

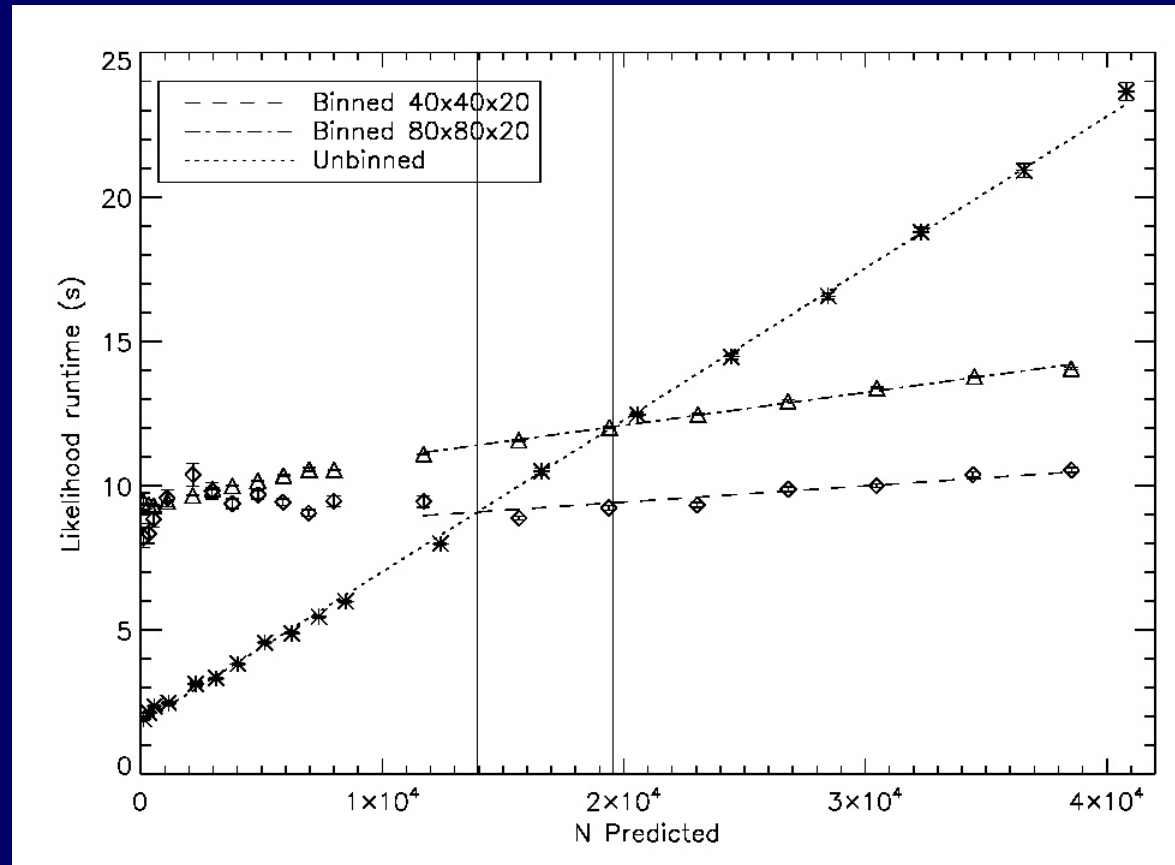
Binned vs. Unbinned Analysis: Initial Study

Simulations:

- One point source
- No diffuse
- $\alpha = 1.57$
- ROI = 10°
- $E_{\min} = 20$ MeV
- Incremented exp. time

