

# Comparing Fluxes in Bandpasses

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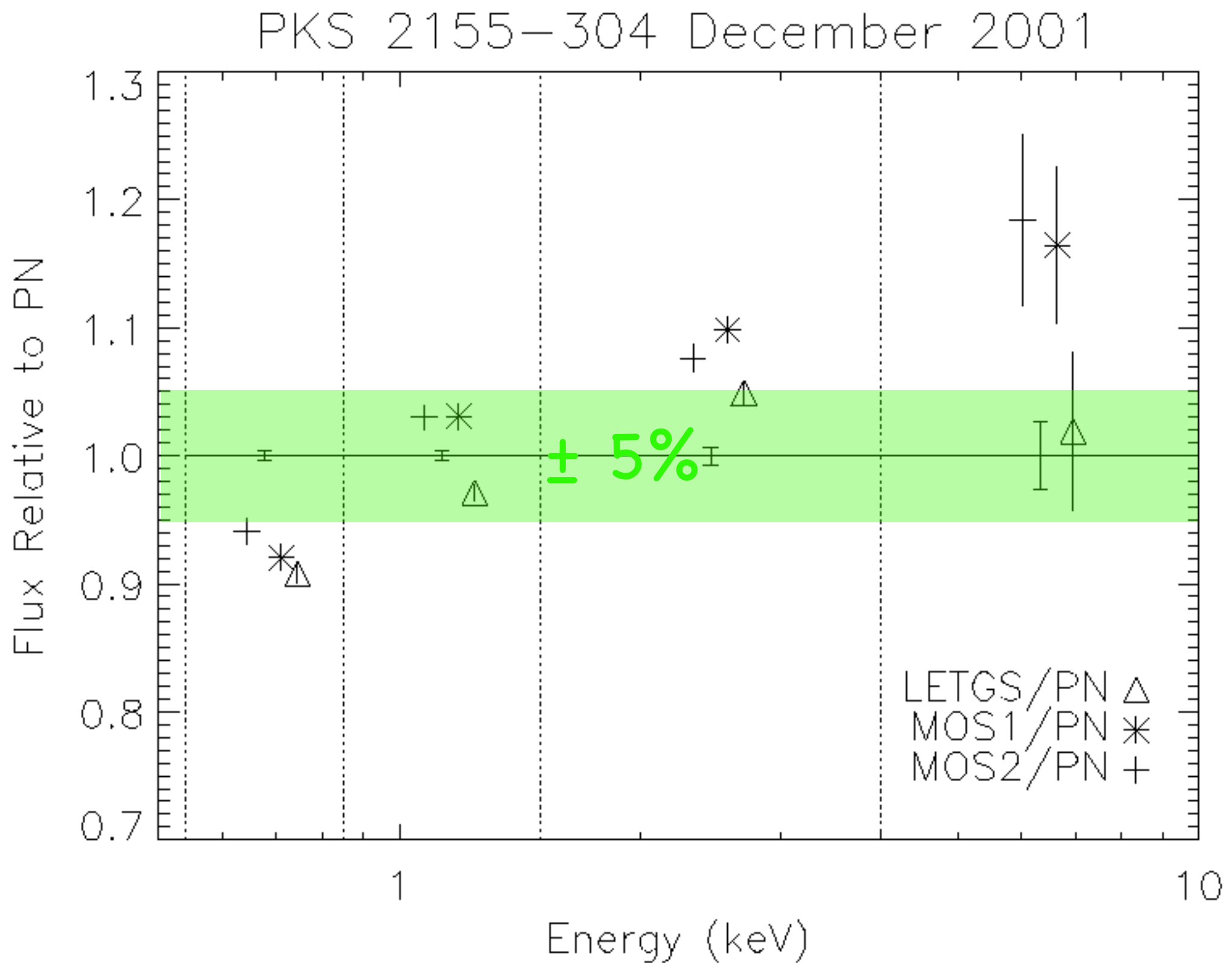


