

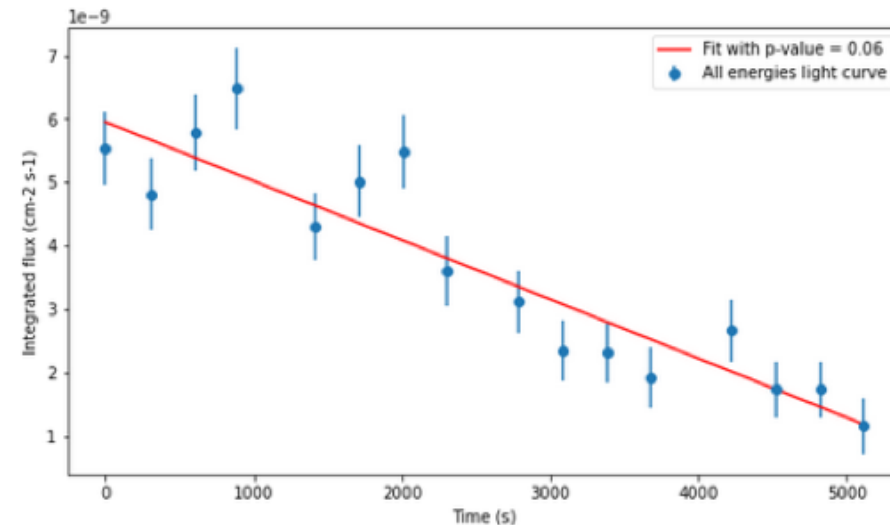
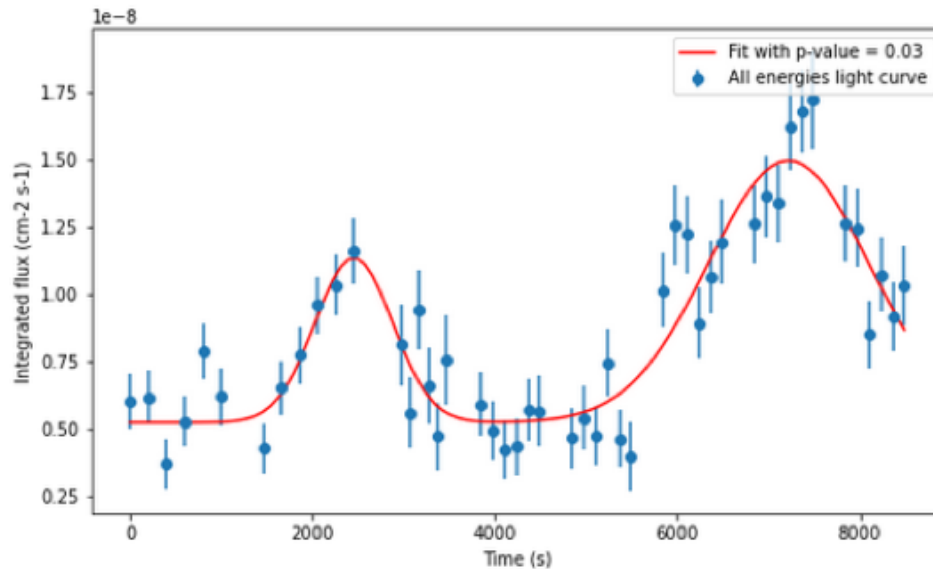
Activités Extragalactiques

David Sanchez

08/11/2022

Activités Extragalactic avec LST

- Analysers : Cyann Plard, Sami Caroff
- LIV analysis on AGN flares and potential GRBs
- So far working on two BL Lac flares, another flare just detected and ready to be added to the analysis
- Planned and combined study of all variable sources for a publication begin of next year
- Results will be delivered to **the HESS + MAGIC + VERITAS + LST consortium after LST-only publication**
 - MoU LST1 + HESS + MAGIC + VERITAS**