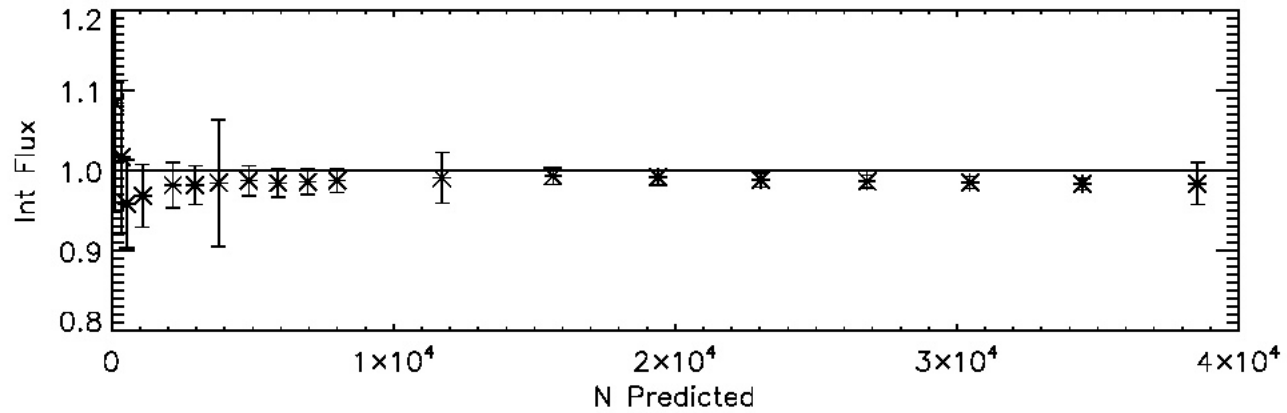
Likelihood:

- Unbinned analysis
- 2 Binned analyses
 - 20 energy bins
 - 400 b°
 - $40 \times 40 \text{ } 0.5^\circ$ pixels
 - $80 \times 80 \text{ } 0.25^\circ$ pixels

