



AGATA week 2022 7th-9th June

INFN Laboratori Nazionali di Legnaro

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

Monday 6th June -Arrival

Tuesday 7th June

9h00-9h15 : Introduction by the LNL local team (LNL Director)

Session 1 9h15 – 11h00 Detector (H. Hess)

- 9h15-9h30 Herbert Hess : Overview of the AGATA Triple Cryostats and Detectors
- 9h30-9h45: Magda Zielinska: Status of the AGATA capsules
- 9h45-10h00: Marie-Helen Sigward: Status of the AGATA cryostats
- 10h00-10h15: Dan Judson: Status update from Liverpool
- 10h15-10h30: Rainer Abels: Latest R & D on ATCs
- 10h30-10h45: Stefano Bertoldo: Laser processes for innovative HPGe coaxial detectors
- Discussion on the Detector activity

Coffee

Session 2 11h30-13h30 Out Reached (FAIR, Ancillary detectors,)

- 11h30 – 12h00 Preparing the FAIR campaign (K. Wimmer)
- 12h00 – 12h30 Ancillaries at LNL : A. Goasduff
- 12h30 - 13h00 IMATRA – A. Gadea
- 13h00 – 13h30 Discussion on IMATRA

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Session 3 14h30 – 17h10 PSA R&D and characterization (A. Boston)

- 14h30 – 15h15 « PSA Algorithm »: L. J. Harkness
 - Neutron damage investigation of A009 (15 min) by C. Everett
 - High-Fold PSA status report (20 min) by F. Holloway
 - Performance of the SIGMA detector (10 min) by A. Alharbi/A. Boston
- 15h15 – 16h20 « Scanning table and characterization »: A. Boston
 - Scan of S001 abnormal trapping study (20 min) by G. Duchene
 - Characterization of A005 using SALSA (15 min) by B. Quintana Arnés
 - Machine Learning applied to Strasbourg scanning table data (15 min) (J. Dudouet)
 - Self-calibration of AGATA detectors (15 min) (S. Chen)
- 16h20 – 17h10 « Tracking Algorithm » : A. Lopez-Martens
 - Compton camera capabilities of AGATA (20 min), (M. Abushawish)
 - Gamma-ray tracking with graph neural networks (15 min) (M. Andersson remote)
 - Discussion on PSA and Tracking Developments

Wednesday 8th June

Session 4 9h30 – 11h30 Front End electronic1 (A.Gadea)

- 9h30 – 10h00 Digitizers (DIGOPT12) Status (A. Pullia)
- 10h00 – 10h30 PACE Hardware Status (J. Collado)
- 10h30 – 11h00 STARE Status (N. Karkour)
- 11h00 – 11h30 SMART Status (G. Wittwer)

Coffee

Session 5 11h30-13h00 Front End electronics 2

- 11h30 – 12h00 CAP firmware (J. Collado)
- 12h00 - 12h30 Mechanics and Power supply (V. Gonzalez) ²
- 12h30 – 12h45 Planning the optimization of the Energy processing (M. Kogimtzis)
- 12h45 – 13h00 Future perspectives of digital readout (Carlo Tintori, CAEN)

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Session 6 14h00-15h00 Data Acquisition 1

- 14h00 – 14h10 Introduction : *O.Stézowski / IP2I*
- 14h10 – 14h30 AGATA DAQ, local computing & network infrastructure : *M.Gulmini / LNL*
- 14h30 – 14h45 AGATA DAQ Infrastructure : *P. Le Jeannic / IJCLab*
- 14h45 – 15h00 Run control for the LNL campaign : *A. Goasduff / LNL*

Session 7 15h-17h Data Acquisition 2

- 15h00 – 15h20 Data Analysis & Reprocessing status : *J.Dudouet / IP2I*
- 15h20 – 15h40 AGATA box : LNL and V2 electronic integration : *S.Elloumi (remote) / IJCLab + O.Stézowski / IP2I*
- 15h40 – 16h00 Instrumenting PSA and possible optimizations : *V. Lafage / IJCLab (remote)*
- 16h00 – 16h20 PSA cache-misses and precision analysis with CADNIA : *R.Molina / IJCLab (remote)*
- 16h20 – 16h40 Ingredients for more advanced future processing : *G. Baulieu / IP2I*
- 16h40 – 17h00 DMP, Open Data and Open Science Path : *O.Stézowski / IP2I*

Thursday 9th June

Session 8 9h00 – 11h00 Infrastructure (B. Million)

- 9h00 – 9h25 DSS: *R. Menegazzo*
- 9h25 – 9h40 Autofill Control: *T. Joannem (remote)*
- 9h40 – 10h10 Mechanics Phase2: *R. Smith*
- 10h10 – 10h30 From AGATA at PRISMA towards AGATA at 0°: *N. Bez*
- 10h30 – 10h40 EMC verification : *N. Karkour*
- 10h40 – 11h00 AGATA Array Database: *C. Aufranc*

coffee

Session 9 11h30-13h00 Performances and commissioning (M. Labiche)

- 11h30 – 12h00 « AGATA Performances »
 - “Introduction and new ideas” J Ljungvall (10mn)
 - “Tracking of low energy gamma” E. Clement (15mn)
- 12h00 – 12h40 « AGATA Commissioning »
 - "Preliminary results from the commissioning" Daniele Brugnara (20mn)
 - "Performance status of AGATA detectors at LNL" Rosa Perez (20mn)
- 12h40 – 13h00 « AGATA Simulation »
 - “Code status on recent development” M. Labiche (~ 20mn)

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Session 10 14:00h-15:00h

- 14h00 – 14h30 AGATA Project (Emmanuel Clément)
- 14h30 – 15h00 LNL Physics Campaign (Jose Javier Valiente Dobon)

15h30 The Celebration of 10(+2) years of Science Activities of AGATA

Parallele Meetings :

Wednesday 8th at 11:30 (after coffee break) DB team meeting (**sala FORTUNA - Direzione**)

Thursday 9th Morning : FEBEE- Phase 2 meeting (**sala Rostagni**)