

# Cluster calibration

# PN - ACIS-S 0.5-2.0 keV comparison

- T consistent for A3571, A3112, A2052
- ACIS-S fluxes lower (up to 10%)

# HRMA contamination layer ...

- Smaller layer would lower  $A_{\text{eff}}$  at 2 keV and:
- give softer spectral models at 2-7 keV band = lower hard band T (agree with XMM)
- low band T remains constant (agree with XMM)
- low band ACIS-S flux higher (consistent with XMM)
- problem with Blazars?

# Sample

- 13 clusters: A262, A2052, MKW3S, A3112, A1795, A3571, Hydra-A, A2199, A2029, Perseus, A2163, NGC5044
- include ACIS-I?
- need for new observations?