

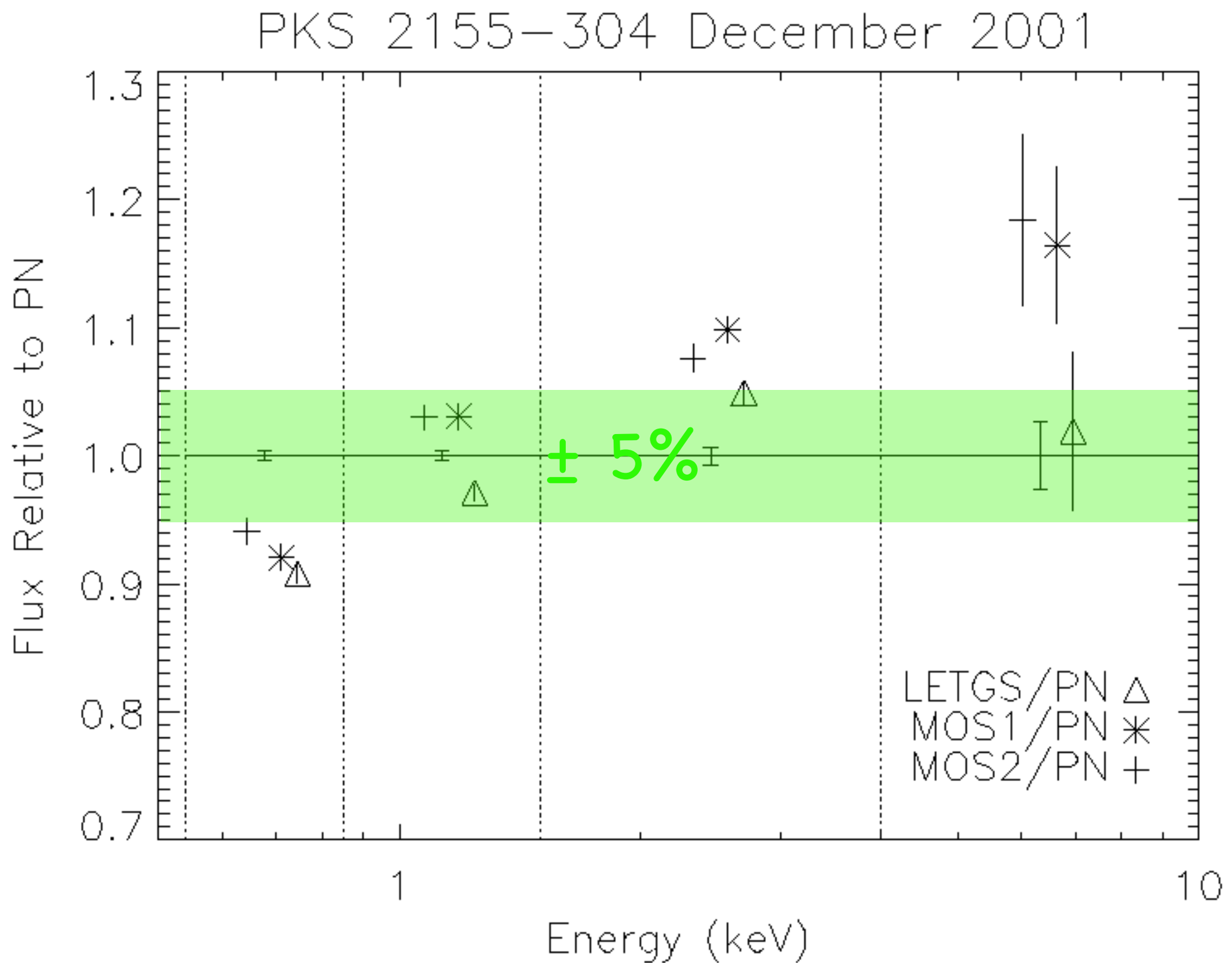
Comparing Fluxes in Bandpasses

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Bandpass Flux Measurement Methods

