

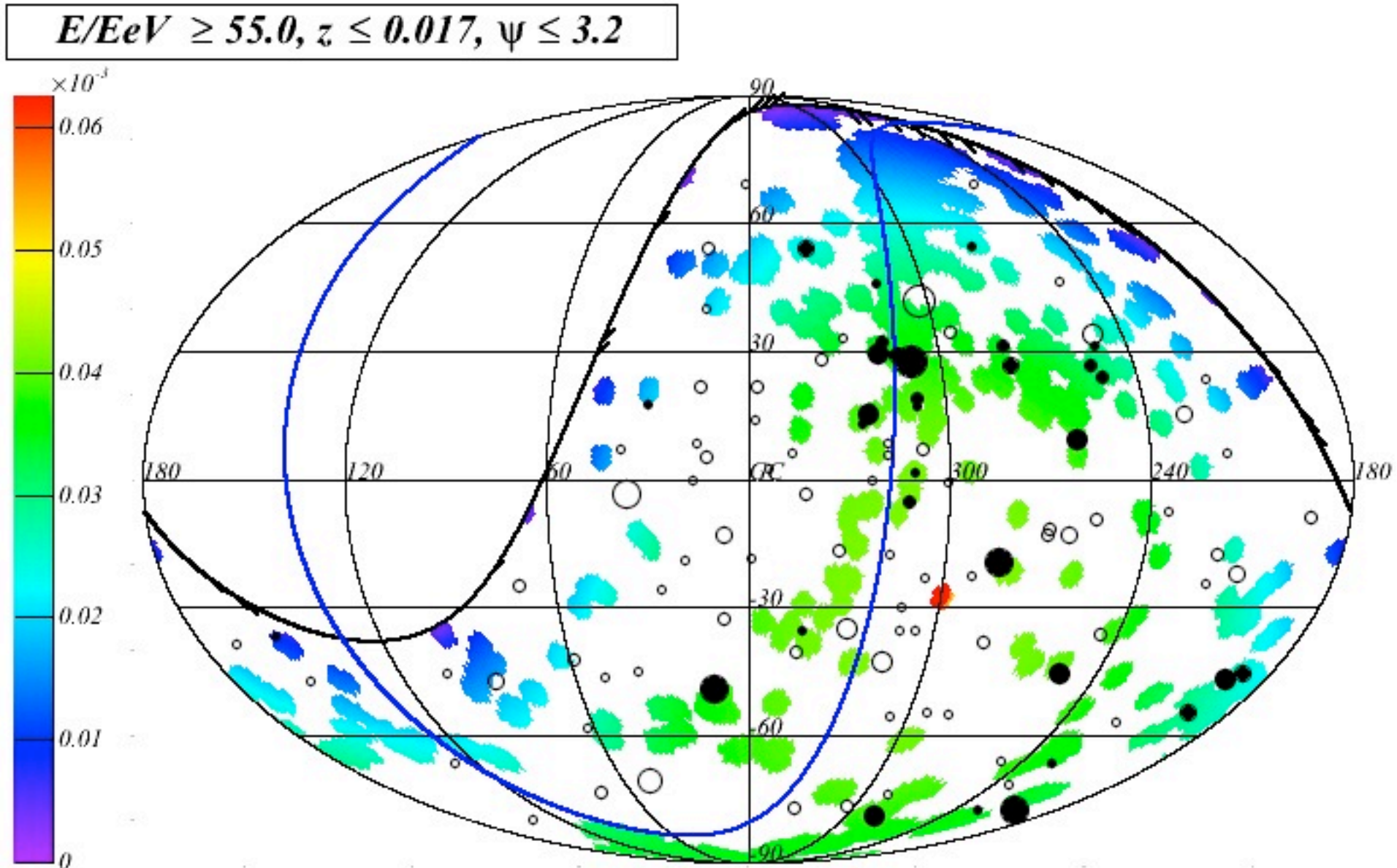
Anisotropy studies at the highest energies

