

AGATA: Task 11 – Exploitation

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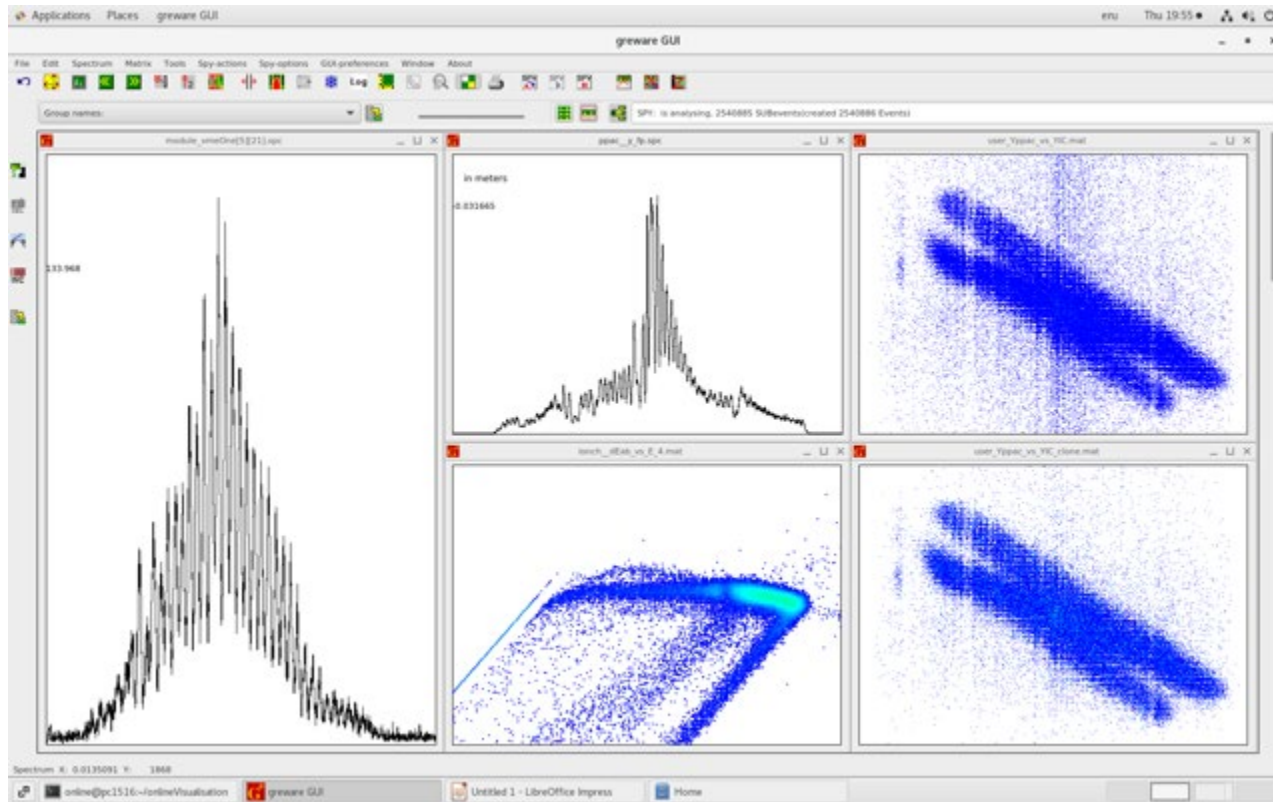
INFN - MI