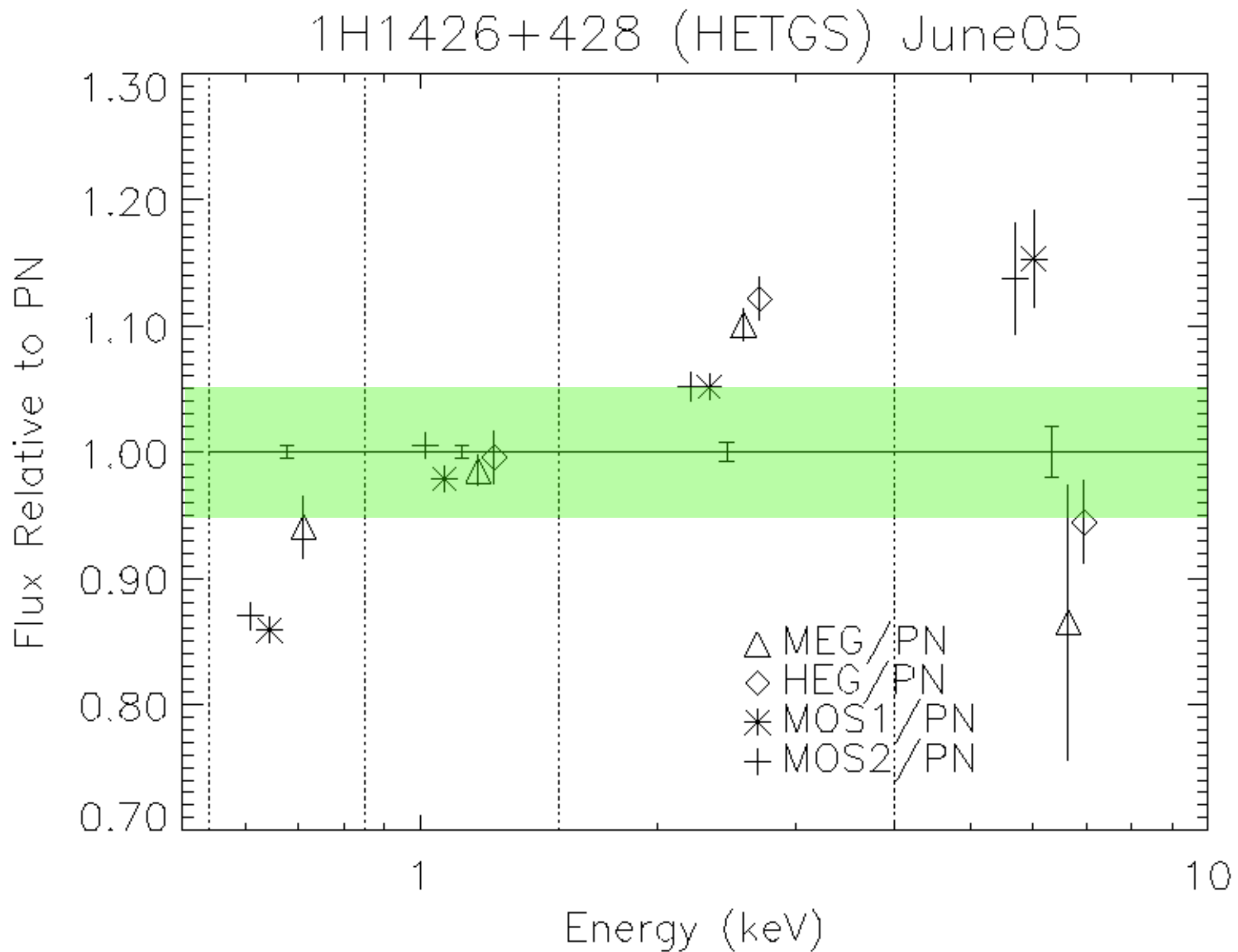
- Fit global model, compute flux from model (xspec)
- Fit model in band, compute flux in band from model (xspec)
- Sum fluxes for grating resolution elements
 - feasible due to narrow spectral response