Miguel - Penn State
Auger USA meeting at Case Western
Oct 2013

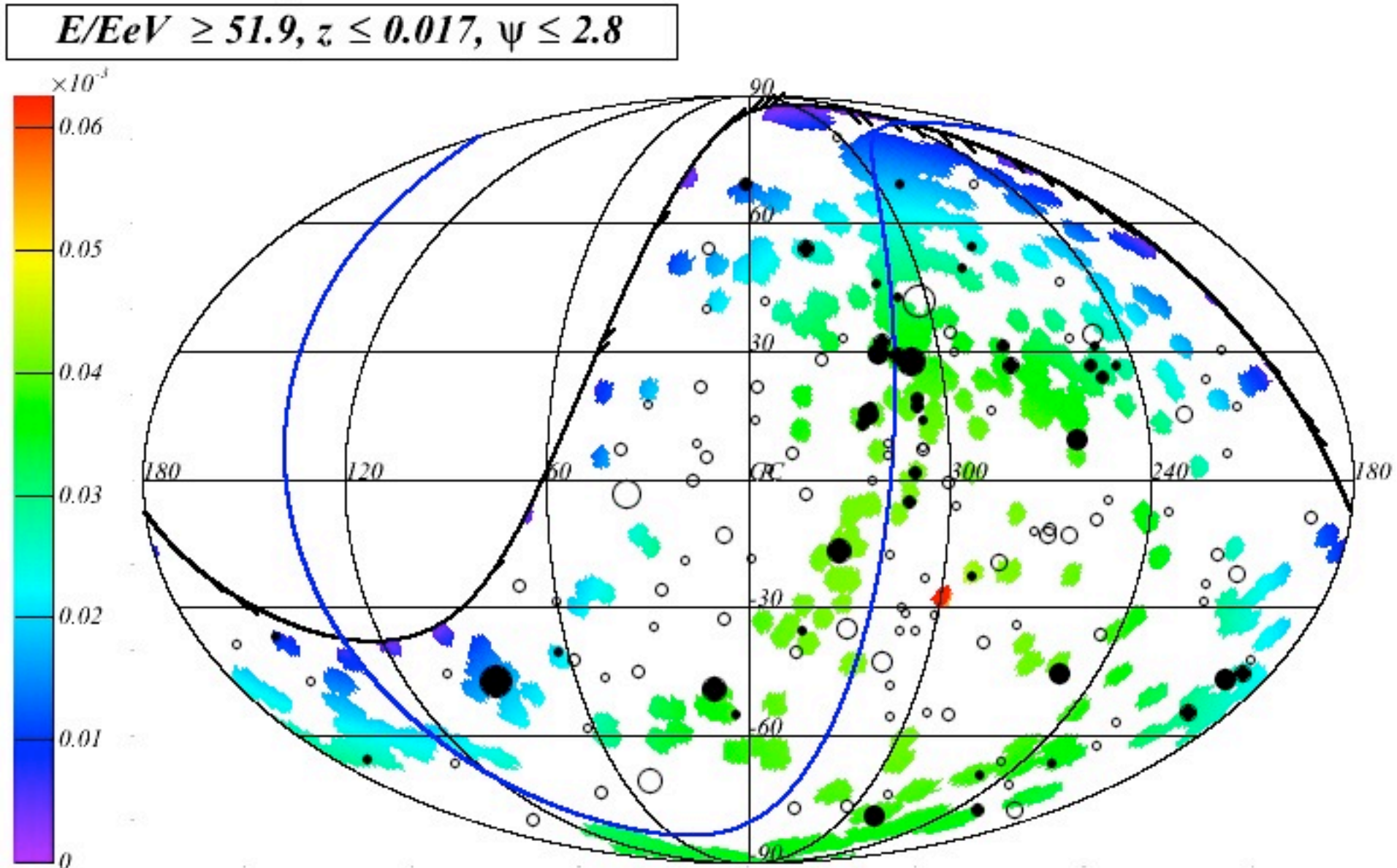
data

- Herald data up to Sep '13
- New VCV catalogue (13th edition)

