



20th AGATA Week
4th Position Sensitive Germanium Detectors and applications Workshop
INFN-Laboratori Nazionali di Legnaro, Legnaro (Padova), Italy
16th – 19th September 2019

~ PROGRAMME ~

14:00 *Start of the PSeGe Workshop*

14:00 – 14:30 *PSeGe Workshop Registration*

16/09/2019 Monday Afternoon

14:30 **PSeGe Workshop Welcome and Presentation**

14:55 **New technologies on passivation and segmentation**

25'+10' "Segmentation of PLM contacts in HPGe detectors"
W. Raniero, INFN

20'+10' HPGe Detectors Manufacturing for Ultra Low Background Applications
V. Gostillo, Baltic Scientific Instruments Ltd.

16:00 -16:30 *Coffee Break*

R&D on segmented p-type coaxial detectors

25'+10' "n-type heavy doping of Ge by Sb deposition and pulsed laser melting (PLM)"
C. Carraro (Uni. Padova & INFN)

25'+10' "Preliminary comparison of simulated and measured signals from segmented detectors"
S. Bertoldo (IFIC-CSIC & INFN)

Discussion

Tuesday September 17th

17/09/2019 Tuesday Morning

9:00	R&D on novel Ge-detector geometries for ultimate position resolution and efficiency
25'+5'	Results obtained with the quasi-planar prototype I.Kojouharov, GSI Darmstadt
	Demonstration of imaging applications and associated detector technologies
25'+5'	"Pulse-Shape Analysis and position resolution in highly segmented HPGe AGATA detectors". P.Reiter / L. Lewandowski IKP-Cologne
25'+5'	"New encapsulation technique for MINIBALL" P.Reiter IKP-Cologne

10:30 -11:00

Coffee Break

25'+5'	Imaging with planar germanium detectors A. Caffrey, Uni. Liverpool
25'+5'	Cryogenic detector systems: recent work, M. Borri, STFC Daresbury Laboratory
25'+5'	Versatile acquisition systems for segmented detectors: CAEN case history P. Garosi CAEN
	Discussion

13:00 - 14:15

AGATA week Registration

13:15 -14:15

Lunch break

17/09/2019 Tuesday Afternoon

14:15	Welcome to the 20 th AGATA Week D.Bettoni, Director of INFN-LNL , M. Mezzetto, Director of INFN Sezione di Padova
20'+5'	Status of the AGATA project, A.Gadea, IFIC-Valencia
20'+5'	AGATA ASC Report, P.Reiter, IKP-Cologne
20'+5'	AGATA at LNL: The Coming Campaign, J.J. Valiente-Dobón, INFN – LNL Padova
20'+5'	AGATA at GANIL status report, E.Clement / S. Leblond, GANIL Caen

16:00 -16:30

Coffee Break

16:30	Detector Module Session
20'	"IPHC detector laboratory activity and scanning table upgrade" M-H. Sigward IPHC Strasbourg
20'	"Report from the IRFU Saclay test laboratory" M. Zielinska, IRFU CEA Saclay
20'	"Status of AGATA detectors and cryostat" H. Hess IKP-Cologne
20'	Recent activity and status update at Uni. Liverpool, D. Judson, Uni. Liverpool
20'	"New digital detector test bench at IKP Cologne" R. Hirsch, IKP-Cologne

Workshop Dinner

Wednesday September 18th

18/09/2019 Wednesday Morning	
9:00	Infrastructure Session
20'	Mechanics: Project for AGATA LNL A. Grant/I. Burrows, STFC Daresbury
20'	Infrastructure Status and Upgrade R. Menegazzo, INFN Padova
20'	Infrastructure: Autofill Upgrade for LNL T. Joannem, IRFU, Saclay
20'	User friendly interface for the AGATA Data Base: C, Aufranc IPN-Lyon
10:30 -11:00 Coffee Break	
11:00 Combined Session Data Flow W.G and Front-End Electronics W.G	
30'	Status of DCO and the latest upgrade E. Legay et al., CSNSM Orsay
30'	DAQ developments for the Phase 2 E. Legay et al, CSNSM Orsay
30'	Current & future infrastructure at LNL J. Jaccob, P. Le Jeannic, CSNSM Orsay
5'	Electronics: status and maintenance I.Lazarus, STFC / A.Gadea, IFIC
15'	Introduction to the Phase 2 electronics V.Gonzalez, ETSE - Uni. Valencia
15'	Digitizer DIGIOPT12 Status A.Pullia, INFN & Uni. Milano
13:15 -14:15 Lunch break	
18/09/2019 Wednesday Afternoon	
14:15	Combined Session Data Flow W.G and Front-End Electronics W.G
15'	The IDM and PACE status and concept J.Collado , IFIC & ETSE - Uni. Valencia
15'	The STARE status and concept G. Vinther-Jorgensen, CSNSM - Orsay
15'	Summary of the Proof-of-concept N.Karkour, CSNSM - Orsay
15'	The Firmware status and concept L.Charles, IPHC-Strasbourg
15'	The SMART status and concept G.Wittwer, GANIL Caen
15'	The monitoring / inspection concept M. Kogimtzis, STFC Daresbury
16:00 -16:30 Coffee Break	
16:30	PSA and Characterization W.G.
20'	Liverpool characterisation Laboratory A. Boston, Uni. Of Liverpool
20'	AGATA detector PSCS simulations & first 2D scan with 152Eu B. De Canditiis, IPHC Strasbourg
20'	Self-calibration of γ -ray tracking arrays M. Petri, Uni. Of York
20'	Error Estimates for Pulse shape analysis M. Siciliano CEA Saclay
20'	Machine learning approaches for PSA – F. Holloway Uni. Of Liverpool
10'	AGATA PSA status report A. Boston, Uni. Of Liverpool (UoL)

