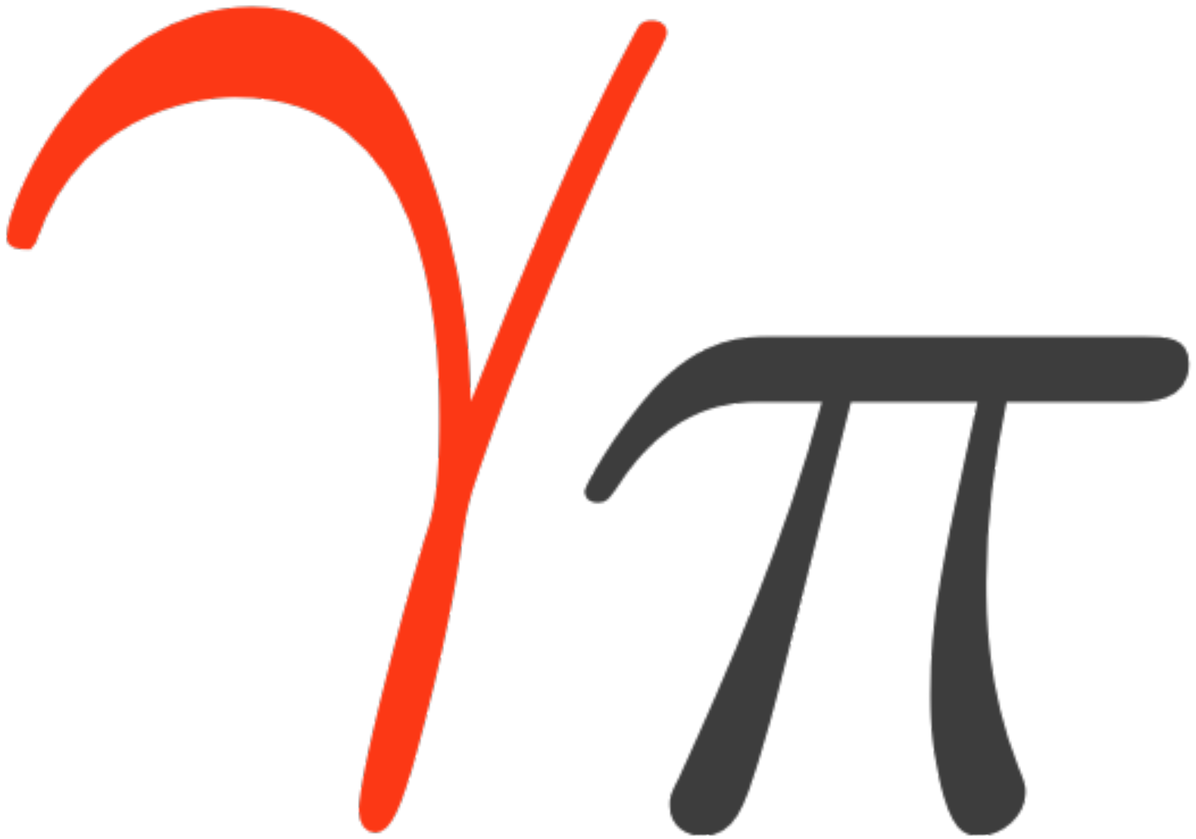


Intro 2nd Gammapy Co-Working Week 2020

Axel Donath - July 6th, 2020

Overview

- Co-working week: the idea is all participants dedicate most of the time to work on Gammapy this week and make sure they are available for spontaneous discussions on Slack and remote meetings via Vibe
- Meeting page: https://github.com/gammapy/gammapy-meetings/blob/master/coding-sprints/2020-07-Co-Working-Week.md
- Planned meetings:
  - Tuesday 10am, Wednesday 10am, Thursday 10am, Friday 10am
  - Again a short meeting 5pm to conclude the day?
- Slack channels to use: #co-working-week-2020 and # dev (gammapy.slack.com)
- (Remote) pair-coding recommended!
- Chances are good we can have an in-person coding sprint in autumn this year…

Status

- In the past months we achieved a lot in terms of cleaning up and “streamlining” Gammapy: removal of non-essential parts of Gammapy, improved API consistency (RegionNDMap, Maker system etc.), removed duplication between 1D and 3D analyses (RegionNDMap, SkyModel), validation, important features: event sampling & fitting of temporal models!