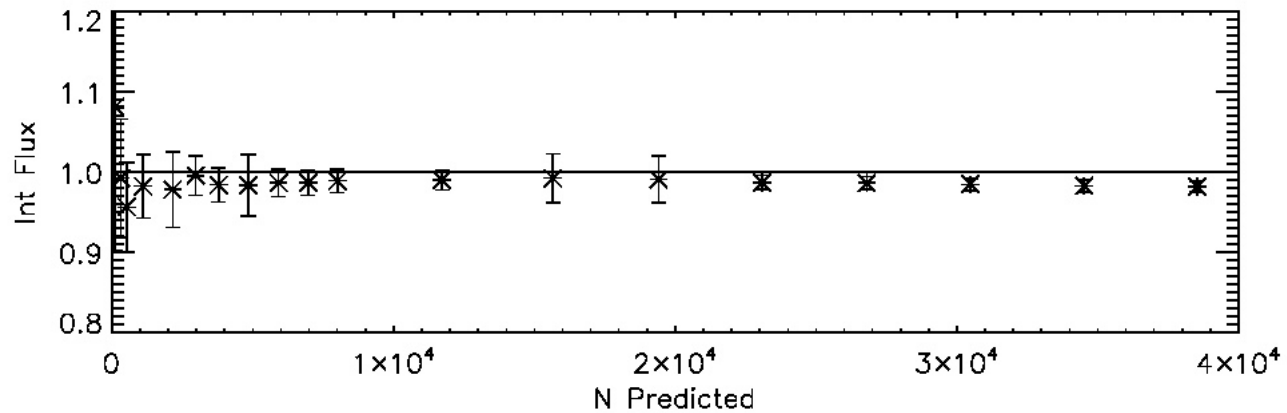


Binned Results: Integral Flux

40x40x20

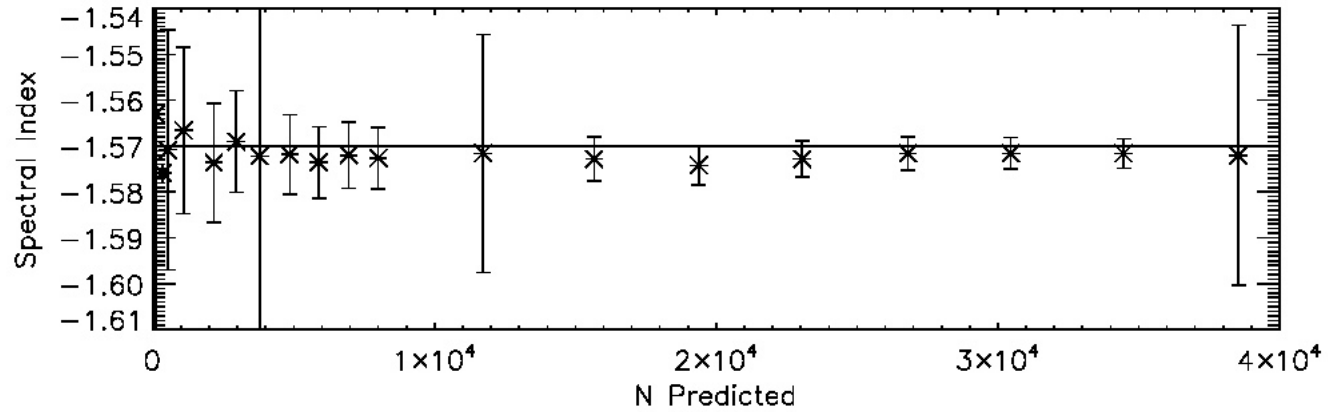


80x80x20

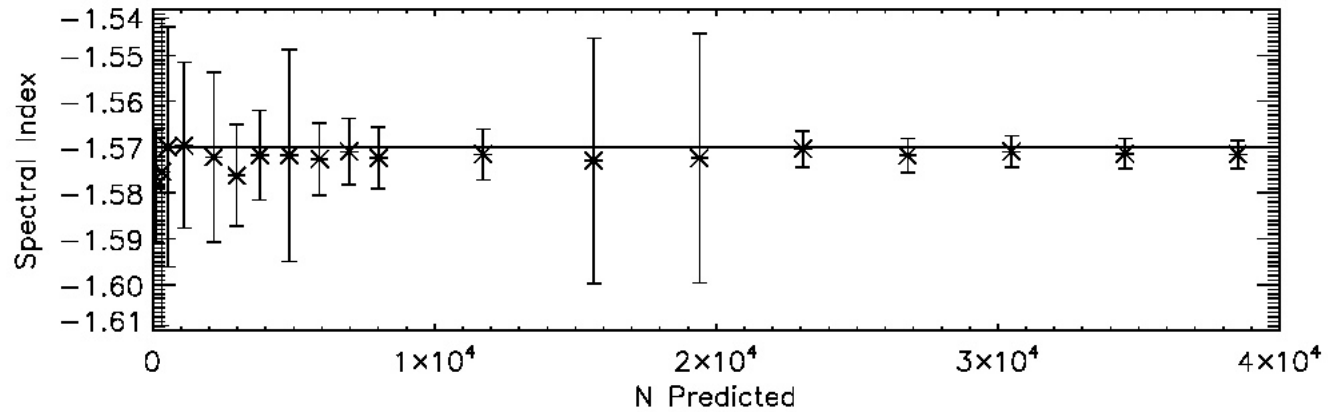


Binned Results: Spectral Index

40x40x20

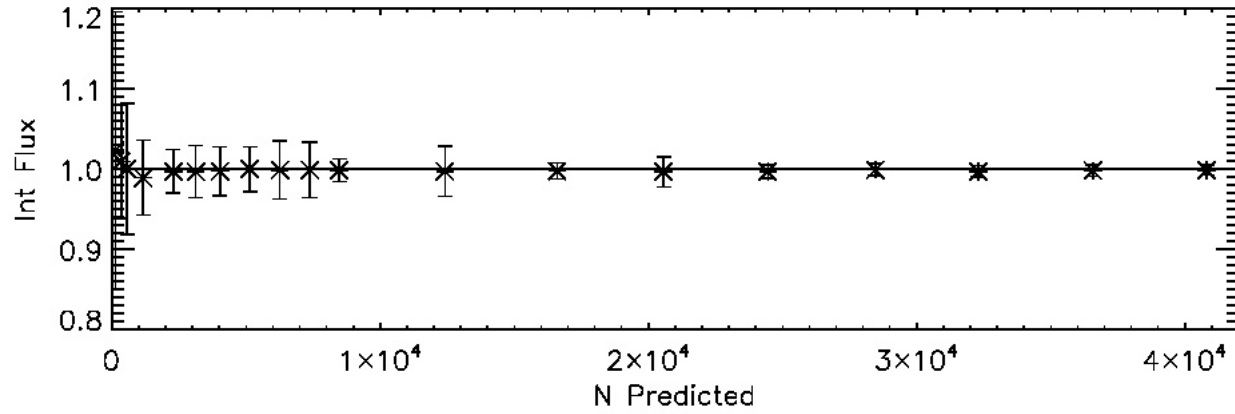


80x80x20



Unbinned Results

Integral Flux



Spectral Index