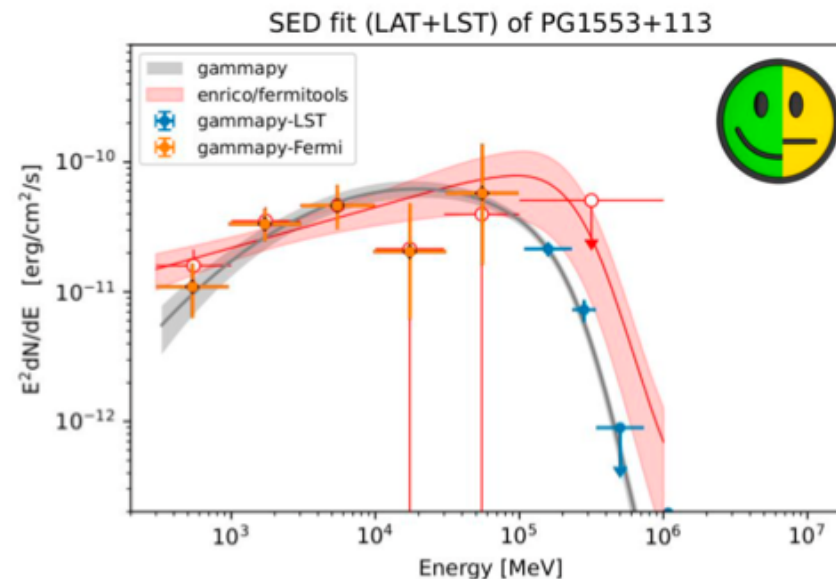
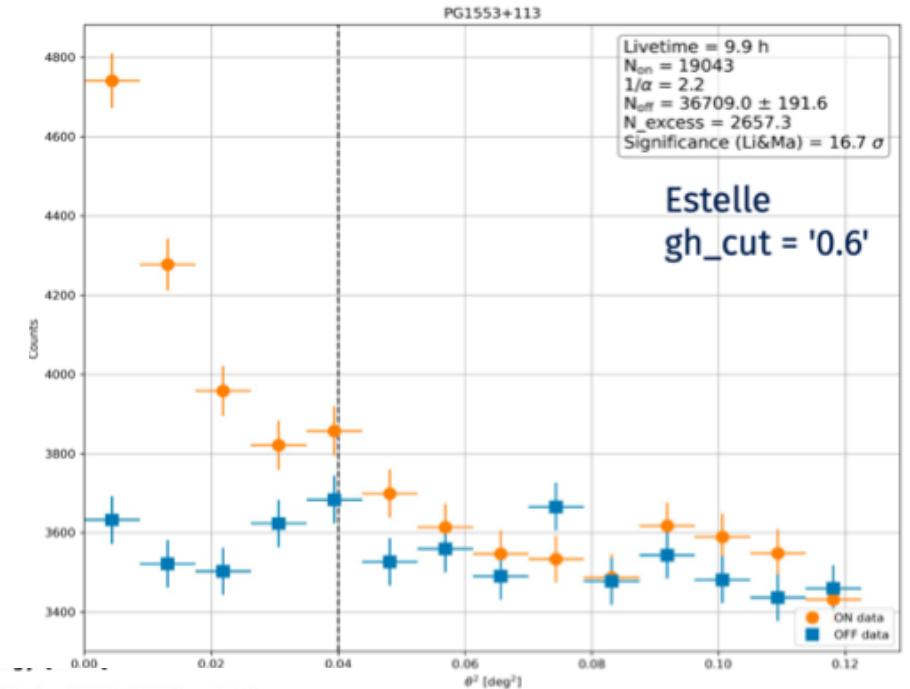


Cyann Plard, Sami Caroff

- 6 Sources dans la publication
 - Markarian 421 (detected, strong, variable)
 - Markarian 501 (detected, strong, variable)
 - 1ES 1959+650 (detected, variable/mini-flare)
 - 1ES 0647+250 (detected)
 - PG 1553+113 (detected)
 - M87 (just a hint. Add it to a section of 'non-detections' ?)

- Sélections des données, mise en place d'outils + coupures de qualité
- Analyses LST + Fermi

- Publication en 2023 ?

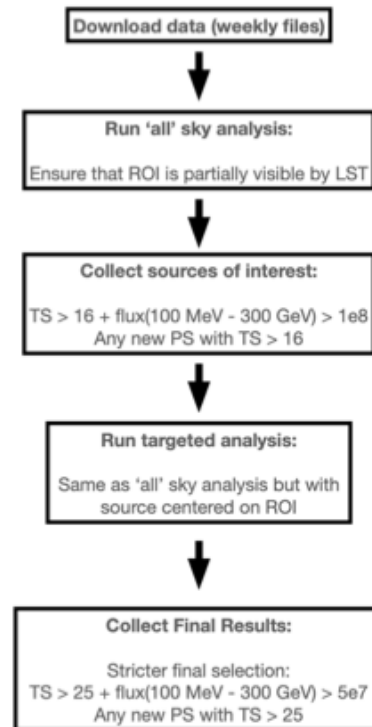


E. Pons, D. Sanchez

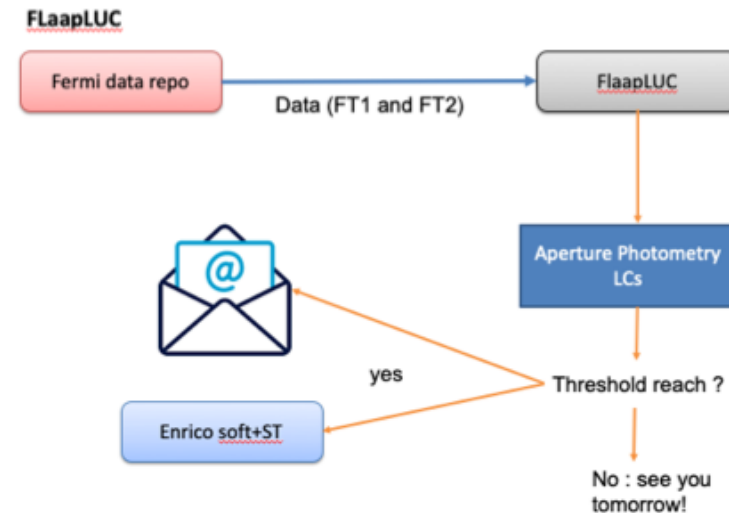
Still in the preparation phase, ToO decided on the case by case basis