# Bandpass Flux Measurement Methods

- 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

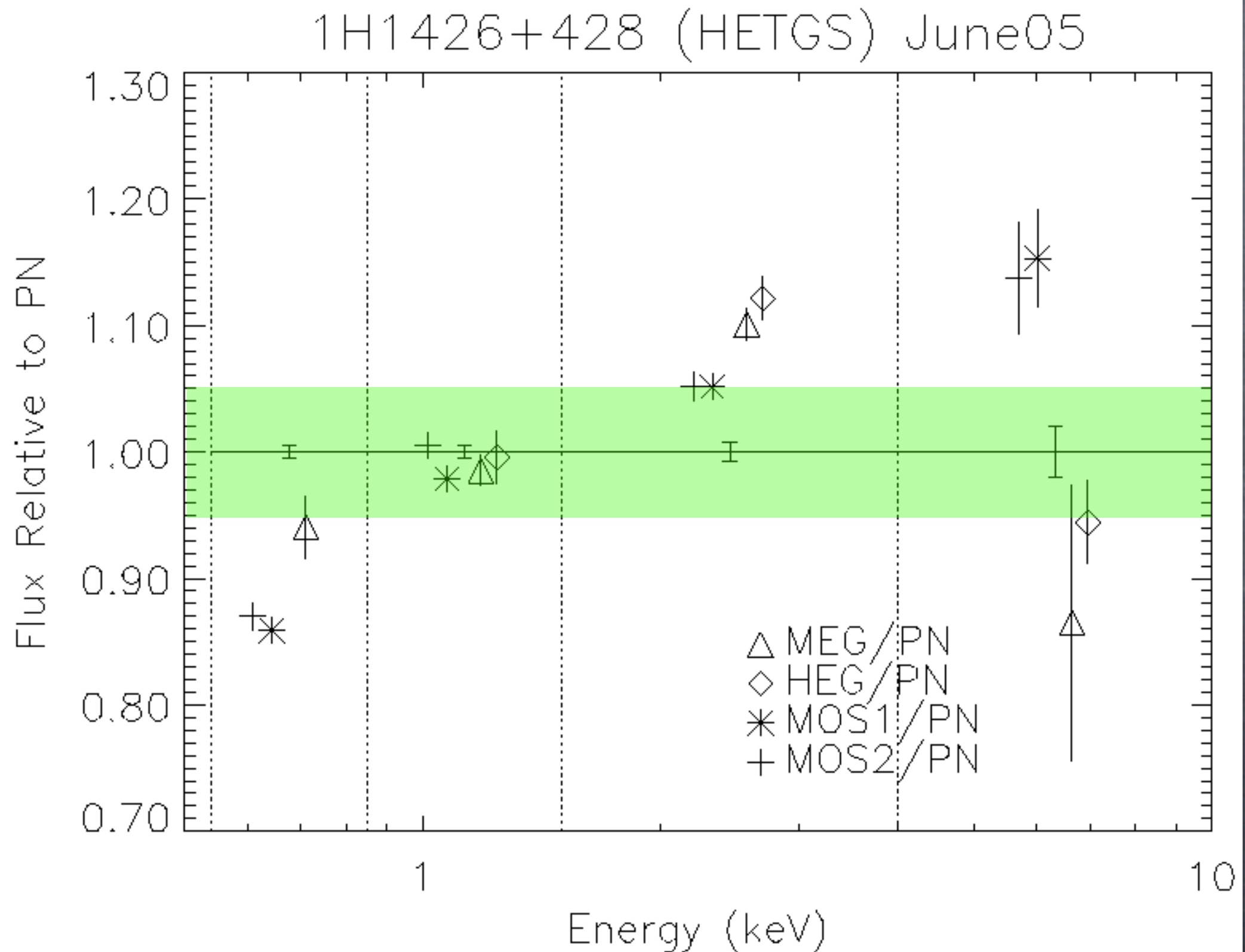


