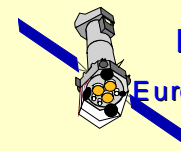


EPIC long term calibration



Marcus G. F. Kirsch



main plans for the future

- MOS:
 - Redistribution for line rich sources not yet perfect in lines
 - High energy flux higher than pn
 - CTI update
 - CTI for special column areas
 - column dependent CTI correction (NO)
 - Spatial dependence of very low energy response of MOS (lab testing at LUX in 2006)
- pn:
 - Redistribution for line rich sources not yet perfect in lines
 - High energy flux lower than MOS, mirror measurements soon at PANTER (Feb 2006)
 - pn energy refinement for fast modes mode (CTI(energy, rate)), possibly NRCO needed
 - Fast modes drm
 - Random jumps in pn energy scale of <20 eV
 - Special CTI due to vent hole (can only be checked after implementation of column gain refinement)
 - usage of the FIFO-reset-counter for improving the integration time (lab measurements at IAAT, possible check also at PANTER in 2006)
 - Check of the rel timing accuracy with NRCOs in 2006
 - Investigation of double event behaviour (within 2 years)
 - Column gain refinement
 - Time jumps + timing document
- general:
 - Cross Cal document

