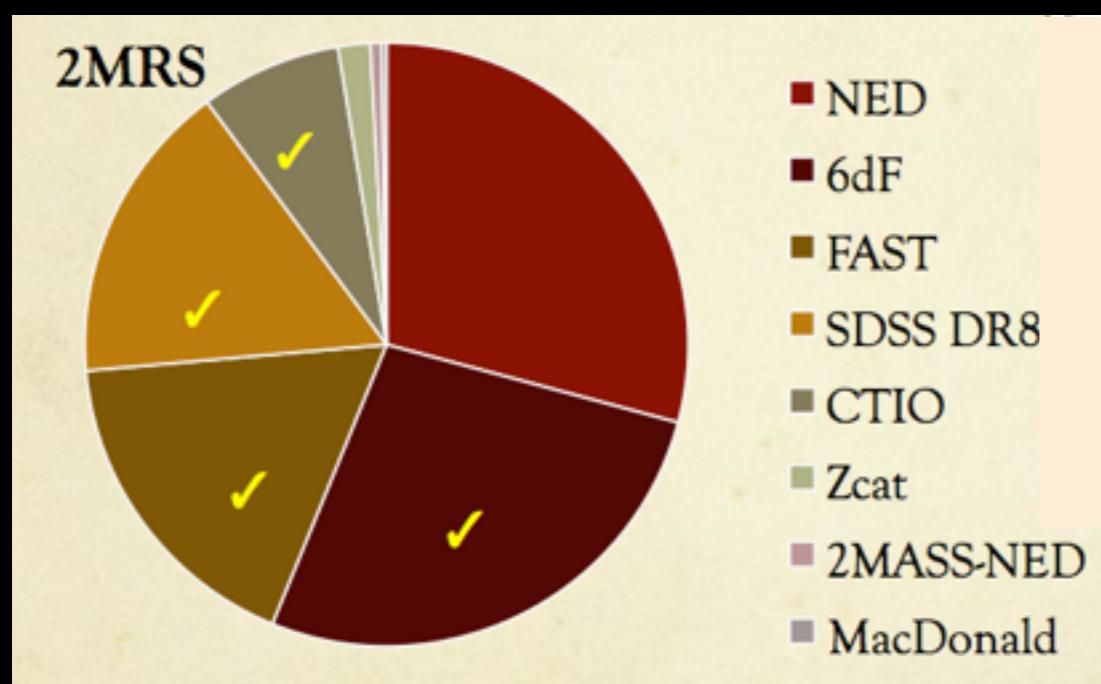
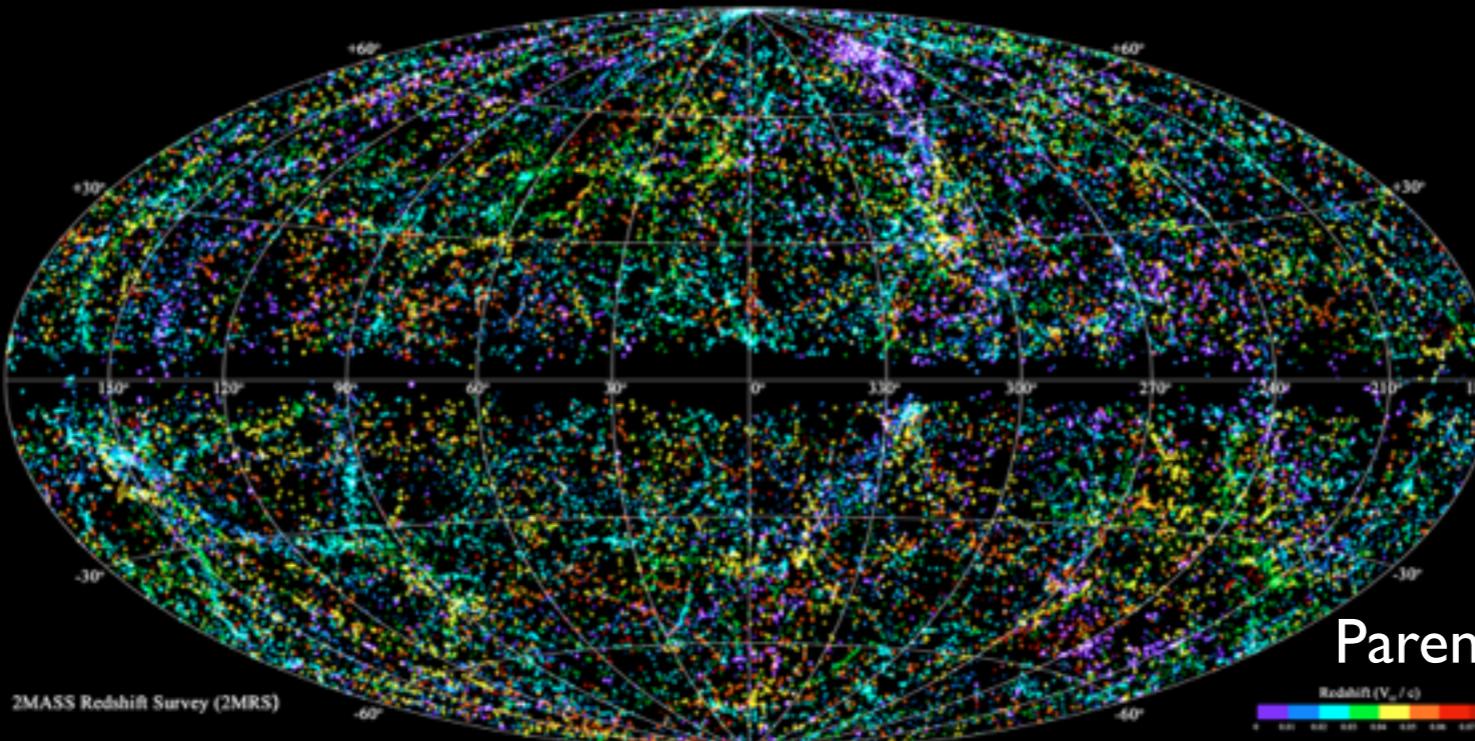