In collaboration, with A. Goasduff, R. Perez, J. Dudouet

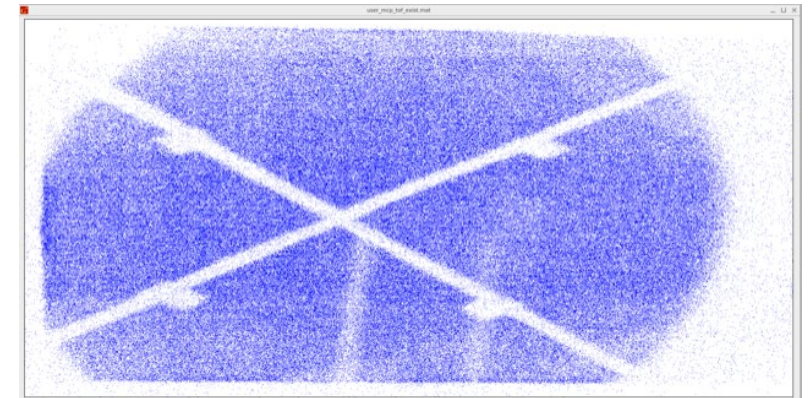
General ideas for measurement running

- **AGATA data** spied locally with AgaSpy. Check detector by detector
- **PRISMA data** spied and «sorted» locally (E- Δ E, A/q matrices) : Geware software
- **Ancillary data** spied and «sorted» locally from GGP by Geware (or TkT)
- **Merged data**: on line or near line ? Maybe better near line to keep the high-level data check (reaction channel of interest) from detector monitoring (on-line)