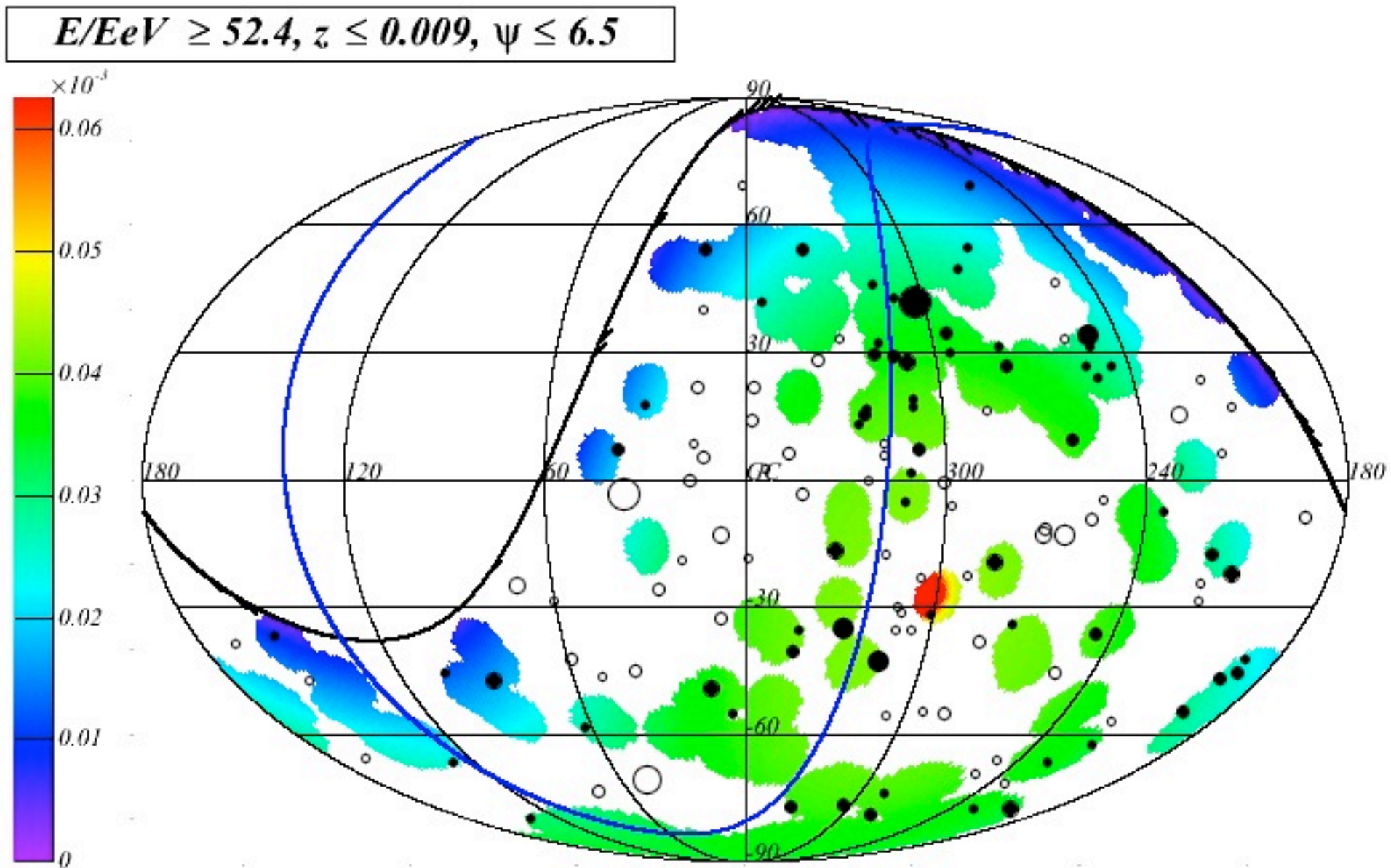
prescription



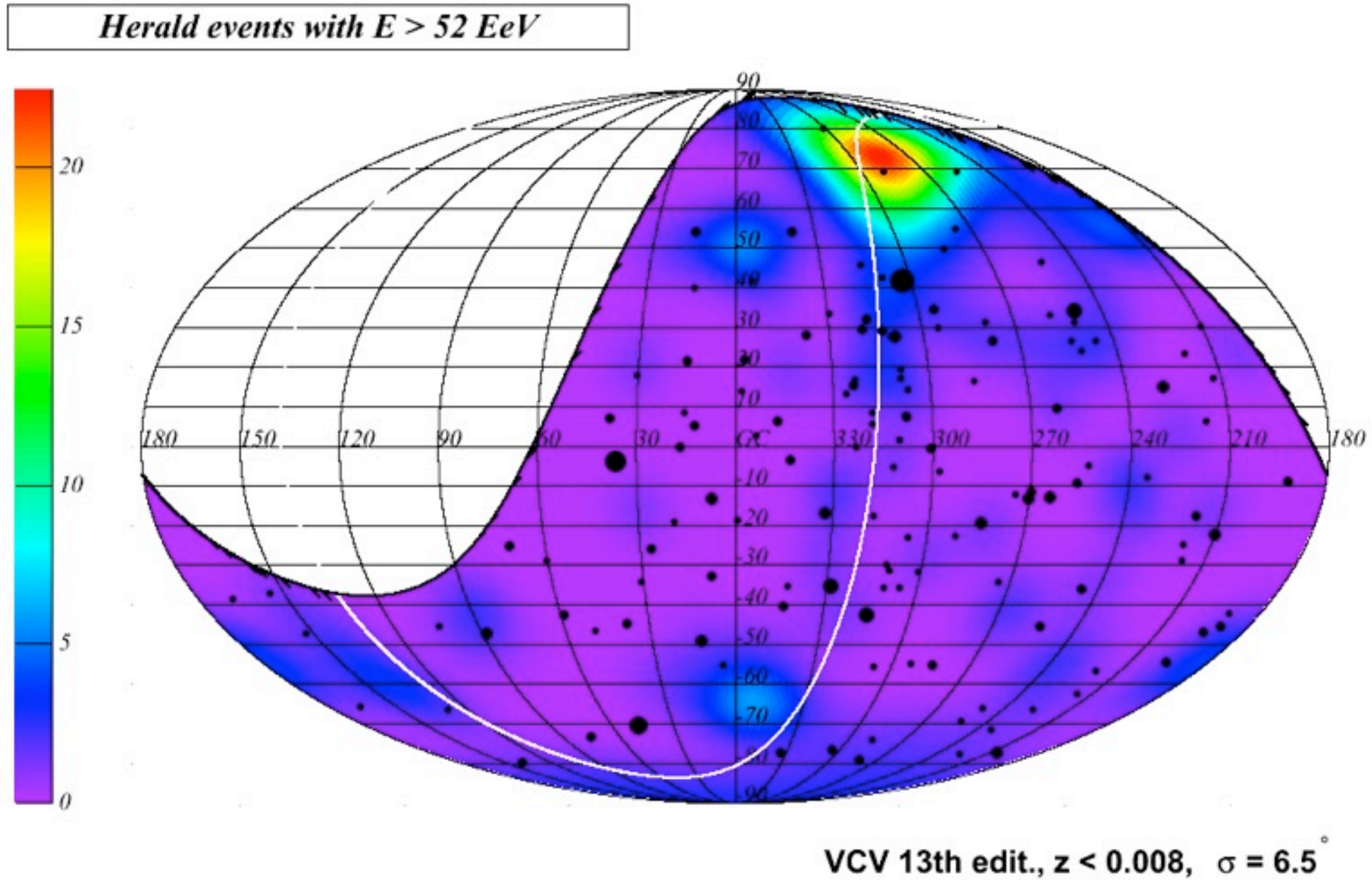
scan in energy