- These changes will pay off in terms of mid-term to long-term maintenance effort as well as consistency of the “global design” of Gammapy…

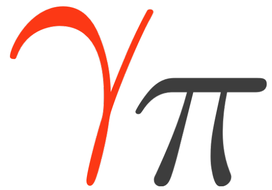
- Feature-wise Gammapy is basically complete, there are no essential analysis features missing, however some recently started implementation have to be finished (e.g. ExcessProfileEstimator etc.). However we should probably do a “feature freeze” soon…

- Documentation needs to be finished, overview pages, sub-package RST pages. In many cases deleting old outdated pages / information will help…

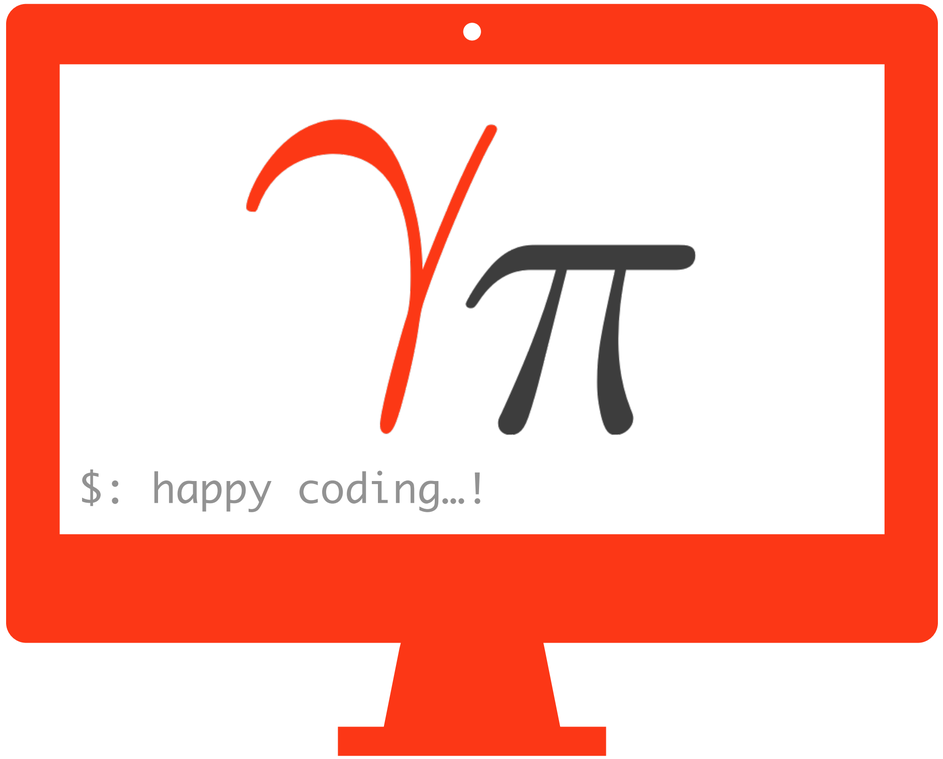
- Last remaining API changes: global model API, background model handling, Estimator API, EDispKernelMap for SpectrumDataset

- More detailed work plan and coding projects are on the meeting page (discuss later…)

Releases and Paper



- Last release: April 1st, v0.17: we broke our release cycle of ~2 months, as we did not have a release in June. Probably because I was on parental leave, but also Corona virus etc.
- Because of global Model API and background model handling there are further API breaking changes expected so I would propose to schedule a v0.18 release before the summer break
- So let's be productive in the next few weeks…!
- I would like to use the summer break (because I'm not going on holiday…) to prepare a draft for the Gammapy paper, current status:
  - https://github.com/gammapy/gammapy-paper
  - https://docs.google.com/document/d/17nNR3zxD4-AjT5bYZQd8jb7yo93m5g-itSFJ5oFK3QI/edit (state from Madrid coding sprint)
  - I'll come up with a draft and then we distribute the work after the summer break? Use overleaf or is GitHub repo OK?
- Goal is still to release a paper and v1.0 together. We have been saying it for a long time, but I'm confident Gammapy v1.0 will be released this year!


$: happy coding…!