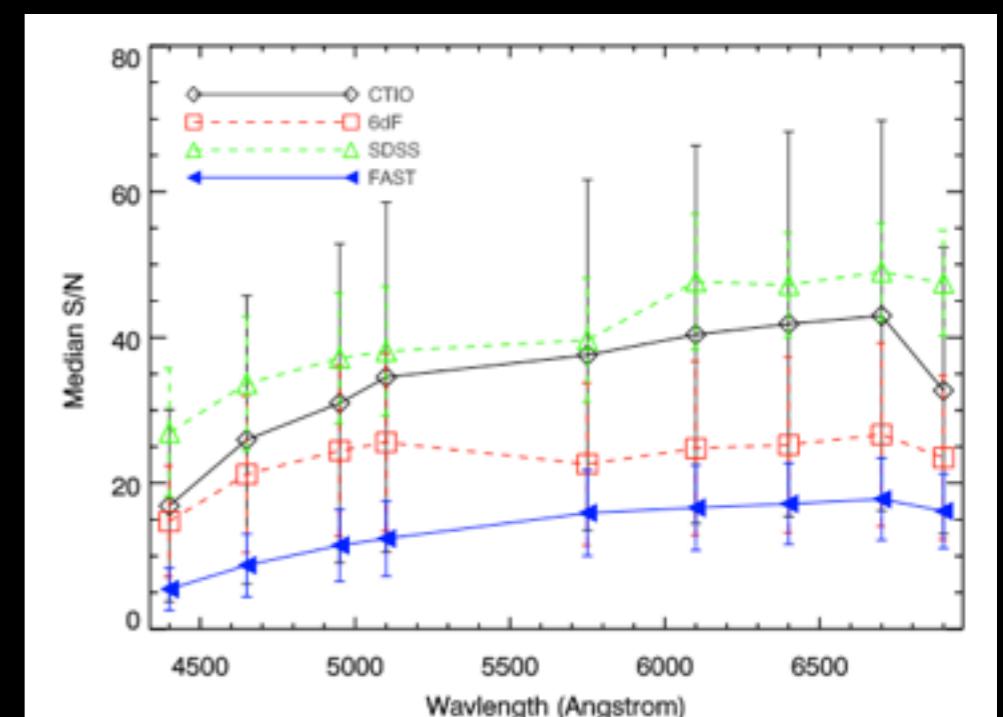
A Uniformly Selected, All-Sky Optical AGN Catalog for UHECR Correlation