Prev. Flux Comparisons



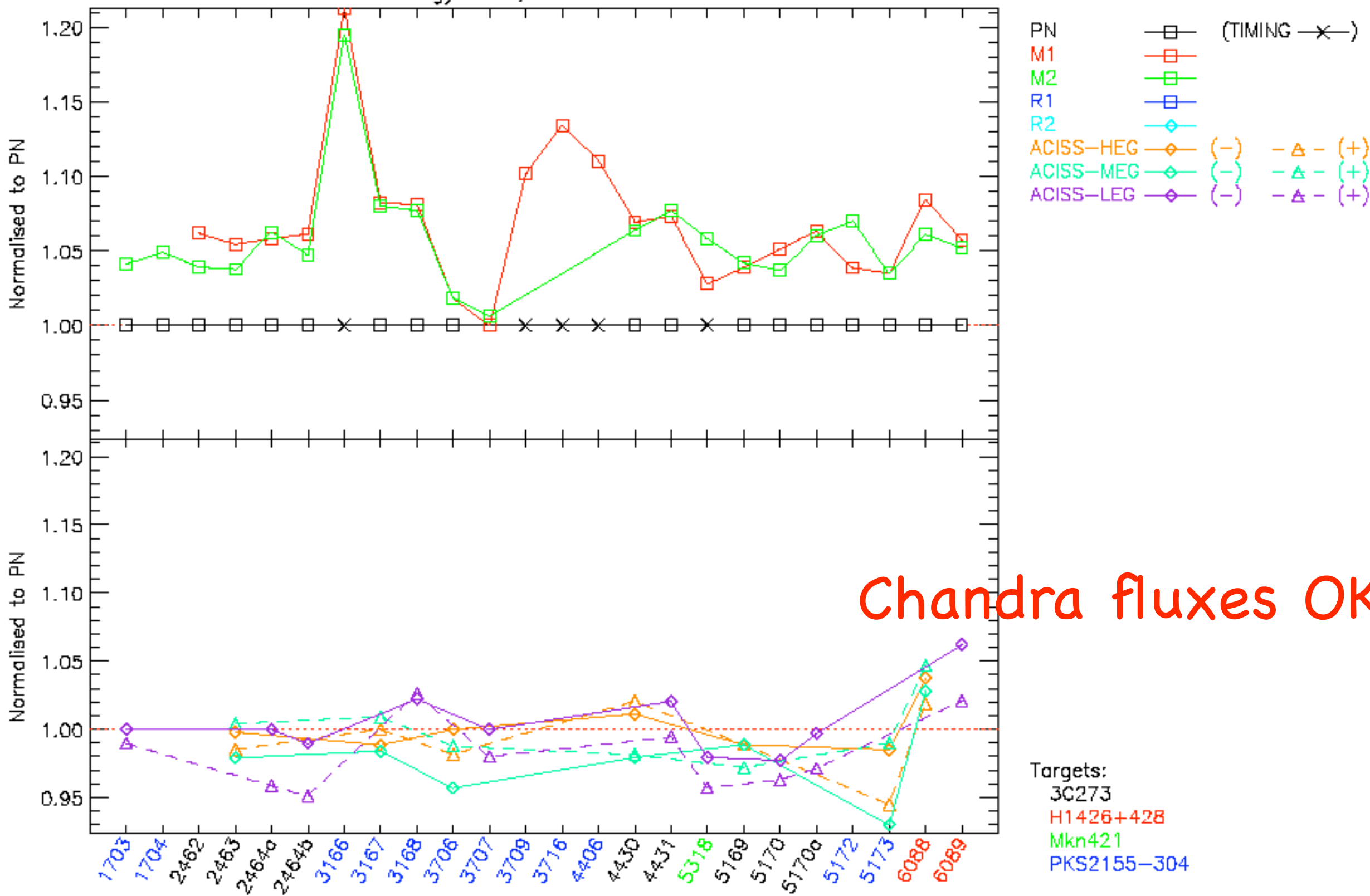
From HLM presentation in Mallorca, 2006

Prev. Flux Comparisons



From HLM presentation in Mallorca, 2006

Relative Energy Flux, 1.50 – 4.00 keV Band

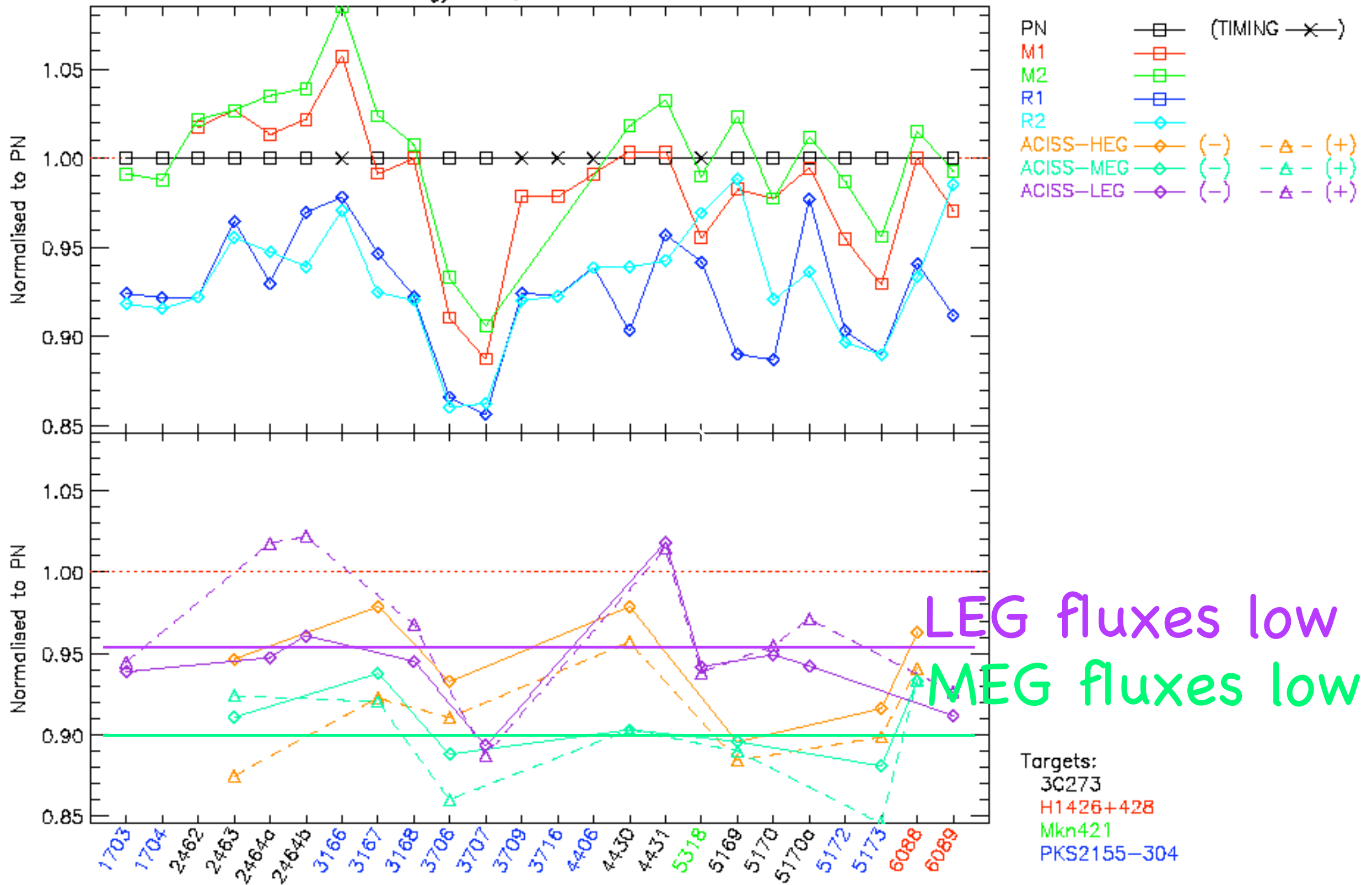


Chandra fluxes OK

- Targets:
 3C273
 H1426+428
 Mkn421
 PKS2155-304

From Michael Smith's analysis

Relative Energy Flux, 0.85 – 1.50 keV Band



From Michael Smith's analysis

Comparing Fluxes

- Compare to values from 8–10 global fits
- 0.54–0.85 keV band: LEG direct fluxes are 15% low; MEG agrees to 1%
- 0.85–1.50 keV band:
 - LEG direct fluxes are 7% low
 - MEG and HEG fluxes are both 2–3% low
- 1.50–4.00 keV band
 - LEG direct fluxes are 1% low -- OK
 - MEG and HEG fluxes are w/in 1% — OK
- Fluxes differ by 5–10% (stat \leq 1%)
- HLM action: check LETGS results