

Updates from the dev team



Gammapy User Call

15/05/2025

Known issues:

- ❖ Known bugs: <https://github.com/gammapy/gammapy/issues?q=is:issue%20milestone:2.0%20label:bug>
- ❖ Memory leak in Gammpy v1.3 (previous versions also?)
 - ❖ <https://github.com/gammapy/gammapy/issues/5706>
 - ❖ Error: “The kernel died. It will restart automatically” (relevant only for large number of datasets)
 - ❖ Temporary recommendation: Explicitly invoke garbage collection and please report
 - ❖ **Note: Unnecessarily doing this can affect the performance**

```
import gc

for i in range(N):
    ds = MapDataset.read("xx")
    # perform operation, eg ds.mask_fit...
    gc.collect()
```

Plans for next release

- ❖ Gammapy-v2.0 to be released in mid-July, 2025
 - ❖ Support for Bayesian analysis with Nested Sampling using UltraNest
 - ❖ Tutorial on dev: https://docs.gammapy.org/dev/tutorials/api/nested_sampling_Crab.html#sphx-glr-tutorials-api-nested-sampling-crab-py (Feedback appreciated)
 - ❖ Improvements on the documentation, content and appearance
 - ❖ Feedback from the CTAO internal Science Data Challenge
 - ❖ Improved support for different Fit Statistics including Weighted Likelihood
 - ❖ Improvements in performance
- ❖ Starting efforts on **gammapy-multiwavelength**: <https://github.com/gammapy/gammapy-mwl>



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