

Q & A (Monday, June 14 2021)

Q. Would it be okay to ask what energy bins were again?

A. Binning indicates how the whole energy range is grouped into smaller subsets. For a typical analysis, ten log spaced bins per decade in energy are recommended

Q. What is the cuts that you use to remove the bkg?

A. We start filtering by event class/type and zenith cuts. Then we have to take into account the Galactic diffuse emission and extragalactic isotropic model.

Q. I'm surprised gamma-ray emission from the sun isn't seen in that all-sky map w/o cuts. Was it already cut from the image shown?

A. Except for strong solar flares, the sun and the moon are relatively faint in gamma rays.

Q. How to choose the best region to analyze to suppress the background?

A. The FSSC provides recommendations for each particular data analysis (a.k.a. Analysis Threads). The current recommendations can be found here

<https://fermi.gsfc.nasa.gov/ssc/data/analysis/scitools/>