

Updated MLM Library

- Started as a useful project for a local high school student
- May also be of lasting value.
- Idea is to regenerate a completely new set of MLM maps based on:
 - Newly-defined 'standard' energy bands (0.75–1.20, 1.2–2.5, 2.5–4.3, 4.3–9.0, 9.0–30.0 MeV)
 - Excluding 20 minutes after each SAA passage
 - Excluding rigidities below 11 GV
 - Earth Horizon cut, $\zeta > 20^\circ$
 - More restrictive PSD (50-100)
 - Latest simulated PSFs (E^{-2})
- MLM files have been generated for Phase 4
- Generation of MLM maps for other phases is being set up with large batch processing.
- For each MLM map we will :
 - Produce an image
 - Determine distribution of likelihood values
- Final procedures not quite established
- Resulting images to be placed on Web
- Likely to continue for some time...

Likelihood Distribution

- Plot up distribution of likelihood values within the MLM map.
- Extract mean and standard deviation.
- Useful as a quantitative measure of image quality?

