

Gamma-ray Pulsar Simulations

for the Gamma-ray Large Area Space Telescope (GLAST)



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The LAT response has been simulated with Gleam, a full MonteCarlo of the instrument. Gleam takes into account all the physical processes that occur when a photon or a charged particle enter the LAT



Here we show the lightcurves of EGRET pulsars that have been <u>simulated and then analyzed</u>. The basic analysis consisted in the <u>barcentering</u>, the <u>periodicity</u> test (Ch2) and then the <u>phase asignment</u> in order to build the <u>phase distribution</u> of the photons reconstructed by the LAT

I these procedures have been conducted using ne pulsar tools from the <u>LAT Science Analysis</u> <u>Environment</u> controlled to a Python-based interface.

