



# AGATA Collaboration Meeting

Legnaro National Laboratory

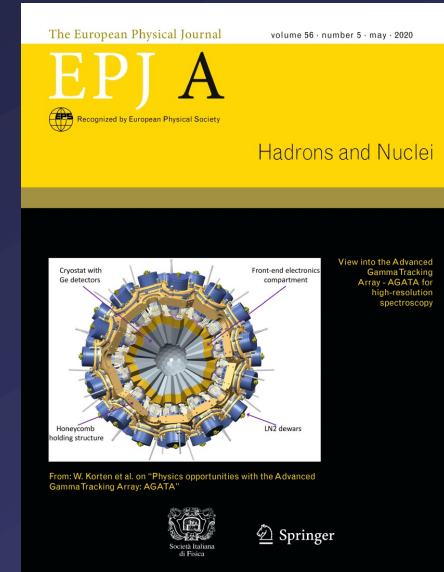
10-12 November 2021

Silvia Leoni (Milan University and INFN)



# AGATA Spokespersons and Chairs AGATA Collaboration Council

- 2021- : Silvia Leoni (Italy)
- 2017-2021: Wolfram Korten (France) → *AGATA Science WHITE Book*
- 2014-2017: Johan Nyberg (Sweden) *Physics Opportunity (EPJA, 2020)*
- 2010-2014: John Simpson (UK)




## AGATA Collaboration Meetings

- 10-12 November 2021, LNL, Legnaro, Italy **10<sup>th</sup> AGATA Collaboration Meeting (from GANIL to LNL ...)**
  - The collaboration meeting 2020, planned to be held at GANIL during the AGATA week in September 2020, was cancelled due to the COVID-19 pandemic.
  - 24-28 June 2019, Orsay, Paris, France
  - 25-29 June 2018, IFIC, Valencia, Spain
  - 26-29 June 2017, GSI, Darmstadt, Germany
  - 30 June - 1 July 2016, San Servolo, Venice, Italy
  - 6-7 July 2015, IPN-Orsay, Paris, France
  - 26 June 2014, GSI, Germany
  - 27 June 2013, Liverpool, UK
  - 27 June 2012, Orsay, France
  - 30 June 2011, Padova, Italy
- Meeting usually held together  
with a workshop on nuclear structure physics***
- NUSPIN (2016-2019), (EGAN 2011-2014),  
AGATA inauguration at LNL (2009)***
- future meetings together with Pre-PAC Meetings?***


# Official AGATA web page: <https://www.agata.org>

## Johan Nyberg, J. Simpson



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### The Advanced GAMMA Tracking Array (AGATA) is a European gamma-ray spectrometer used for nuclear structure studies. Click [about](#) for further information.

