

NectarCam Scientific Software status?

Who, when, where?

Attempt to build a pathway to traceable code elements

NectarCam scientific software group, Bordeaux F2F meeting, October 12th

Scientific Software Group

- New (new) organisation
 - **Floriane** (Cangemi) has now a permanent position at APC mainly on SVOM. Thanks for her contribution to group animation.
 - To be more efficient in the software development, we certainly need more regular meetings
 - **Halim** (Ashkar) and **Daniel** (Kerszberg) accepted to join the coordination of the group.
 - We plan to have one software meeting every 2 weeks. Need to define a slot.

One year of SSW Meetings

Codes overview for testing the NectarCAM performances in the CEA darkroom (Federica Bradascio) (17/01/2022)



Running NectarCAM data analysis on the EGI grid (J.P. Lenain) (17/07/2022)

DQM with NectarChain (Halim Ashkar) (07/02/2022,20/04/2022)

Codes for low level calibration (François Brun) (20/04/2022)

Bricks of code

- Many bricks of code exist
 - On the git (not so many)
 - Most of them on local computers (sharing, sharing, sharing...)
- Many bricks but not clear how to build the house...
- **This F2F session is probably the place to (re-)initiate the discussion.**

Bricks of code 2

- definition of future developments
 - who is working on what ?
 - timeline
 - sharing software -> Need for a specific git workshop?
 - what is needed (orphan tasks?) -> High level analysis (Daniel's warning)
 - include software bricks in the general framework
 - Data access -> GRID/DIRAC Jean-Philippe talk
 - databases

Sharing, testing, maintaining code

- Code Quality (uniformity, self testing procedure)
- Releases/Obsolescence/Code maintenance
- Dependencies management
- Code documentation
 - Many of current Notebooks on the git are not enough detailed to be useful for a real beginner (Trainee, new PHD student, Post-Doc,...).

One point to conclude

- Share your code....