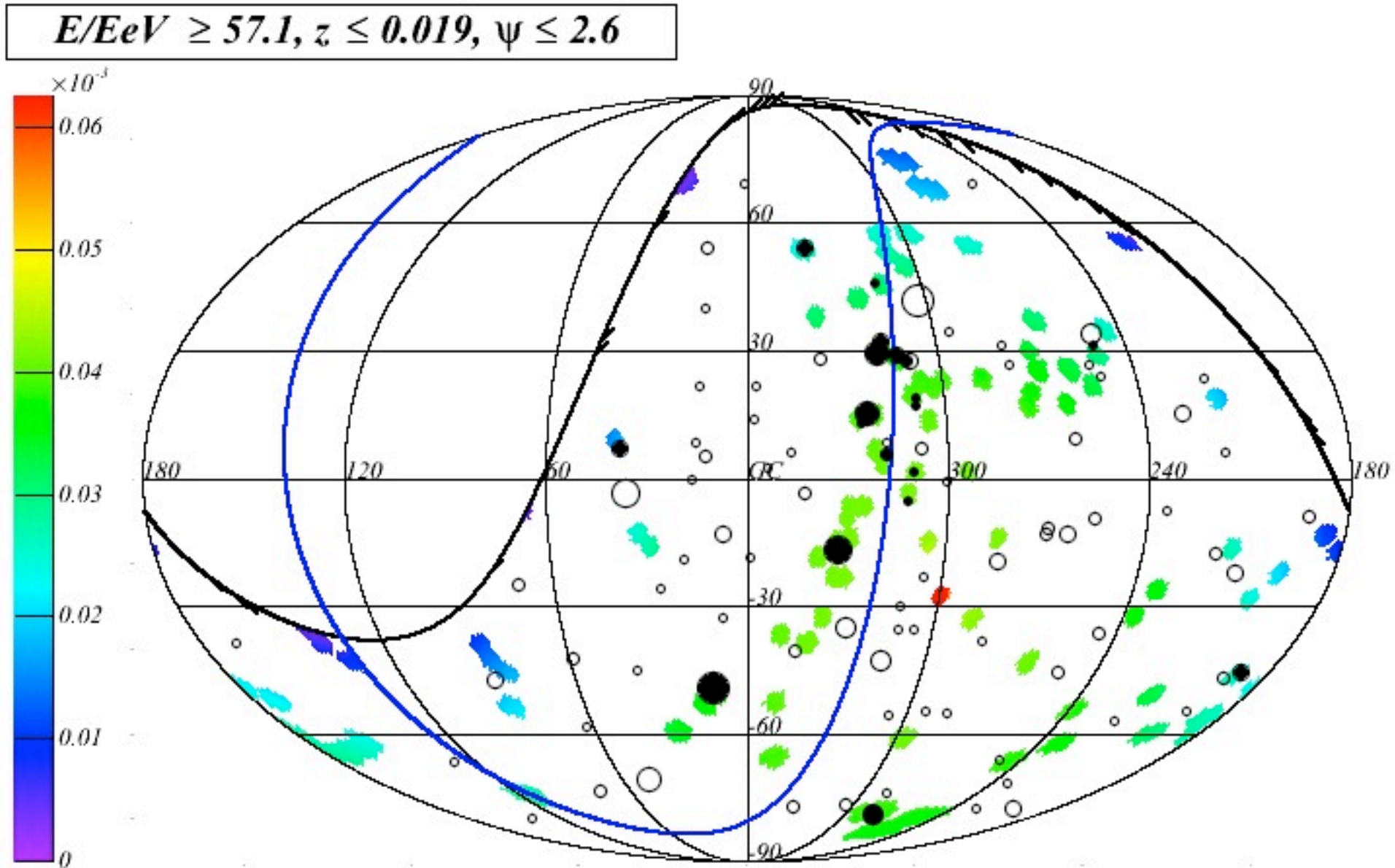
full scan



full scan

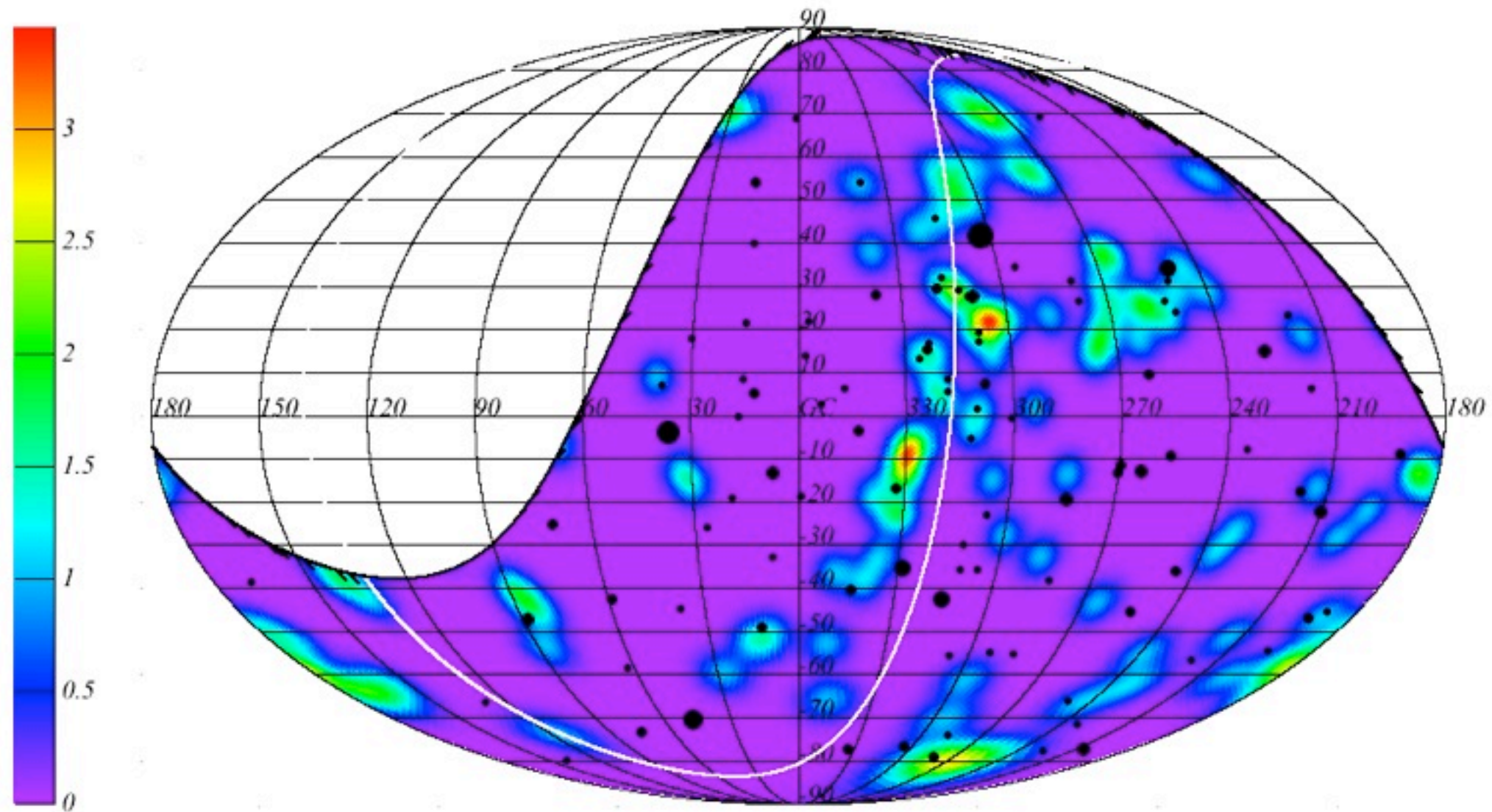