# Prev. Flux Comparisons



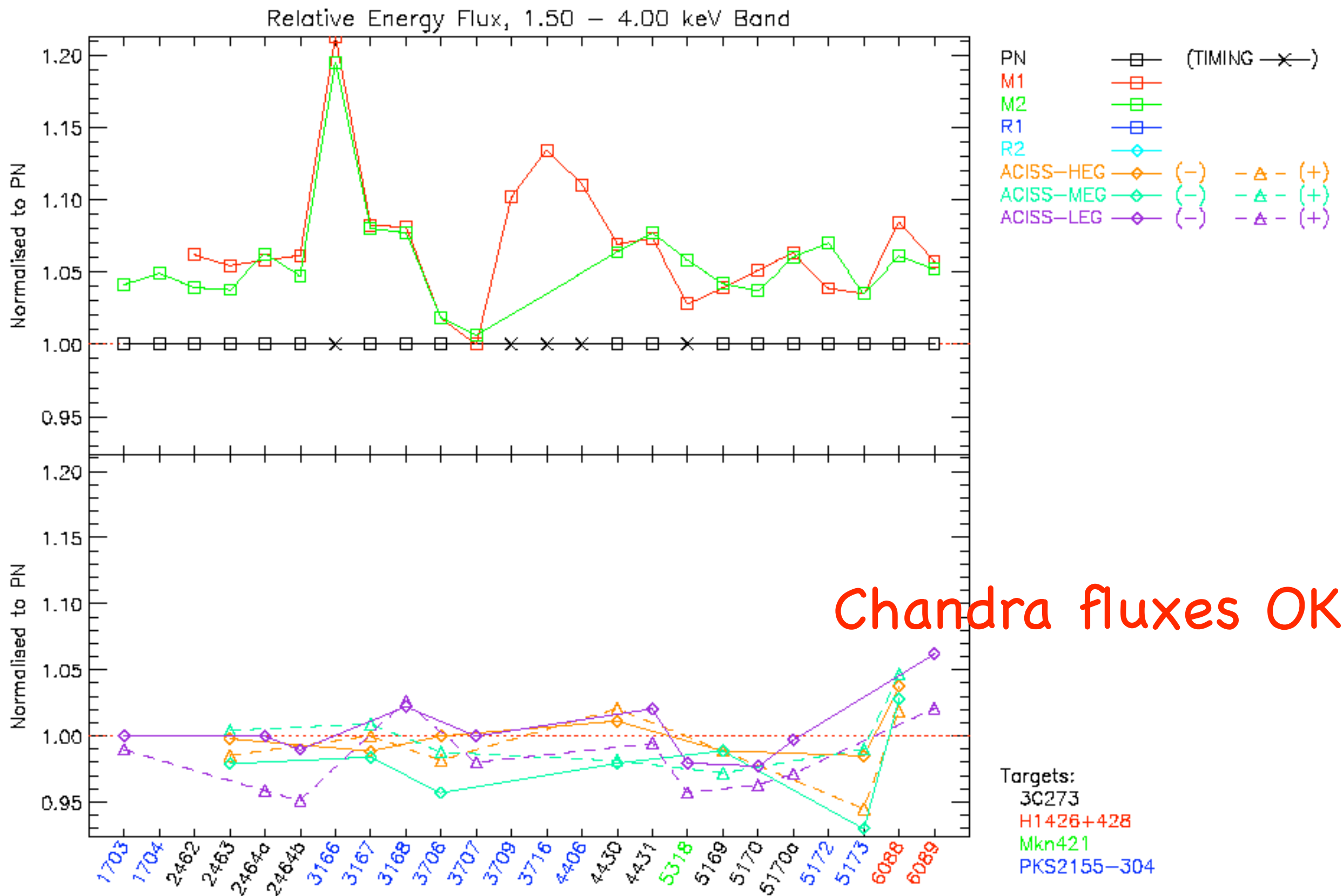
From HLM presentation in Mallorca, 2006

# Prev. Flux Comparisons

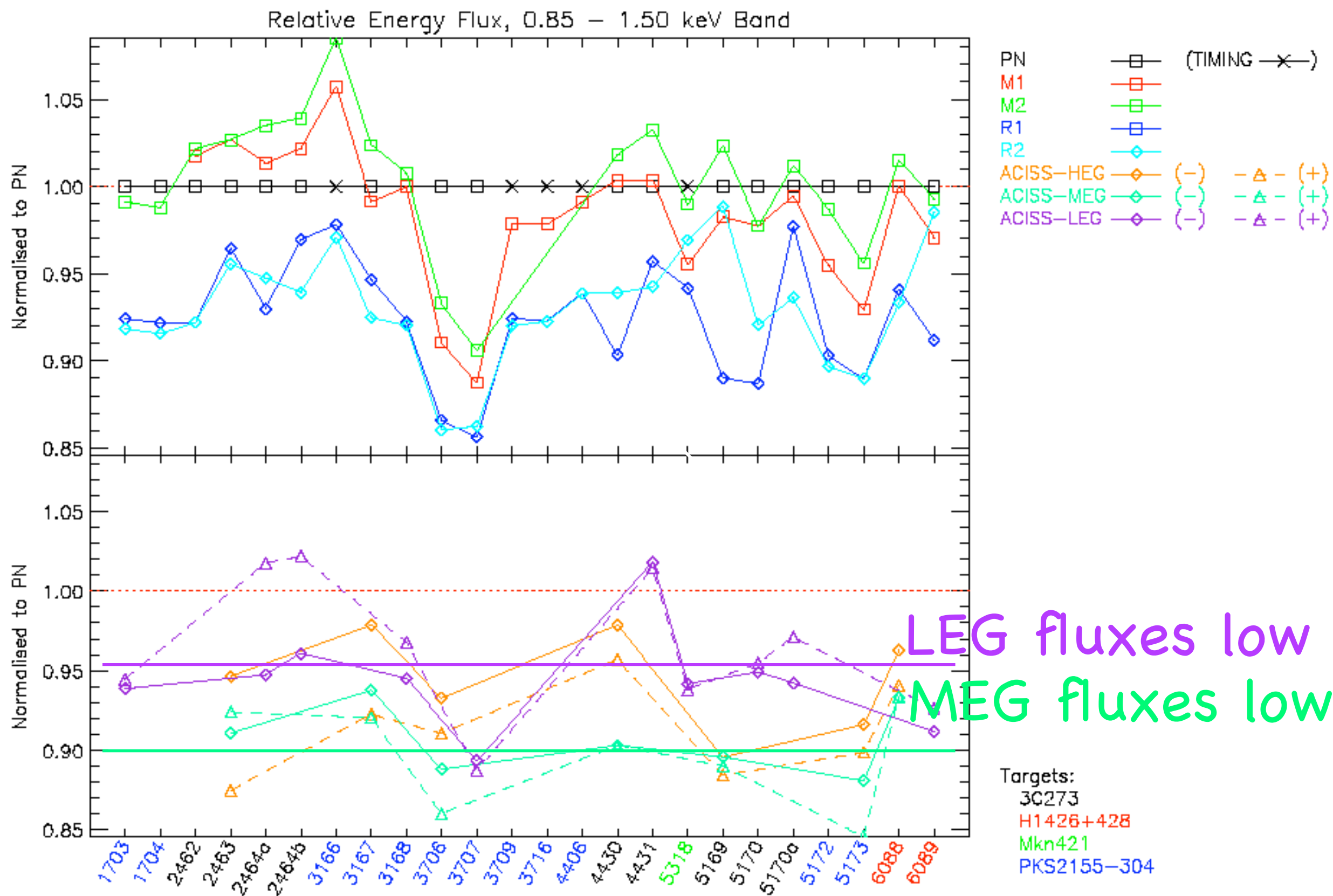


From HLM presentation in Mallorca, 2006





From Michael Smith's analysis



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