Parallel Session Wednesday Morning	
9:00	

Parallel Session Wednesday Morning	
11:00	

Parallel Session Wednesday Afternoon	
14:15	Installation at LNL session
	LNL Users Department E. Fioretto, INFN-LNL
	LNL DAQ Infrastructures M. Gulmini, INFN-LNL
	LNL General Tecnical Department: upgrade Computing Room P.Favaron, INFN-LNL
	PD Project Design Office: Project for AGATA and DSS installation at LNL N. Bez, INFN Padova

Parallel Session Wednesday Afternoon	
16:30	Infrastructure and Detector Module Parallel Session
	further discussion about mechanics
	further discussion about infrastructure

Thursday September 19th

19/09/2019 Thursday Morning

9:00	Complementary Detectors Session
5'	Introduction J.J. Valiente-Dobon INFN-LNL
20'	MUGAST at GANIL, M. Assie , IPN-Orsay
20'	PRISMA L.Corradi/ E. Fioretto INFN-LNL
20'	GRIT@LNL, D. Mengoni (tbc) INFN-Padova
20'	NEDA, A. Goasduff, INFN-Padova

10:30 -11:00 Coffee Break

11:00 Complementary Detectors Session

20'	SPIDER, A.Nannini INFN-Firenze
20'	EUCLIDES D.Testov/M.L.Cortes INFN-Padova
20'	RFD, P.Bednarczyk (tbc) IFJ-PAN Cracow
20'	e-Conversion Detector, N.Marchini INFN-Firenze
20'	Cryogenic target, A.Gottardo INFN-LNL
15'	Coupling with AGATA@LNL A.Gadea IFIC
20'	XDAQ A.Goasduff INFN-Padova

13:15 -14:15 Lunch break

19/09/2019 Thursday Afternoon

14:15	Data Analysis, tracking W.G. Introduction : A. Korichi CSNSM Orsay
20'	Tracking : status and perspectives A. Lopez-Martens CSNSM Orsay
20'	Status of data analysis O. Stézowski, IPN Lyon
20'	GRETINA data processing in AGATA O. Stézowski, IPN Lyon
20'	Results using machine learning in NEDA O. Stézowski, IPN Lyon
20'	Status of the AGATA data re-processing : J. Dudouet, IPN-Lyon

16:00 -16:30 Coffee Break

16:30 Performance, Commissioning & Simulation Session

15'	Performance Report J. Ljungvall, CSNSM Orsay
15'	How well AGATA performed in 2018-2019 E. Clement / S. Leblond, GANIL, Caen
15'	Efforts on angular distributions, correlations, and polarization S. Leblond, GANIL Caen
15'	Commissioning Team Report P. John TU-Darmstadt
15'	Commissioning and Performance of AGATA+MUGAST+VAMOS M. Assié, IPN-Orsay
20'	Mugast-Commissioning Analysis Report A. Raggio, INFN-Padova
20'	Simulations Team Report M. Labiche, STFC Daresbury

Parallel Session Thursday Morning

9:00	Combined Session Data Flow W.G and Front-End Electronics W.G
	AGATA DAQ and Electronics at LNL
	Discussion on the Phase 2 electronics status and schedule
	SMART Synchronization & trigger system

Parallel Session Thursday Morning

11:00	PSA Parallel session / PSA at LNL

Parallel Session Thursday Afternoon

14:15	Combined Session Data Flow W.G and Front-End Electronics W.G
	AGATA DAQ and Electronics at LNL
	Discussion on the status of the electronics and the maintenance activities
	Presentation and discussion on the installation at LNL
	Replacement programme for the early Phase0 electronics
	Presentation and discussion on the planning for the coming years

Parallel Session Thursday Afternoon

16:30	