# Attempts to evade

- Optically thick
  - But, variability observed
  - Published spectra optically thin

- "Re-normalize"
  - No longer explain Gamma Ray Background
    - (or anything else)

- Huge magnetic fields
  - Violate observed upper limit (Faraday rotation)

- Assume low-energy CR's are all protons
  - Violates observations

- New sources beyond $10^{20}$ eV