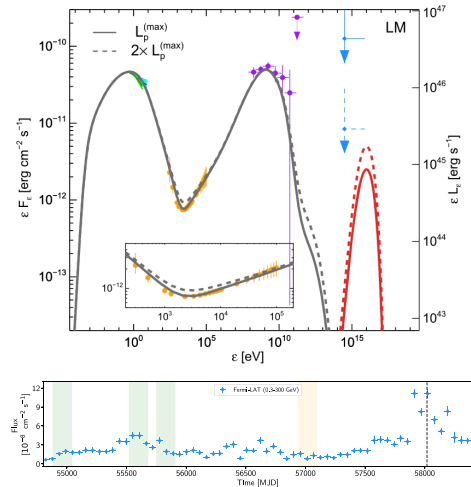
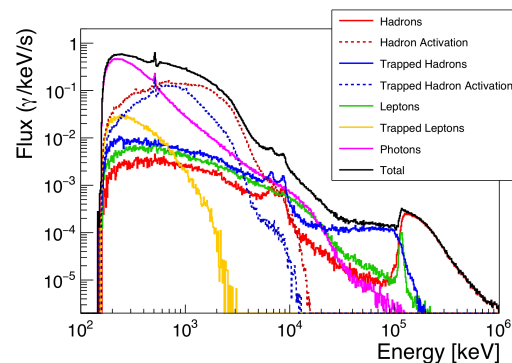


# MEGAlib Simulations

## input model (SED and LC):



## input background (SED):

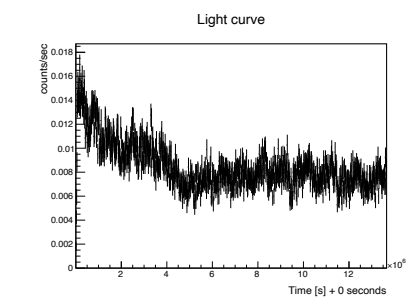
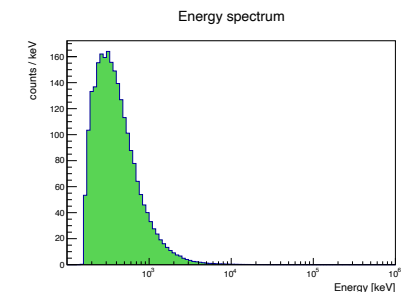


**MEGAlib**

*The Medium-Energy Gamma-ray Astronomy library*

- Developing python model to automate MEGAlib simulations of any source (or source class)
- **Main output is observed SED and LC, along with errors and statistical significance**
- Requires input SED and LC
- Background simulated for 2h. Scale to observation time.
- $\text{error} = \sqrt{S+B}$
- $\text{sigma} = S / \sqrt{S+B}$

## simulated source data:



## simulated background data:

