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Fourth coding sprint

The fourth coding sprint will take place at IRAP, Toulouse in the week 29 June - 3 July. We will start around noon on the first day and stop around noon on the last day so that you can travel on the same day to Toulouse (we may adapt the exact time of start on stop to your travel schedule).

Participants

- Michael Mayer (HU Berlin)
- Rolf Buehler (DESY)
- Christoph Deil (MPIK)
- Jürgen Knödlseder (IRAP)
- Tarek Hassan (IFAE)
- Nathan Kelley-Hoskins (DESY)
- Johan Bregeon (LUPM)
- Lili Yang (UNG)
- Pierrick Martin (IRAP)

Practical information

The meeting will take place at IRAP-Roche, information of how to reach the location can be found at http://cta.irap.omp.eu/toulouse2011/practical.html. A suggestion of possible hotels is on http://cta.irap.omp.eu/toulouse2011/accomodation.html. Note that since recently we have a tramway connection to the airport. You may take the tram to go to the terminus (Palais de Justice) and from there take the metro to Faculté de Pharmacie (direction Ramonville) to go to the lab.

Tentative agenda

- Monday, 29 June:
  - 14:00 - 16:00: Introduction, meeting goal, status of CTA developments & analysis (attachment:4th-coding-sprint.pdf) (Jürgen)
  - 16:00 - 16:15: IRF developments at IFAE (attachment:IRM.pdf) (Tarek)
  - 16:15 - 17:00: IRF discussions (all)
  - 17:00 - 17:30: Status of HESS developments & analysis (Michael)
  - 17:30 - 18:00: Status of VERITAS developments & analysis (attachment:veritas_progress.pdf) (Nathan)
- Tuesday, 30 June:

    - 9:00-18:00: Coding, Testing, Documenting
- Wednesday, 1 July:
    - 9:00-18:00: Coding, Testing, Documenting
    - 20:30: Social dinner (Restaurant "Du plaisir à la toque", 20h30, http://www.duplaisiralatoque.fr/)
- Thursday, 2 July:
    - 9:00-18:00: Coding, Testing, Documenting
- Friday, 3 July:
    - 9:00 - 12:00: Meeting wrap up (attachment:4th-coding-sprint-conclusions.pdf)

Collection of issues to be addressed during the sprint

I propose that the main goal of the 4th coding sprint would be to get the gammalib and ctools release 1.0 out. There are all couple of outstanding issues (see GammaLib and ctools roadmaps), probably non of these issues should be blocking. We can then focus on fixing remaining issues, doing science verification and writing pending documentation. We should also start to work on the paper.

Besides this, here a list of issues that can be addressed:

- Improve binned analysis at the energy threshold (#1362)
- Implement containment_radius method for GCTAPsf classes (#1459)
- Optimise and test usage of energy resolution
- IRFs: status, limitations, roadmap

Files

4th-coding-sprint.pdf	4.42 MB	06/29/2015	Knödlseder Jürgen
IRM.pdf	2.68 MB	06/30/2015	Knödlseder Jürgen
4thcodingsprint.jpg	162 KB	07/01/2015	Knödlseder Jürgen
4th-coding-sprint-conclusions.pdf	274 KB	07/02/2015	Knödlseder Jürgen
veritas_progress.pdf	4.7 MB	07/10/2015	Knödlseder Jürgen