Swift-BAT



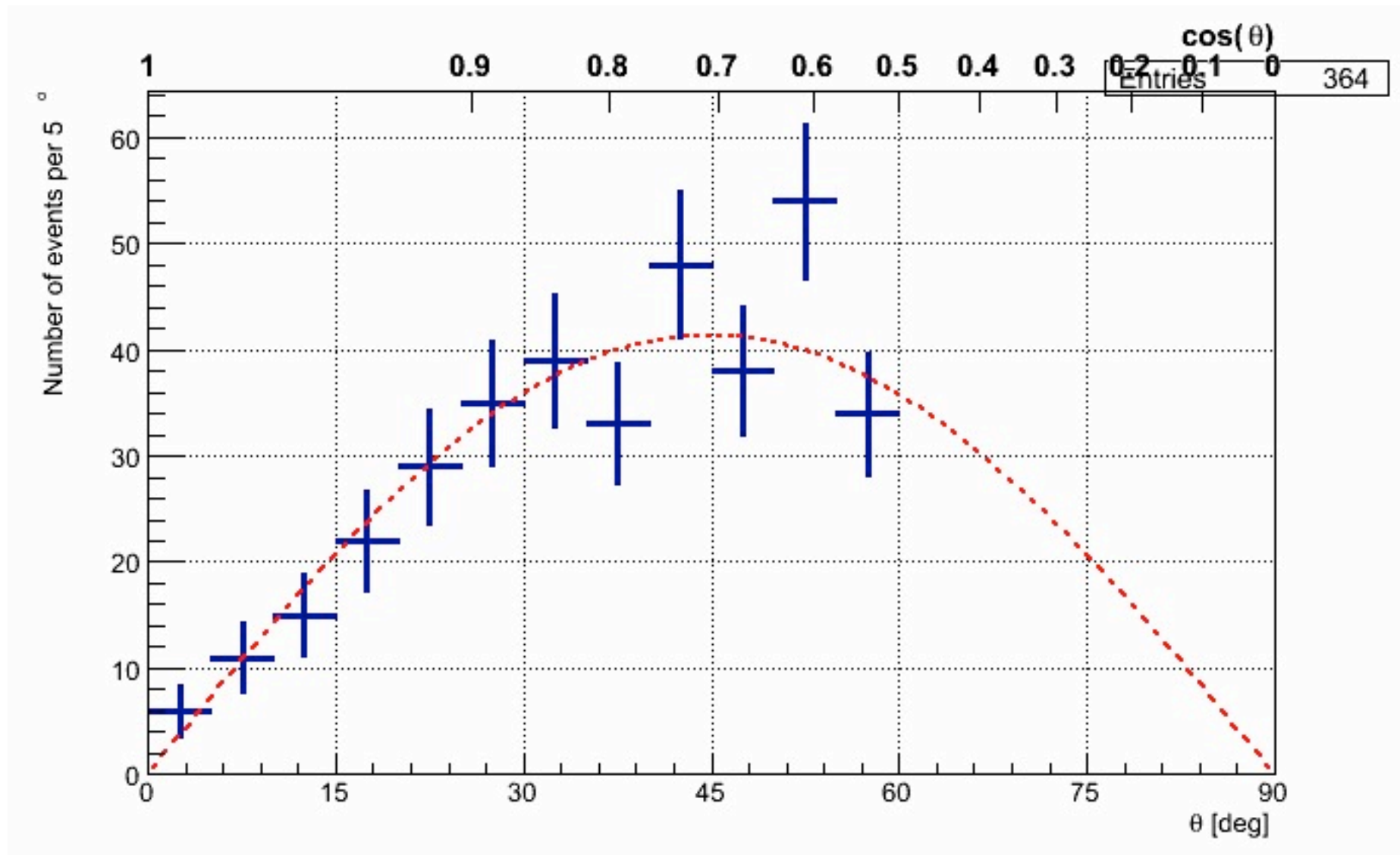
Swift-BAT

Herald events with $E > 57 \text{ EeV}$