Ingyin Zaw¹, Yanping Chen¹, Glennys Farrar²

¹New York University Abu Dhabi, ²New York University



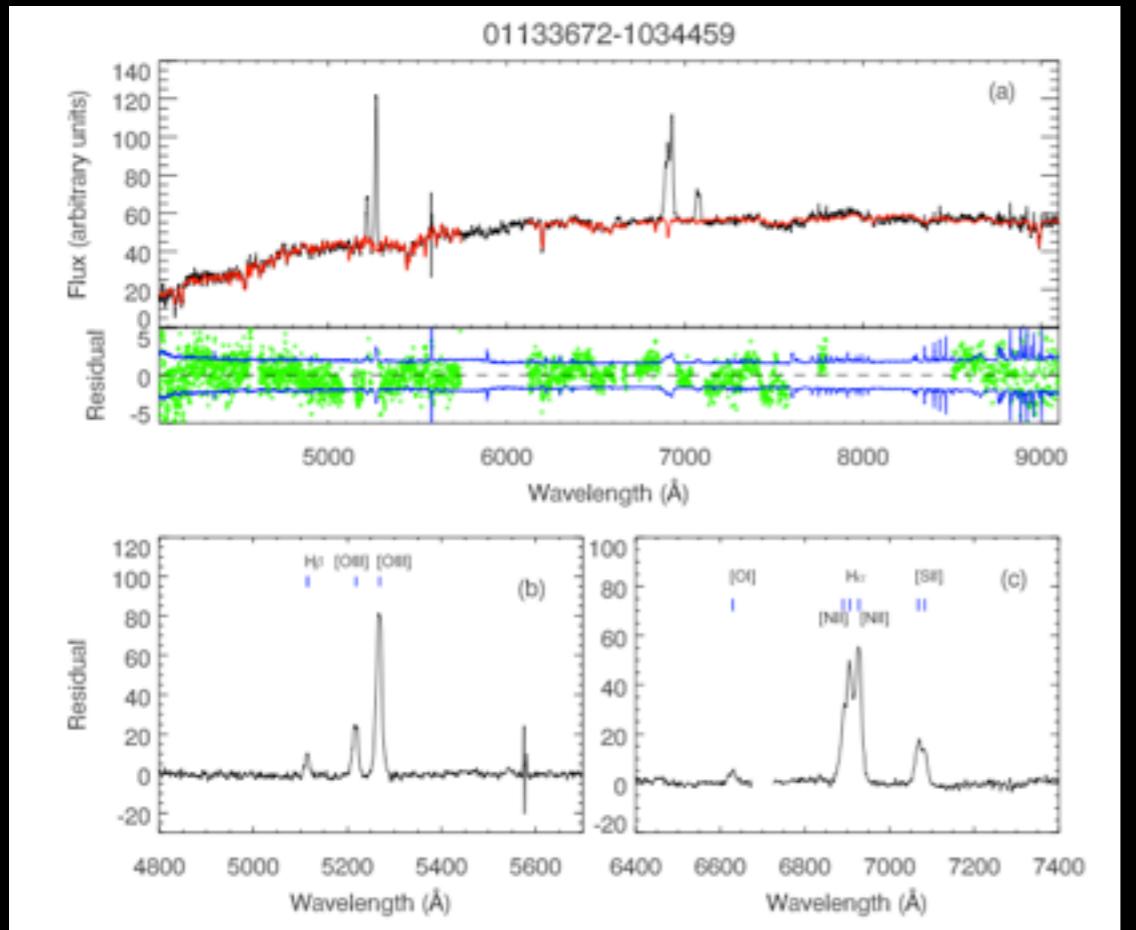
Spectra obtained



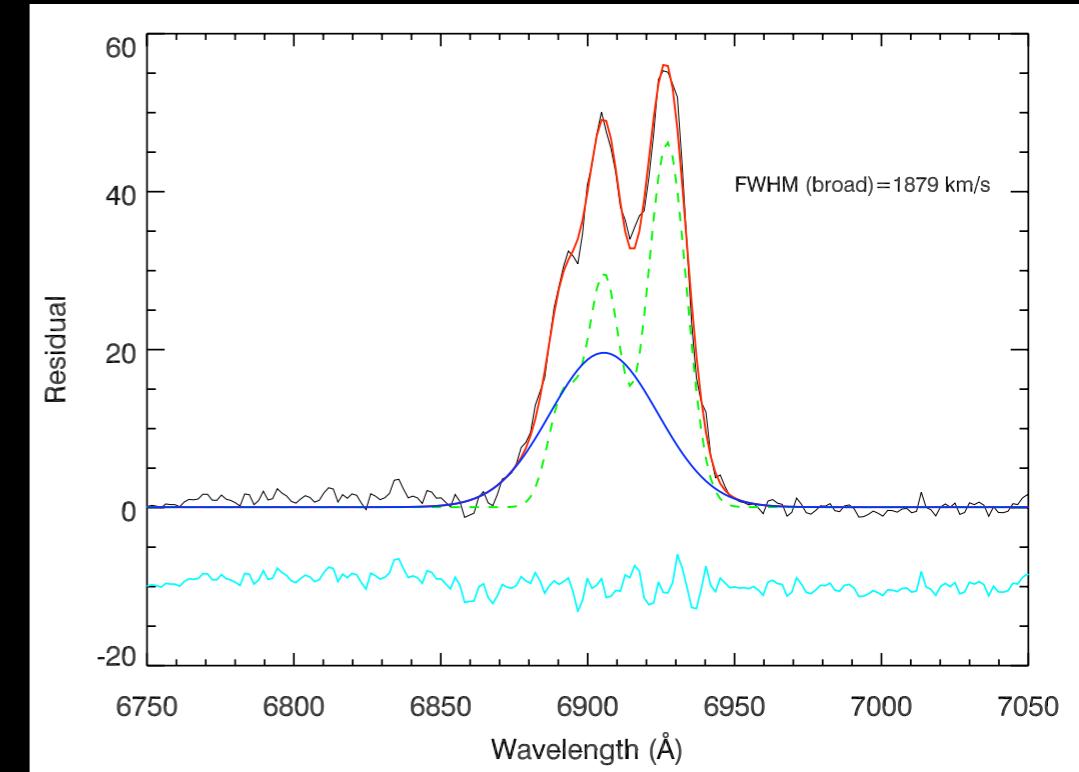
1

Spectral quality of subsamples

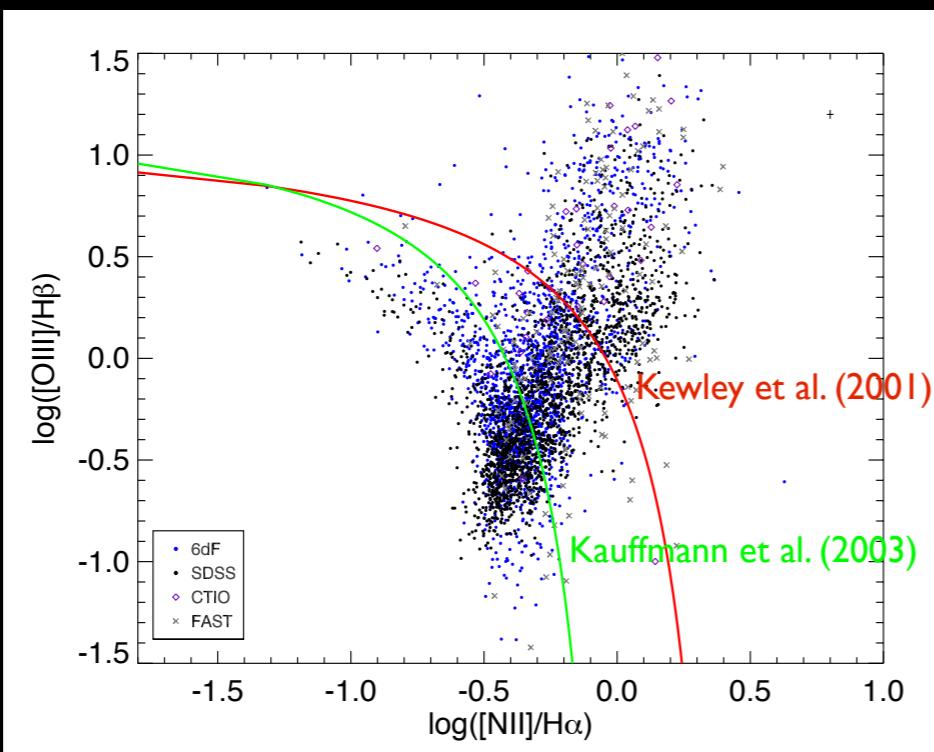
