

はじめに：研究会の趣旨

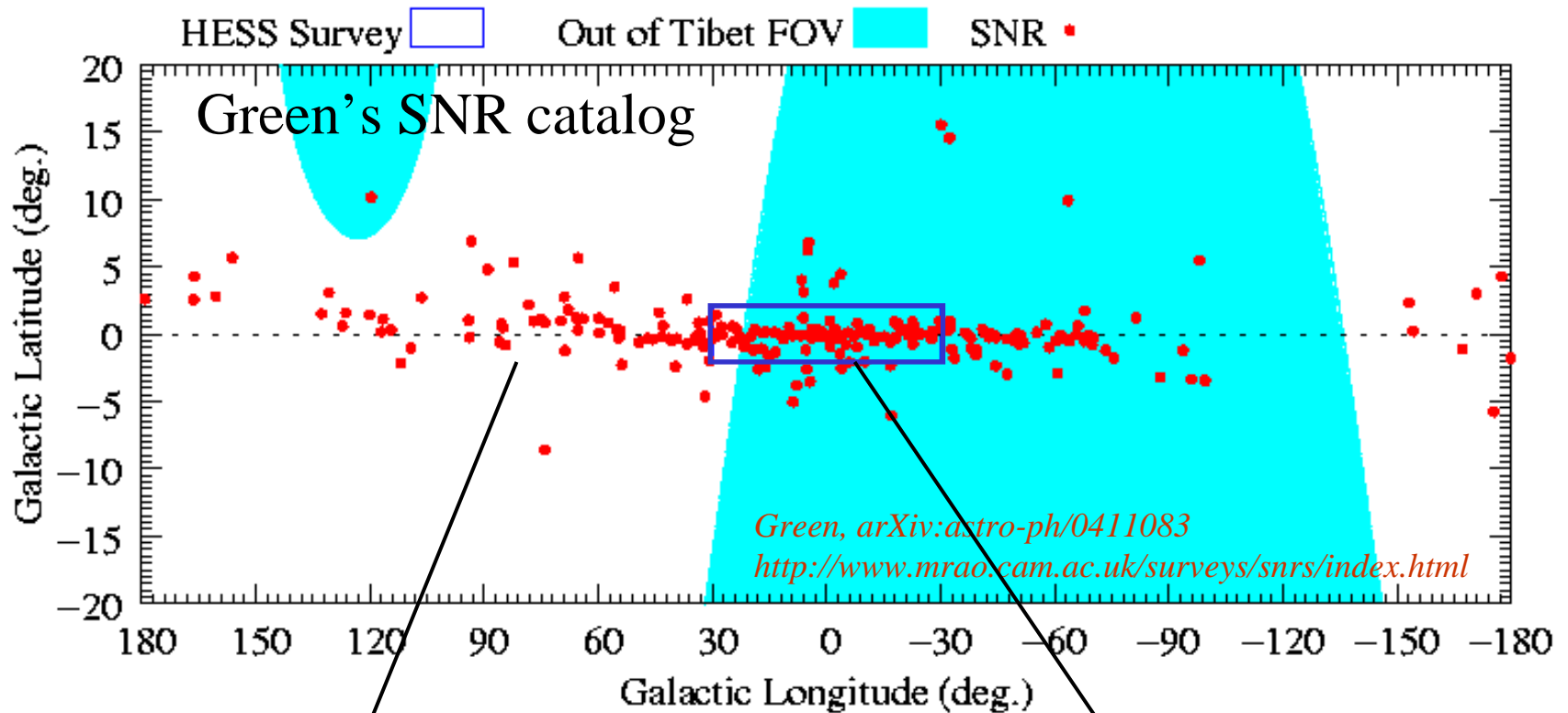
[Masato Takita](#) (ICRR, Univ. of Tokyo)

- HESS galactic survey
- 100 TeV gamma
- Knee cosmic rays

August 31, 2006

「宇宙線の起源、... 100TeV領域ガンマ放射天体の観測」 研究会 at ICRR

HESS survey on the galactic plane



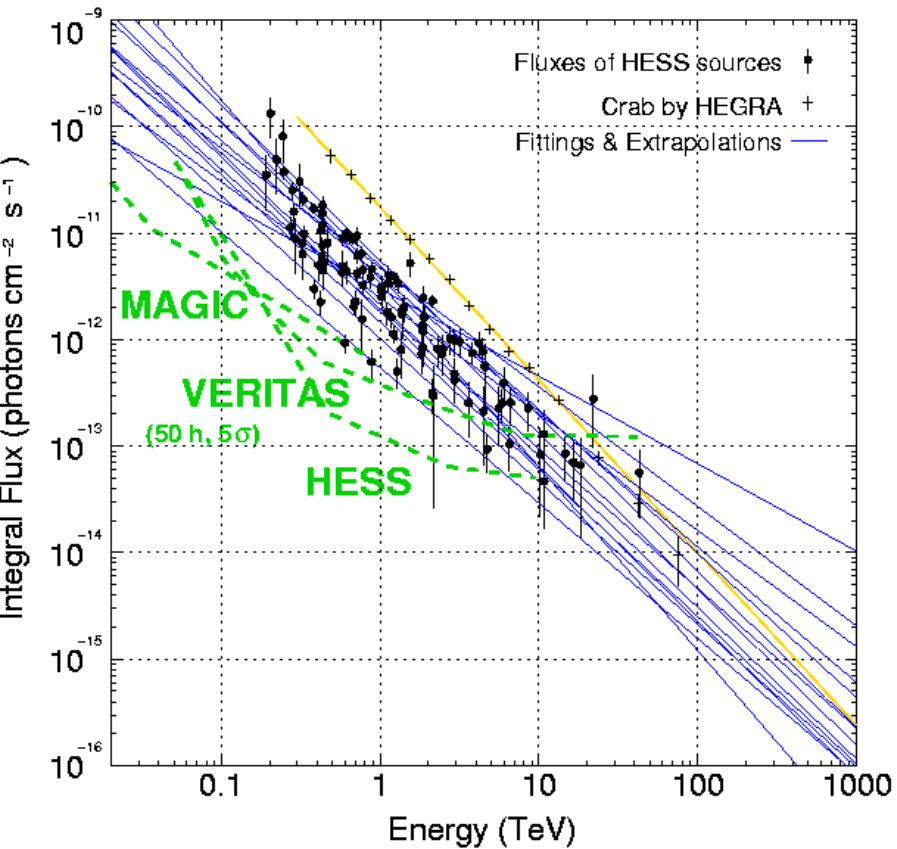
HESS survey region
82 SNRs



detected 14 new sources
in TeV region

Energy Spectrum of HESS sources

Consistent with
power law



Extrapolation

Aharonian et al, ApJ, 636, 777 (2006)

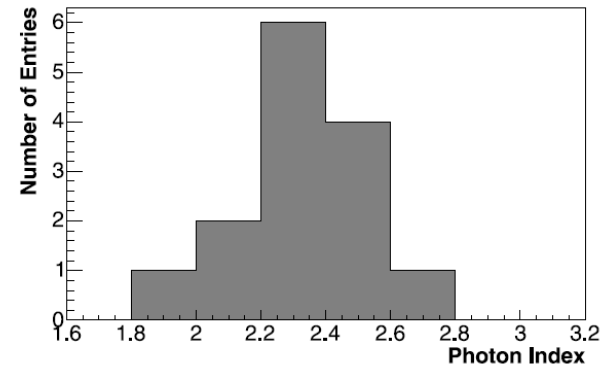


FIG. 8.—Distributions of the photon index of the new sources. The mean photon index is 2.32 with an rms of 0.2.

Indices are harder