Example of spying for PRISMA



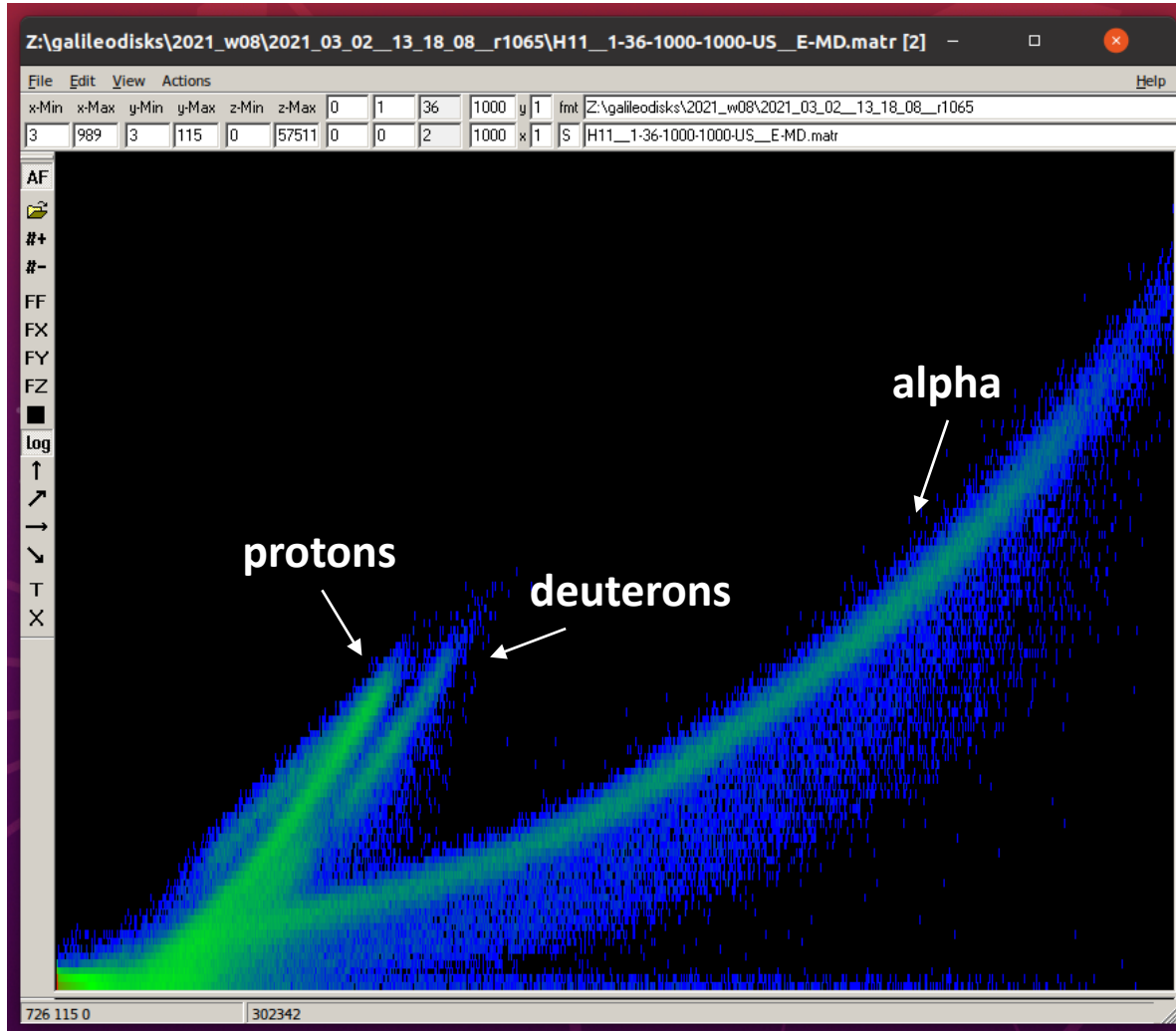
Focal plane



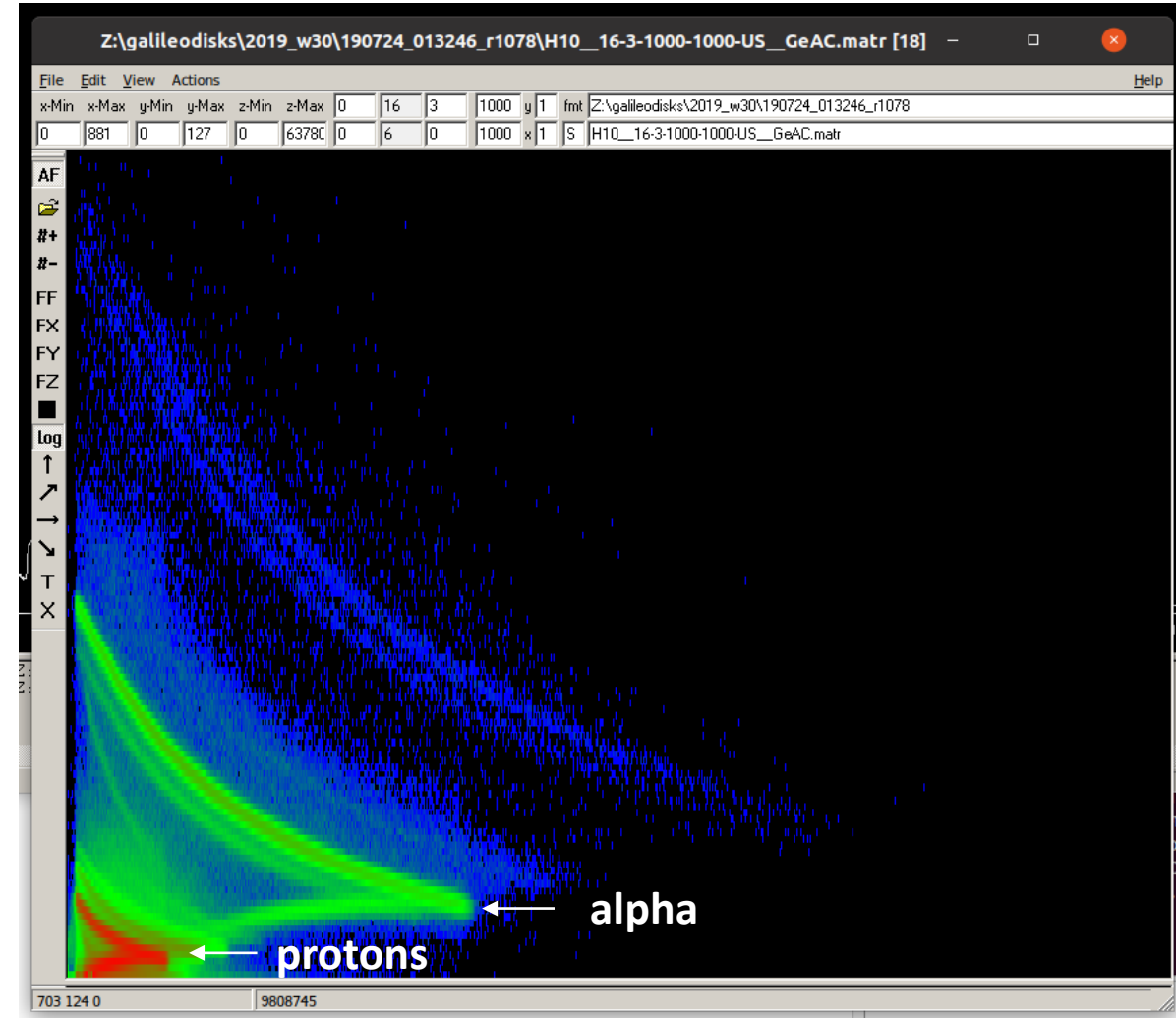
Entrance MCP

Example of spying for ancillaries

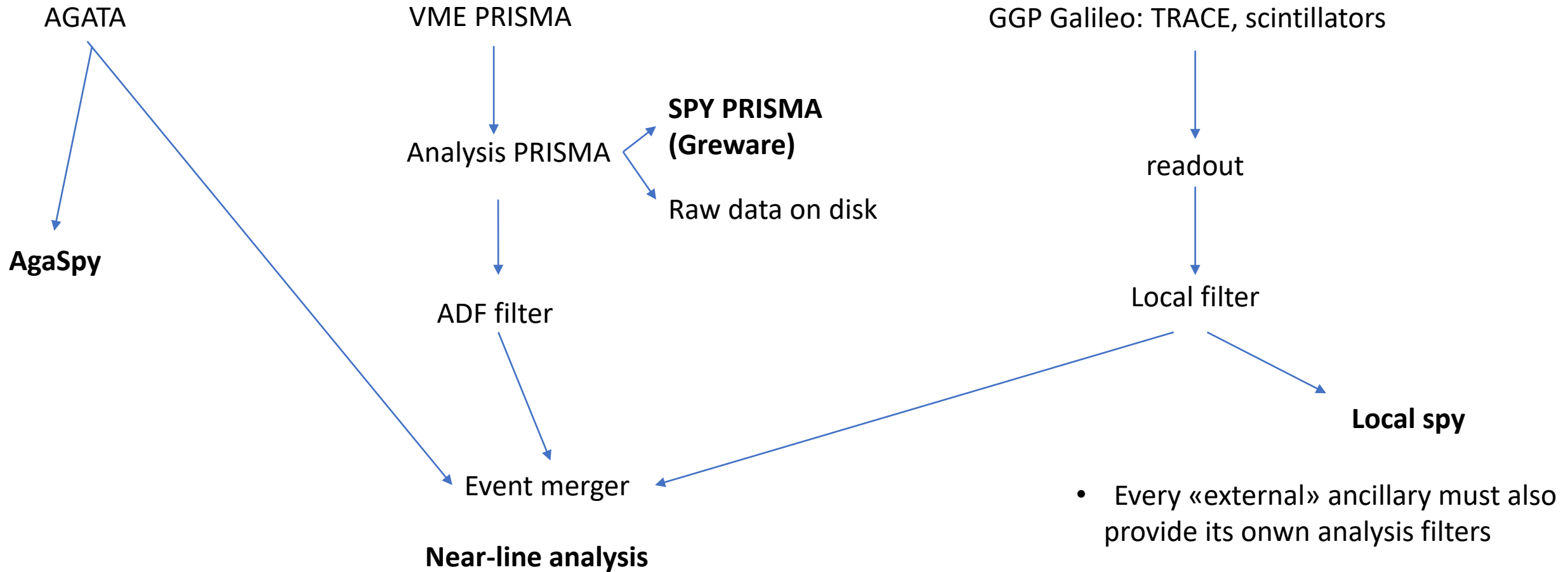
TRACE: PSA discrimination



EUCLIDES: E- ΔE plot



Data flux and codes for on-line, near-line analysis



Data flux and codes for on-line, near-line analysis

- PRISMA: code for data analysis on existing GIT INFN servers: **it will be modified** to be compatible with femul and then put into agapro repository: those who download "agapro" will also have PRISMA library. Then it will also be put in the DAQ
- data sent to PRISMA library will be **pre-analyzed** data (calibrations, etc...)
- PRISMA-> data written on parallel on disk, spy for PRISMA analysis/monitoring. PRISMA Library Filter -> ADF-> Event Merger AGATA-> spy later to see AGATA (J. Dudouet). The **PRISMA filter will be written in the coming months**.
- GGP galileo (for Trace and scintillators)->readout->localfilter->event builder->event merger ancillary in adf format->Event merger AGATA. **Everything already exists**.
- **Collaboration** set up with Jérémie Dudouet and Olivier Stezowski from IP2I Lyon.

