

AGATA proposals

PAC Approved July 2011 Period September 2011 to February 2012

Spokespersons Primary Contact	Title	Setup	Days Approved	Date of experiment	Approval for data to:
J.Ollier P.-A.Soderstrom P.H.Regan J.Simpson J. Nyberg	Collectivity at maximum nucleon valency: Investigation of ground-state rotation in the neutron-rich Dy, Er and Yb nuclei	PRISMA+ DANTE	5	5-10 October 2011	31/12/13
P. Reiter	Spectroscopy of neutron rich Th and U nuclei after multi- nucleon reactions	PRISMA+ DANTE	8	12-19 October 2011	31/12/13
M.Kmiecik F.C.L.Crespi	Study of high-lying bound and unbound states in ^{124}Sn and ^{140}Ce via inelastic scattering of ^{17}O ions	HECTOR + TRACE	8	13-20 December 2011	31/12/13
V. Modamio Zs. Podolyak C. Wheldon W. Korten	Delayed shape transition in ^{196}Os	PRISMA	7	3-9 November 2011	31/12/13

PAC Approved March 2011 Period April 2011 to July 2011

Spokespersons Primary Contact	Title	Setup	Days Approved	Date of experiment	Approval for data to:
J.F Smith	Characterization of new structures in octupole-deformed radium and thorium nuclei	AGATA only	5	17-21 March 2011	30/6/13
Montanari	Near and sub-barrier transfer reactions in $60\text{Ni}+118\text{Sn}$	PRISMA	8	6-10 April 2011	30/6/13
A Giaz F. Camera	Isospin mixing in N=Z nucleus ^{80}Zr at medium temperature	HECTOR	9	11-20 May 2011	30/6/13

Test experiments due to availability of Tandem only beam.

[F.Haas](#) et al, Lifetime measurements with the AGATA Demonstrator at LNL

(2 days, 13-14 March 2011)

[F.Crespi](#), Response of AGATA to high-energy gamma rays (3 days AGATA only, 30 Nov- 2 Dec 2010)

[P.G.Bizzeti](#), Polarization capabilities of AGATA (1 day AGATA, 5 Dec 2010)

[A. Atac](#), A. Atac ^{252}Cf source measurement.

[P.G.Bizzeti](#), Quantum Entanglement (22Na source measurement, 23 Dec 2011- 8 Jan 2012)

PAC Approved July 2010 Period October 2010 to March 2011

Spokespersons Primary Contact	Title	Setup	Days Approved	Date of experiment	Approval for data to:
Verney – Duchene – de Angelis	Structure beyond the N=50 shell closure in neutron-rich nuclei in the vicinity of ^{78}Ni : The case of N=51 nuclei	PRISMA + plunger	10	11-20 November 2011 Scheduled	31/12/12
Chapman – Haas	Lifetimes of intruder states in N ~ 20 sd-pf-shell neutron-rich nuclei	PRISMA + plunger	8	09-16 Jun 2011	31/12/12
Gadea	RDDS lifetime measurement in the region of the neutron-rich doubly magic ^{132}Sn : Lifetime of the 6+ state in ^{136}Te .	PRISMA + plunger	8	24 Jul 2011- 03 Aug 2011 26-30 October 2011 Scheduled	31/12/12

Merchan – Ur – Marginean	Development of the nuclear structure of neutron-rich isotopes in the $Z \gg 38$ region populated by heavy-ion induced fission	PRISMA + LaBr3	10	09-20 Jul 2011 21-23 October 2011 Scheduled	31/12/12
Wheldon	Confirmation of the molecular structure of excited bands in ^{21}Ne	TRACE	5	25-30 Mar 2011	31/12/12
			41		

PAC Approved February 2010

Period April 2010 to July 2010

Spokespersons Primary Contact	Title	Setup	Days Approved	Date of experiment	Approval for data to:
Valeria Vandone Silvia Leoni	Order-to-chaos transition in warm rotating ^{174}W nuclei	HELENA	7	July 13-19, 2010	31/12/12
Valiente Dobon Jose Javier	lifetime measurements of the neutron-rich Cr isotopes	PRISMA + plunger	5	June 22-26, 2010	31/12/12
Zsolt Podolyak	Neutron-rich nuclei in the vicinity of ^{208}Pb	PRISMA + DANTE	5	May 12-18, 2010	31/12/12
Eda Sahin – Maria Doncel –	Lifetime measurement in neutron-rich Ni, Cu, and Zn	PRISMA +	10	June 10-19, 2010	31/12/12

Andreas Goergen	isotopes	plunger			
Roberto Menegazzo – Calin Ur	Lifetime measurement of the 6.792 MeV state in ^{150}O	PRISMA + plunger	7	July 25 – August 1, 2010	31/12/12
		TOTAL	34		

PAC Approved July 2009 Period September 2009 to February 2010

Spokespersons Primary Contact	Title	Setup	Days Approved	Date of experiment	Approval for data to:
Adam Maj , Pawel Napiorkowski, Faisal Azaiez	Coulomb excitation of the presumably superdeformed band in ^{42}Ca	DANTE	6	February 18-23, 2010	31/12/12
Leske Joerg	Precision lifetime study in the neutron-rich $N=84$ isotone ^{140}Ba from DSAM measurements following Coulomb-barrier alpha-transfer reactions on a ^{136}Xe	Si-detector	3	September 30 – October 2 2011	
Roberto Nicolini Angela Bracco	Inelastic scattering as a tool to search for highly excited states up to the region of the Giant Quadrupole Resonance	HELENA+TRACE	8	May 12-16, 2010	31/12/12

		TOTAL	17		
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