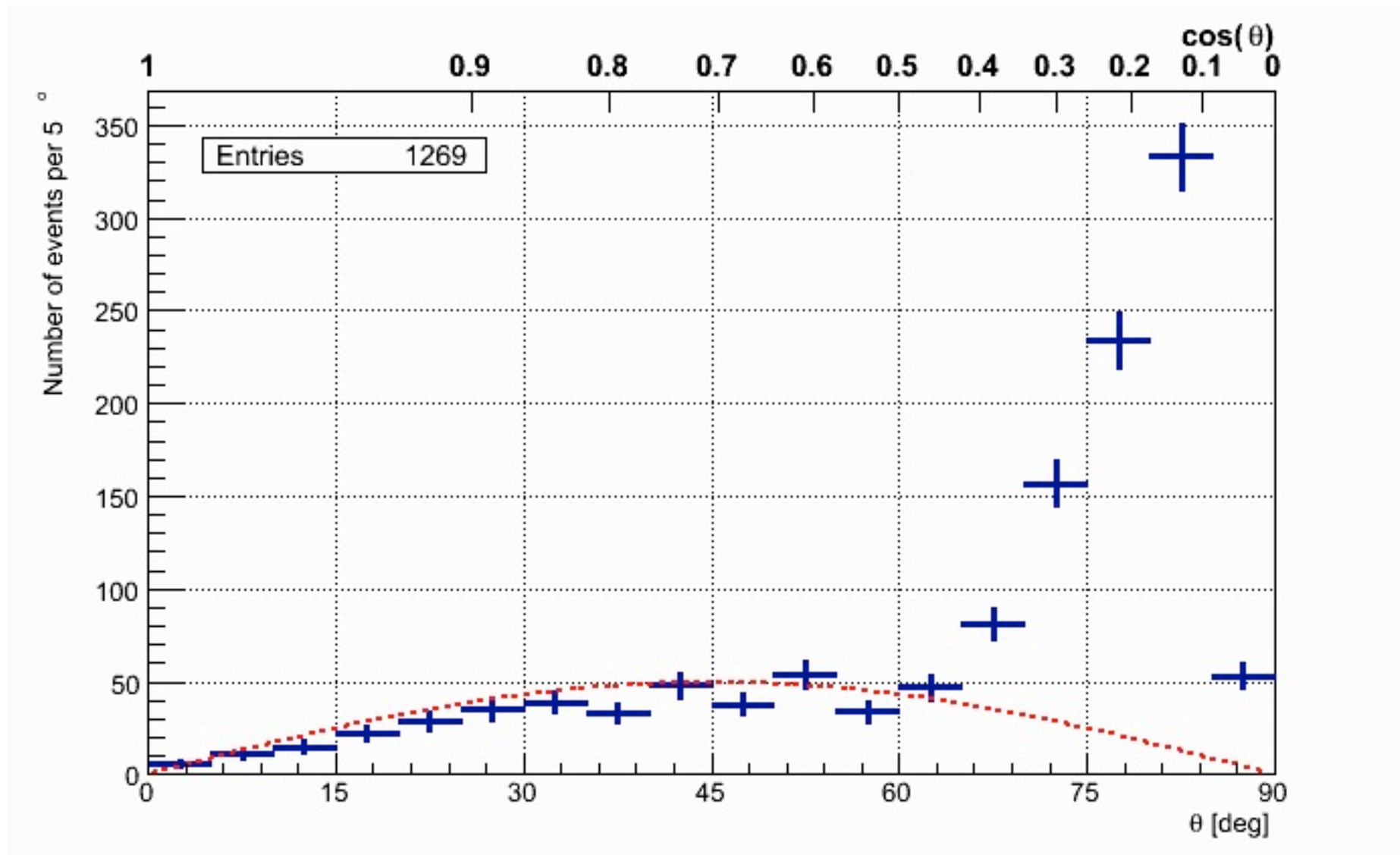


Swift-BAT 70 mo ($z < 0.019$), $\sigma = 3.2^\circ$

vertical events



all events...

