

Cluster WG session

Status

- PN, MOS, MECS and ACIS-S temperature comparison of 11 clusters
- Hard band T: consistent at 1σ CL
- FeXXV/FeXXVI line ratio T: consistent at 1σ CL
- Hard band T and Fe line ratio T: consistent at 1σ CL
- Wide band: $T(\text{ACIS-S}) / T(\text{PN}) \sim 1.1 \rightarrow$
soft band calibration problems at 10% level

Goals

- Coma T comparison with XMM (PN, MOS1, MOS2), CHANDRA (ACIS-S, ACIS-I) and Suzaku (XIS0, XIS1, XIS3) (Suzaku not a high priority)
- point is to show that MOS1 = MOS2, ACIS-S = ACIS-I then use MOS = MOS1+MOS2 (more MOS photons) , ACIS = ACIS-I or ACIS-S (more ACIS clusters)
- 2T model of 0.5-7 keV band, residual comparison
- joint hard band and Fe line ratio fit of different instruments for precise comparison

- Fe line ratio independence of calibration
- Flux comparison
- Look at isolated SN for soft band XMM/Chandra difference
- submit results to A&A within 3 months
- proposals for re-observations (A3571 and A2029 not observed by Suzaku)
- Put data and responses in a web site