



AGATA week 2023 16th-20th October

INFN Laboratori Nazionali di Legnaro

Viale dell'Università, 2 – 35020- Legnaro (PD) – Italia

Secretary :

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Monday 16th October -Arrival

Morning : Arrival

Lunch

13h00 – 14h00 : Registration

14h00 – 14h15 : Introduction by the LNL local team (LNL Director)

Session 1 14h15 – 16h15 Detector (H. Hess)

- 14h15 – 14h30 Overview of the AGATA Triple Cryostats and Detectors (H. Hess)
- 14h30 – 14h45 Status of the AGATA capsules (M. Zielinska)
- 14h45 – 15h00 Status of the AGATA cryostats (W. Raniero)
- 15h00 – 15h15 Detector activities at the Saclay lab (M. Zielinska)
- 15h15 – 15h30 Status of IPHC detector lab (M. H. Sigward)
- 15h30 – 15h45 New technologies for the fabrication of High Purity Germanium segmented detectors (S. Bertoldo)
- 15h45 – 16h15 Report on the ORTEC AGATA – Prototype (D. Judson)

Coffee 16h15 – 16h45

Session 2 16h45-18h45 Out Reached

- 16h45 – 17h15 Updates on the FAIR campaign (M. Gorska)
- 17h15 – 17h45 Updates on SPES (T. Marchi)
- 17h45 – 18h15 Updates on Tandem-ALPI-PIAVE (E. Fagotti)
- 18h15 – 18h45 Ancillaries at LNL : (A. Goasduff)

Tuesday 17th October

Session 3 9h00 – 13h00 PSA R&D and characterization 1 (A. Boston)

- 9h00 – 9h10 Introduction to session (L. J. Harkness/A.Boston)
- 9h10 – 9h25 The reference PSA dataset (J.Dudouet)
- 9h25 – 9h50 Multiple hit algorithm implementation and performance (F. Holloway)
- 9h50 – 10h15 Development of self-calibration techniques for γ -ray energy-tracking arrays (S. Chen)

Coffee 10h15 – 10h45

Session 3 10h45 – 13h00 PSA R&D and characterization 2 (A. Boston)

- 10h45 – 11h00 Scanning tables and characterization (D.Judson)
- 11h00 – 11h15 Scans at IPHC - S001 and A005 introductory talk (G. Duchene)
- 11h15 – 11h35 Scan XYTemp of S001 - Preliminary result (A. Corbel)
- 11h35 – 11h55 Scanning across a thin trapping area in S001 (G. Duchene)
- 11h55 – 12h15 Non active front area in the segmented AGATA detectors - Case of A005 (M. H. Sigward)
- 12h15 – 12h30 Neutron damage correction results and plans for the future (C. Everett)
- 12h30 – 12h50 Tracking news (A. Lopez-Martens)
- 12h50 – 13h00 Open discussion

Lunch 13h – 14h

Session 4 14h00 – 16h00 Front End electronic1 (A.Gadea)

- 14h00 – 14h10 Introduction and Schedule (I.Lazarus/A.Gadea)
- 14h10 – 14h35 Digitizers (DIGOPT12) Status and advancements on V.3.7 (A. Pullia/S.Capra)
- 14h35 – 15h05 PACE Hardware and Firmware Status (J. Collado)
- 15h05 – 15h35 STARE Hardware and RUDP Firmware Status (N. Karkour)
- 15h35 – 16h00 Mechanics and Power supply Status (V. Gonzalez)

Coffee 16h00 – 16h30

Session 5 16h30-18h00 Front End electronics 2 (A.Gadea)

- 16h30 – 16h55 Status of the optimization of the Energy processing (M. Kogimtzis)
- 16h55 – 17h15 Status of the SMART development (G. Wittwer)
- 17h15 – 17h30 Planning the Digital Pre-amplifier R&D: Cryogenic Pre-amplifiers (S.Capra)
- 17h30 – 17h45 Planning the Digital Pre-amplifier R&D: Low power ADC board (V.Gonzalez)
- 17h45 – 18h00 Planning the Digital Pre-amplifier R&D: EMC and connections (N.Karkour)

Wednesday 18th October

Session 6 9h00-10h25 Data Acquisition 1 (O.Stézowski)

- 09h00 – 09h10 Introduction (O.Stézowski)
- 09h10 – 09h30 AGATA DAQ, local computing & network infrastructure (M.Gulmini) TBC
- 09h30 – 09h50 AGATA DAQ Infrastructure (P. Le Jeannic)
- 09h50 – 10h10 Developments of the analysis of AGATA and ancillary data for AGATA@LNL (D.Brugnara)
- 10h10 – 10h25 Data Analysis & Reprocessing status (J.Dudouet)

Coffee 10h25 – 10h50

Session 7 10h50-13h Data Acquisition 2 (O.Stézowski)

- 10h50 – 11h10 Instrumenting PSA and possible optimizations (V. Lafage) REMOTE
- 11h10 – 11h30 V2 electronic integration, the new data pipeline (O.Stézowski)
- 11h30 – 11h50 Slow Control Software (Ch. Bonnin)
- 11h50 – 12h10 Processing : status and developments (G. Baulieu)
- 12h10 – 12h30 News on Open Data and Open Science Path : (O.Stézowski)

Lunch 13h – 14h

14h00 – 17h00 Parallel session – Team meetings

14h00 – 17h00 ASC meeting in Rostagni meeting room at LNL

Coffee 15h30 – 16h00

20h30 --- AGATA week Dinner

Thursday 19th October

Session 8 9h00 – 10h15 Infrastructure (B. Million)

- 9h00 – 9h20 DSS: *R. Menegazzo*
- 9h20 – 9h35 Mechanics Phase2: *R. Smith*
- 9h35 – 10h05 From AGATA at PRISMA towards AGATA at 0° (tbc)
- 10h05 – 10h15 Discussion

Coffee 10h15 – 10h45

Session 9 10h45-12h15 Performances and commissioning (M. Labiche)

AGATA Simulations

- 10h45 – 10h56 AGATA Simulations (M. Labiche)

AGATA Performances

- 10h56 – 11h07 Introduction (R.Perez)
- 11h07 – 11h18 Performance status of AGATA (F. Angelini)
- 11h18 – 11h29 Angular distributions and correlations status (J. Ljungvall)
- 11h29 – 11h40 Efficiency measurements at high energy (M. Balogh)

AGATA Commissioning

- 11h40 – 11h51 Commissioning I: AGATA+PRISMA (E. Pilotto)
- 11h51 – 12h02 Commissioning II: AGATA+SPIDER+DANTE (N. Marchini)
- 12h02 – 12h13 Commissioning III: AGATA+PRISMA+Reverse Plunger (J. Pellumaj)

Session 10 12:15h-13:15h AMB report

- 12h15 – 12h45 AGATA Project (Emmanuel Clément)
- 12h45 – 13h15 LNL Physics Campaign (Jose Javier Valiente Dobon)

Lunch 13h – 14h

ACC meeting

14h00-16h ACC 1

- ASC – update – Angela B.
- Contributions

Coffee 16h00 – 16h30

16h30-18h00 ACC2

- ACC close session

Friday 20th October

9h00-12h ACC3

- Contributions