Fermi data pipeline

- 2 complementary tools.
- Plan is to run them together on site

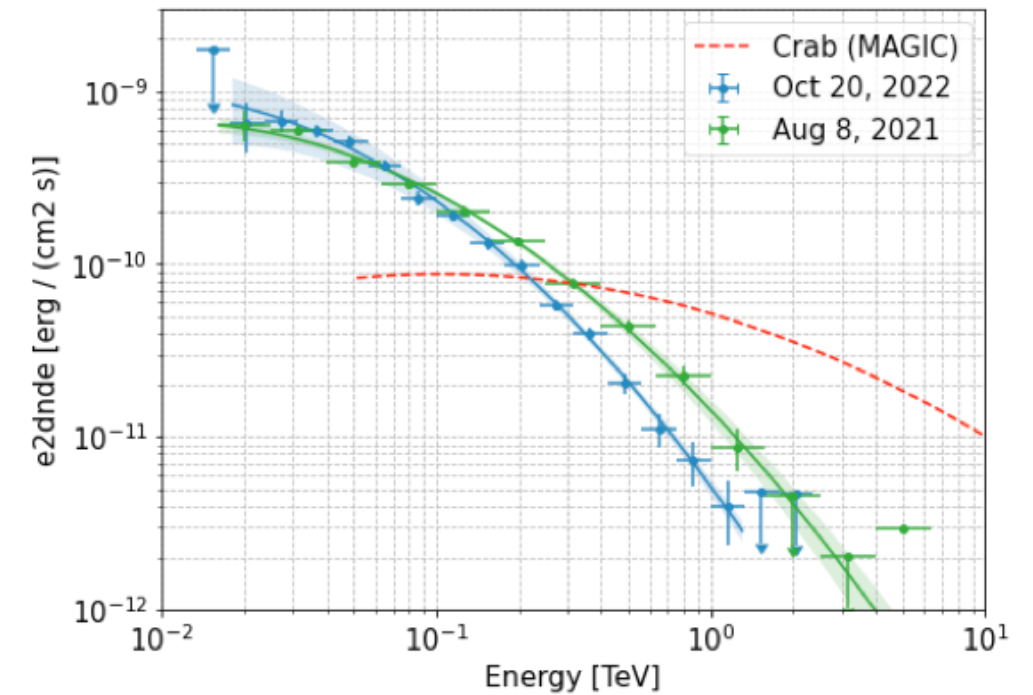
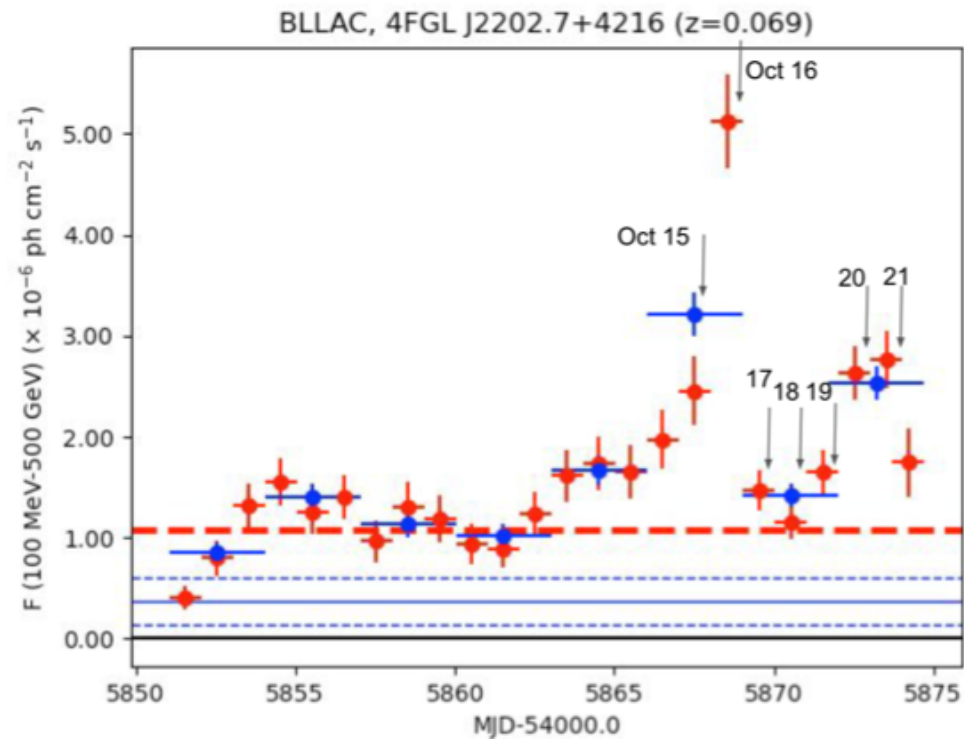


FlaapLUC



Mise en place d'outils de detection de flare.

- Prototype sur MUST
- Deja des alertes suivies



Cycle 1 LST mono:

- ToO : définir les modalités (threshold, temps total, etc..)
- LBL sources (Estelle, David)