### News

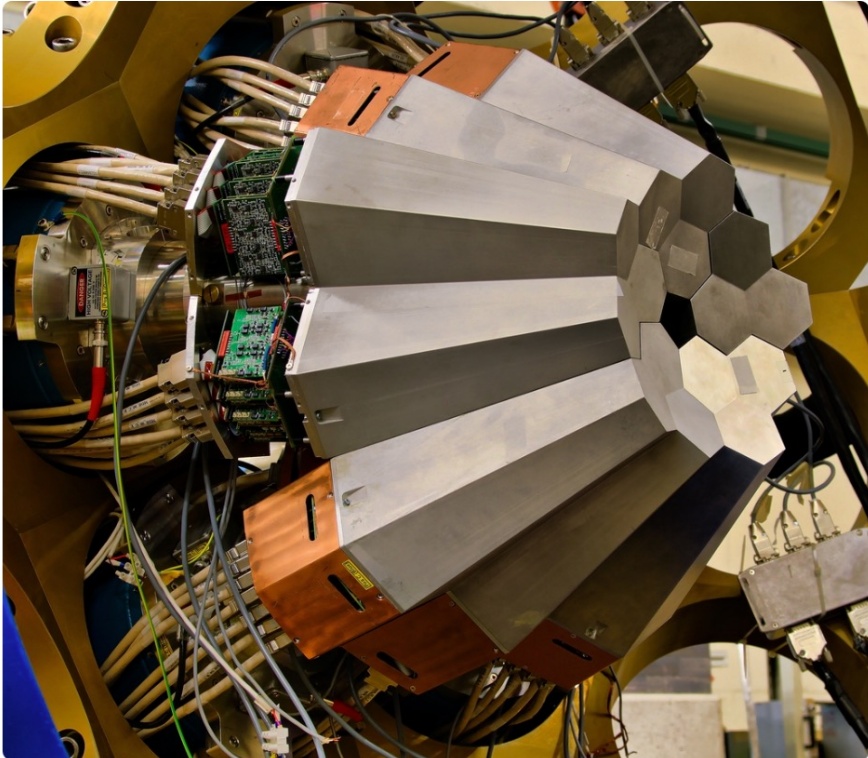
#### AGATA Collaboration Meeting 2021

The meeting will be held at LNL in Italy, November 10-12, 2021.  
[Read more](#)

#### AGATA@LNL Pre-PAC Workshop

The workshop will be held at LNL in Italy, November 8-10, 2021.  
[Read more](#)

## AGATA Home Page



The AGATA Demonstrator Array with 15 HPGe crystals mounted in front of the PRISMA

### Recent Publications

Complete set of bound negative-parity states in the neutron-rich nucleus  $^{18}\text{N}$

Lifetime measurements in the even-even  $^{102-108}\text{Cd}$  isotopes

Evidence for enhanced neutron-proton correlations from the level structure of the  $N=Z+1$  nucleus  $^{87}_{43}\text{Tc}_{44}$

A Development of a 40-Gb/s Readout Interface STARE for the AGATA Project

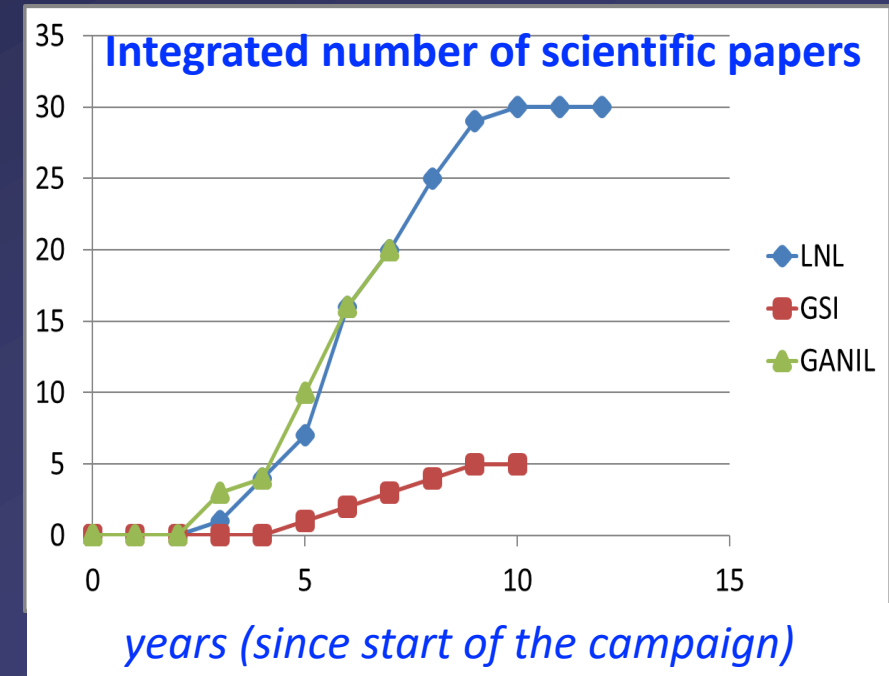
Full-volume characterization of an AGATA segmented HPGe gamma-ray detector using a  $^{152}\text{Eu}$  source

Gamma spectroscopy with AGATA in its first phases: New insights in nuclear excitations along the nuclear [chart](#)