Spectral Fitting and AGN Identification



Fit for and subtract host galaxy contribution



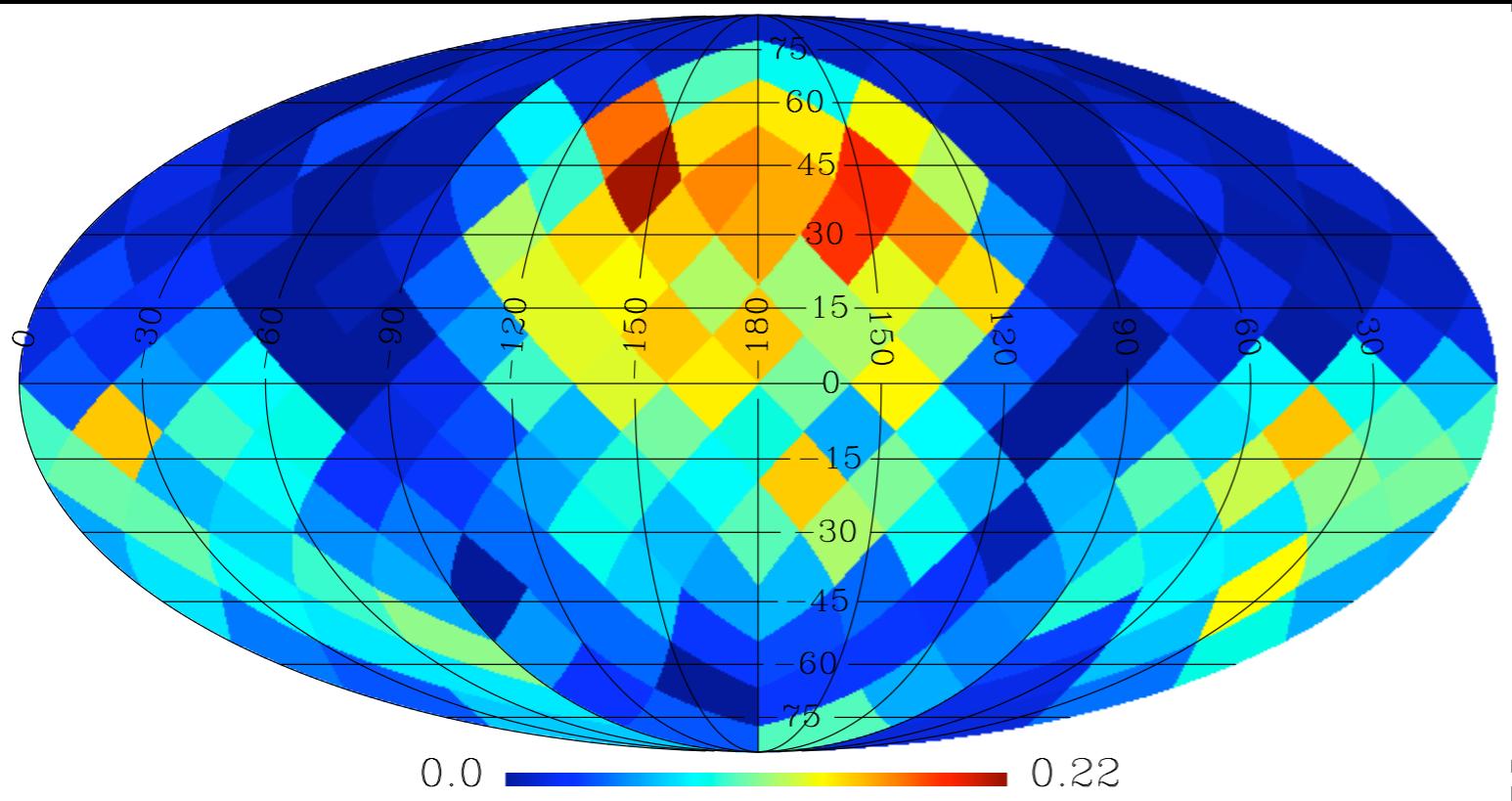
Gaussian fits of emission line fluxes



Identify Narrow Line AGN (Sy 2's) ₂

Broad H α
FWHM > 1000 km/s
Identify Broad Line AGN (Sy I's)

The Catalog



Sky distribution of AGN fraction

- Inhomogeneities in the North due to differences in spectral quality
- Galactic Plane excluded ($|b| > 10^\circ$)

<http://nyuad.nyu.edu/en/academics/faculty/ingyin-zaw/agn-catalog.html>

706 Seyfert I's
965 Seyfert 2's (Kewley (2001) criteria)
2365 Seyfert 2's (Kauffmann (2003) criteria)

