectators ?	BRUGNARA, Daniele (Istituto Nazionale di Fisica Nucleare)
10:30	[14] AGATA@GANIL(E775s): Lifetime measurements of excited states in $^{20}\text{O}$ populated by direct nucleon transfer	ZANON, Irene (Istituto Nazionale di Fisica Nucleare)

## **COFFEE BREAK (10:50 - 11:20)**

## **Closing Remarks (11:20 - 12:00)**

-Conveners: Leoni, Silvia (Milano University and INFN)