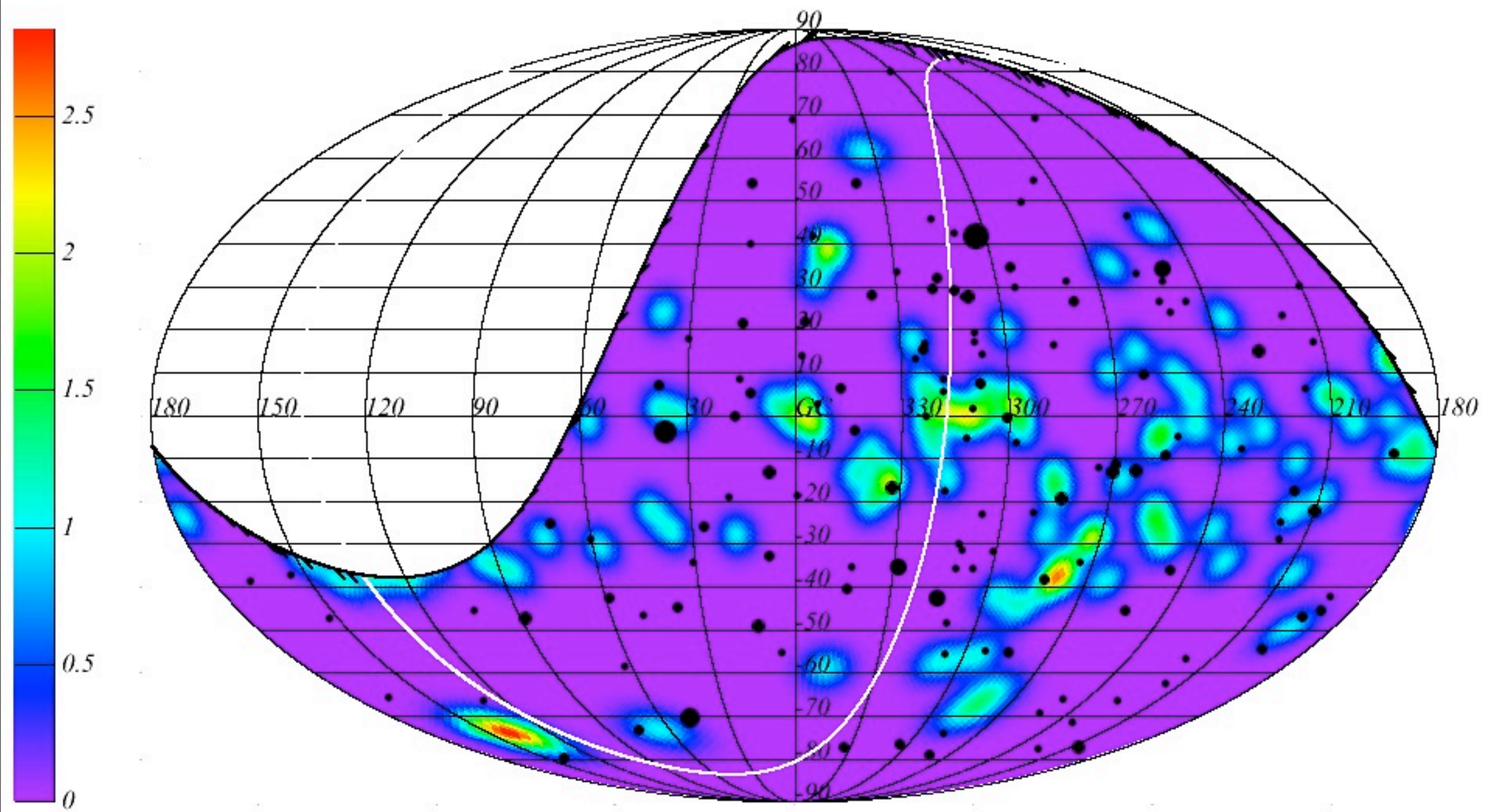


on-going

- Implement weights: redshift, exposure, etc.
- Magnetic spectrometer
- All zenith angles?
- Also tried Fermi HE catalogue