# PROGRAM of the AGATA collaboration meeting

- **Status of AGATA** (Reports from Chair of ASC, AMB, ...)
- **Reports on experimental campaigns** (Local Project manager: GANIL and LNL)
- **Status AGATA analyses** (unpublished experiments)  
5 years of data control of Spokesperson
  - *possible motivated extension*
  - *Later, data available within the community*
- **CLOSED session AGATA Collaboration Council (ACC)**  
*representatives from Institutions collaboration  
under AGATA projects  
advising the AGATA Steering Committee  
on scientific matters ( 41 members from 13 countries)*



10-nov		Wednesday		11-nov		Thursday		12-nov		Friday			
9:00-13:00 <b>AGATA PRE-PAC</b>				Chair: P. Reiter				Chair: A. Nannini					
				9.30-9.50		Tayfun Huyuk (IFIC (CSIC - Universidad de Valencia)): AGATA@GSI -S433 Collectivity in 52Fe revisited with relativistic RIB techniques		9.30-9.50		ONLINE Valérián Alcindor (TU-Darmstadt): Report on the AGATA@GANIL experiment E744			
				9.50-10.10		Rosa Perez-Vidal (LNL/CSIC-Universitat de València,Spain): Report on the AGATA@GANIL experiment E708		9.50-10.10		ONLINE Christian Aaen Diget (University of York): Report on the AGATA@GANIL experiment E768			
				10.10-10.30		ONLINE Tamara Milanović ("Vinča" Institute of Nuclear Sciences, National Institute of the Republic of Serbia): Report on the AGATA@GANIL experiment E682		10.10-10.30		Daniele Brugnara (LNL): Report on the AGATA@GANIL experiment E786S			
				10.30-10.50		Chloé Fougères (GANIL): Report on the AGATA@GANIL experiment E710		10.30-10.50		Irene Zanon (LNL): Report on the AGATA@GANIL experiment E775S			
				10.50-11:20		COFFEE BREAK		10.50-11:20		COFFEE BREAK			
						Chair: B. Quintana							
						11.20-11.40		ONLINE Andrea Jungclaus (Instituto de Estructura de la Materia, CSIC,Spain): Report on the AGATA@GANIL experiment E693		11.20		CLOSING REMARKS	
		11.40-12.00		Giorgia Pasqualato (IJCLab, IN2P3/CNRS, Université Paris-Saclay): Report on the AGATA@GANIL experiment E706 FIRST									
		12.00-12.20		ONLINE Johannes Heines (University of Oslo): Report on the AGATA@GANIL experiment E706 SECOND									
13.00-14.30		LUNCH		12.20-12.40		ONLINE Sara Ziliani ("University of Milan and INFN): Report on the AGATA@GANIL experiment E676							
				12.40-13.00		ONLINE Martha Liliana Cortes (TU Darmstadt): Report on the AGATA@GANIL experiment E699							
<b>AGATA Collaboration Meeting</b>													
Chair: G. Duchene				13.30-14.30		LUNCH				<b>16 Reports:</b>  <b>15 from AGATA@GANIL</b>  (2015-2020, total of 26 exp.)  <b>1 from AGATA@GSI</b>			
14.30-14.45		S. Leoni: INTRODUCTION		Chair: K. Wimmer									
14.45-15.15		J. Simpson: ASC Report		4.30-14.50		Marcin Palacz (Heavy Ion Laboratory, University of Warsaw): Report on the AGATA@GANIL experiment E703							
15.15-15.45		E. Clement: AMB Report		4.50-15.10		Rafael Escudeiro (University of Padova/ University of Sao Paulo): Report on the AGATA@GANIL experiment E731							
15.45-16.15		O. Stezowski: DATA Management		5.10-15.30		Andres Gadea (IFIC, CSIC-University of Valencia): Report on the AGATA@GANIL experiment E730							
16.15-16.45		COFFEE BREAK											
Chair: A. Gadea				5.50-16.00		COFFEE BREAK							
16.45-17.15		E. Clement: Report AGATA@GANIL											
17.15-17.45		J. Valiente-Dobon: AGATA@LNL		6.00-17.30		ACC CLOSED Meeting							
17.45-18.00		M. Mazzocco: the EXOTIC beam line											