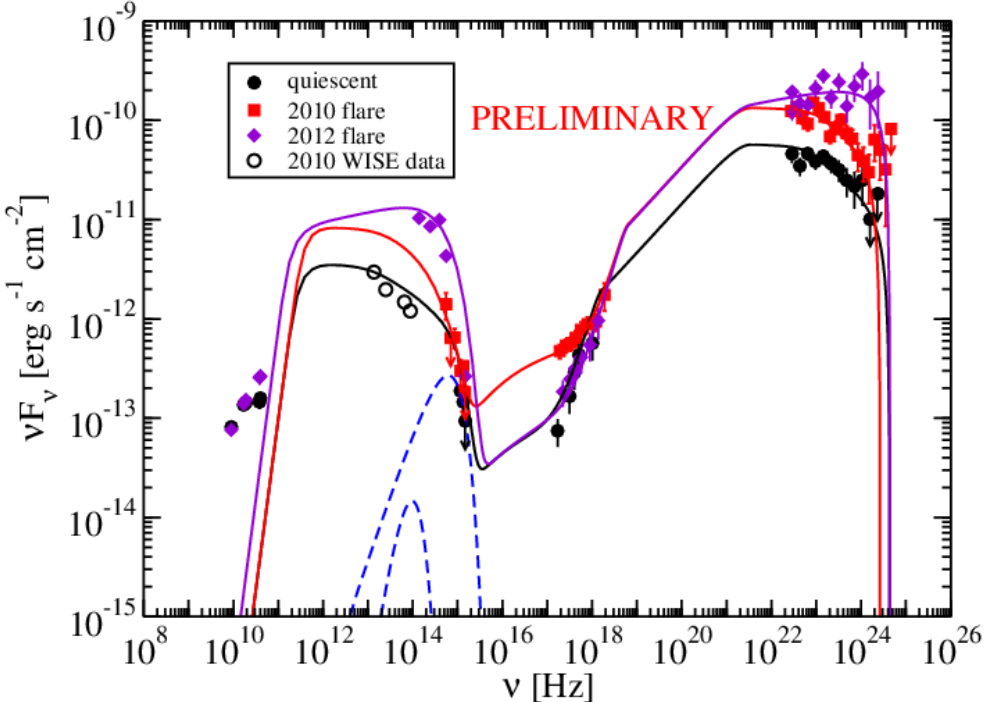
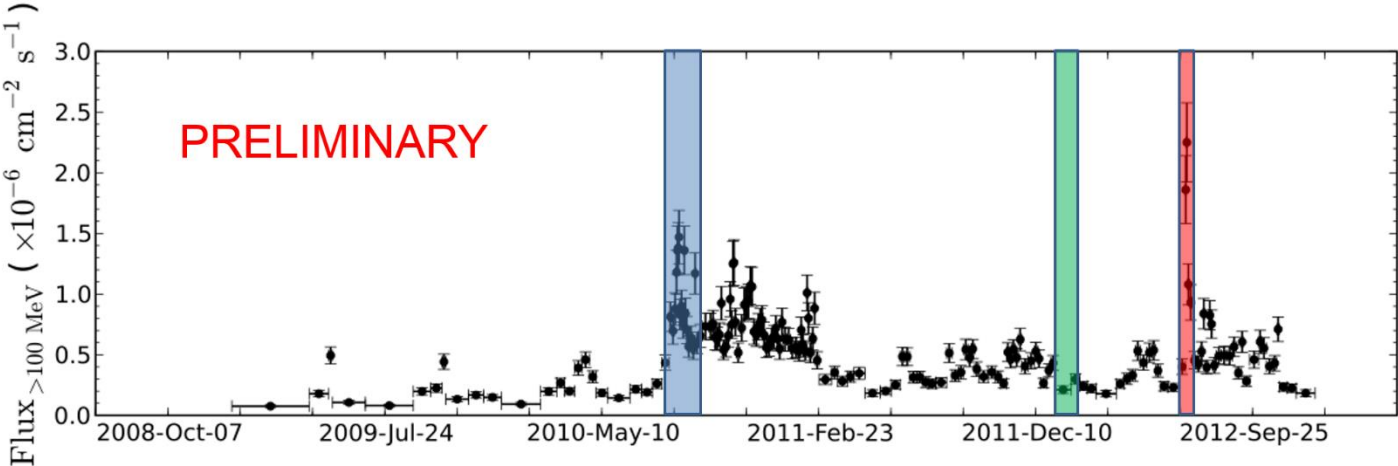


# Classification of Gamma-ray Flares in AGN

PKS 2326-502 spectral energy distributions in three different gamma-ray states



Gamma-ray light curve of PKS 2326-502 with the periods of multi-wavelength observations marked



# Flare Types

- Type 1 flares require can be fit by changing only the electron distribution from the quiescent model.
- Type 2 flares require a change in the electron distribution and at least one other parameter (e.g. the size of the emitting region or the magnetic field).
- These flare types can be further subdivided into subclasses.
- Type 1a flares show increased emission at both gamma-ray and optical wavebands.
- Type 1b only show the gamma-ray increase.
- Type 2a flares show an increase at gamma-ray and optical but not X-ray.
- Type 2b shows an increase at gamma-ray, X-ray and optical frequencies.