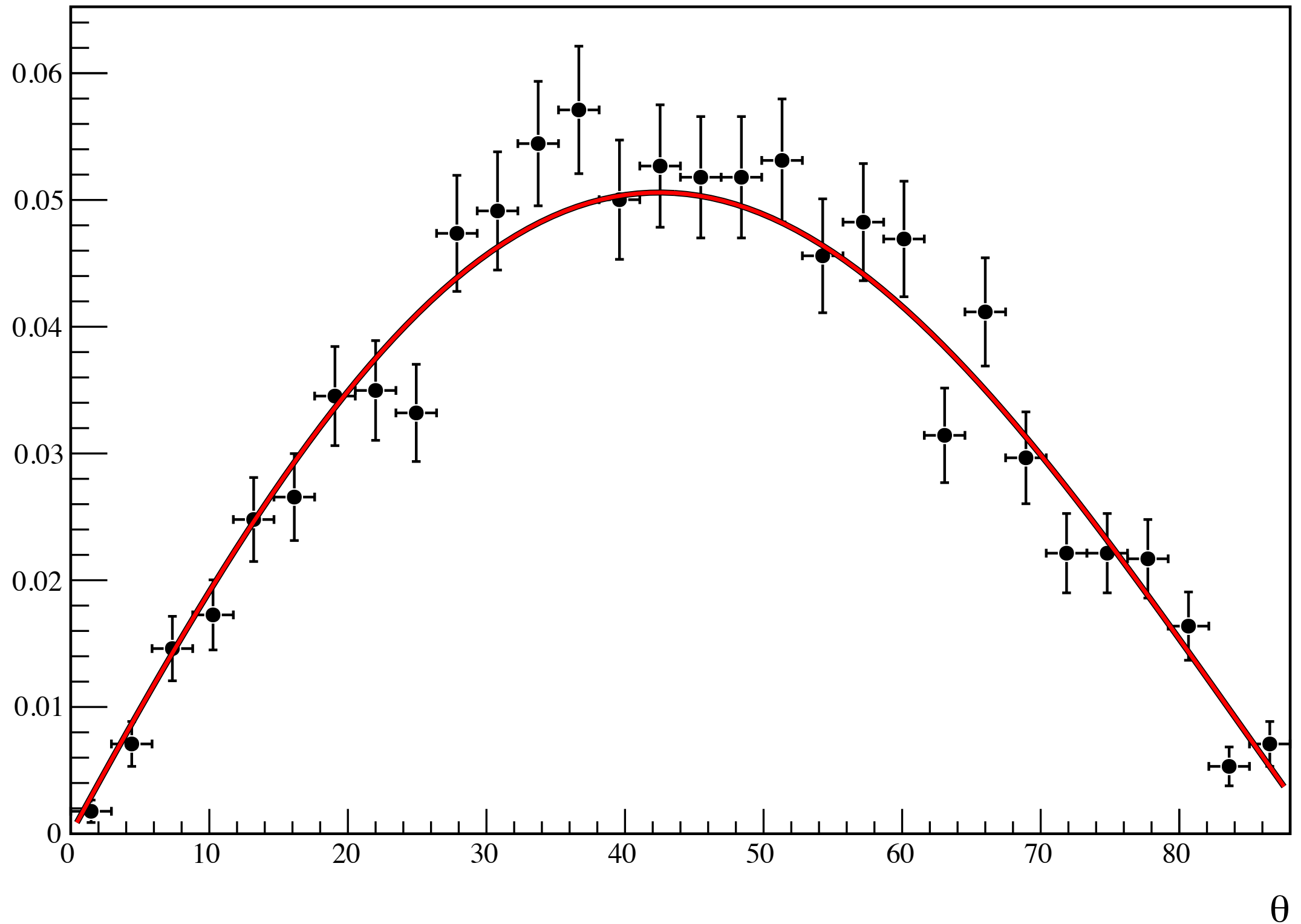
Backups

Herald events with $E > 52 \text{ EeV}$



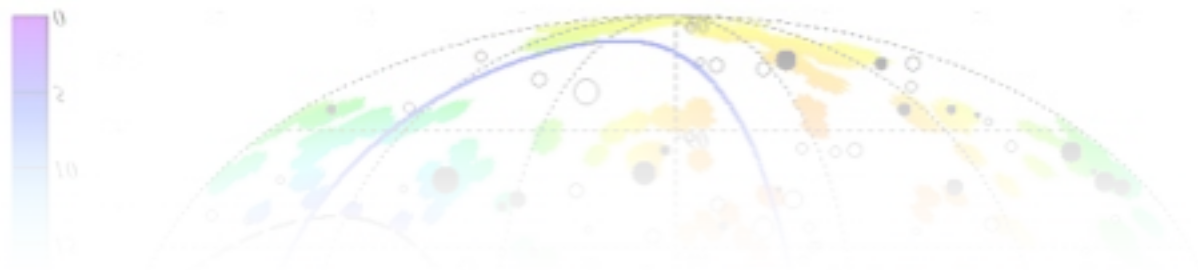
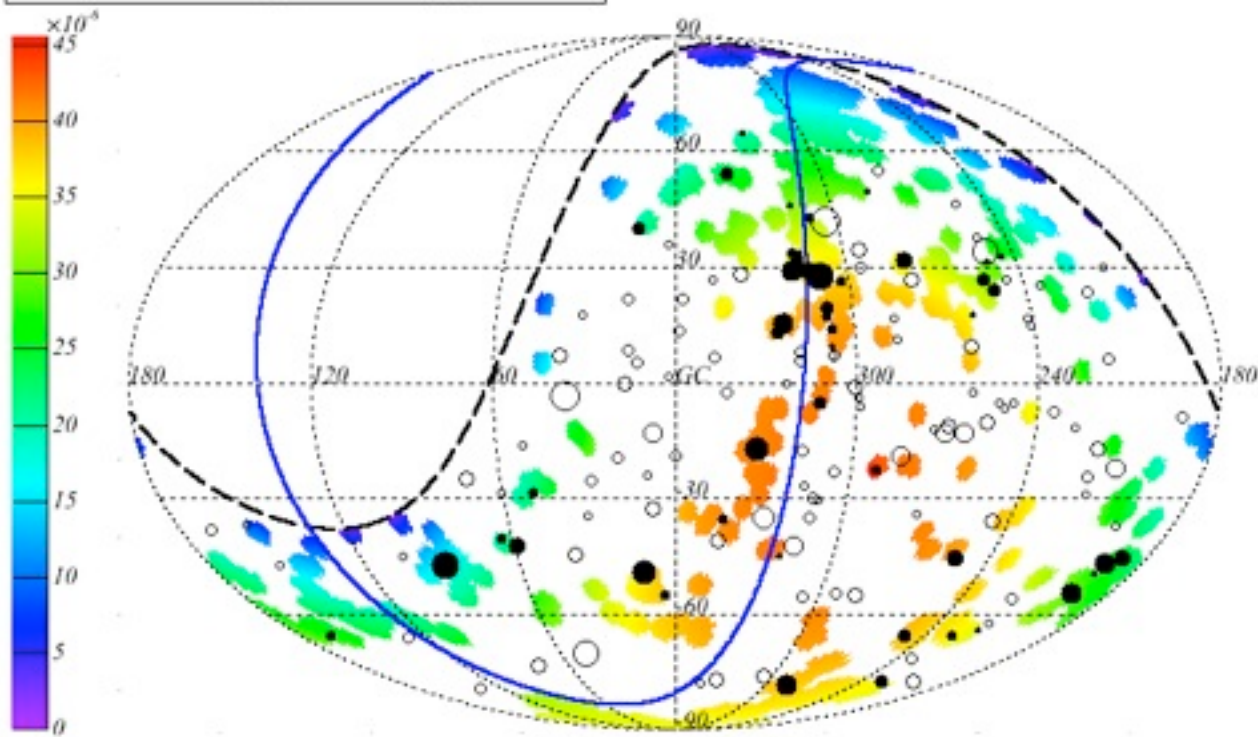
Swift 70 mo (unknown z), $\sigma = 3.2^\circ$

Old study



Old study

$E/E_{\text{TeV}} \geq 46.7, z \leq 0.017, \psi \leq 3.1$



$E/E_{\text{TeV}} \geq 46.7, z \leq 0.017, \psi \leq 3.1$

