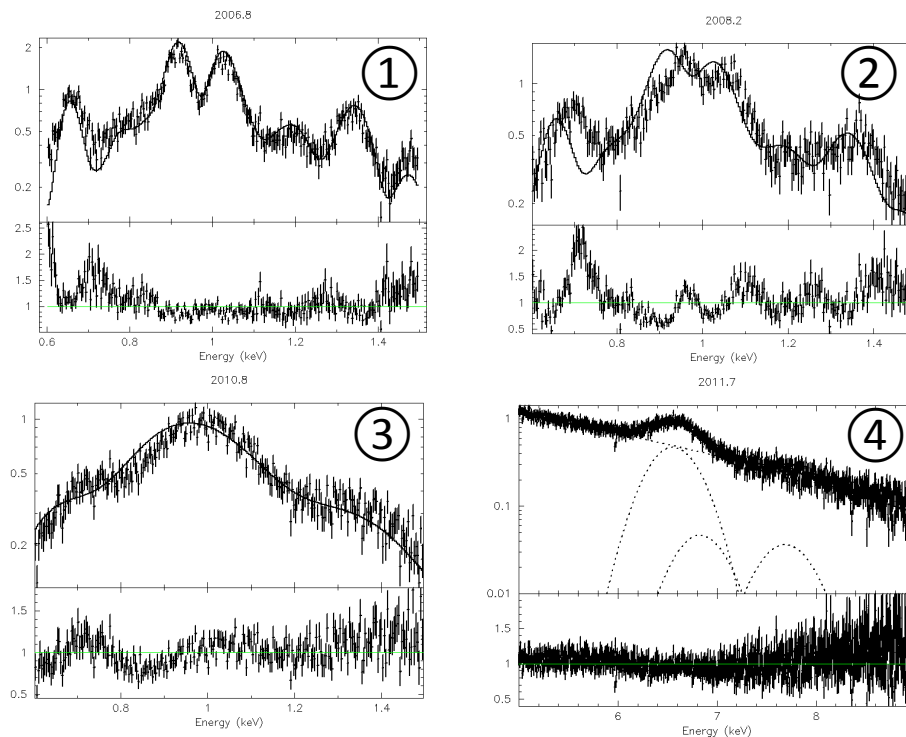


# Release note: Update of the XIS P-sum mode calibration

New makepi files -> ae\_xi?\_makepi\_20140624.fits

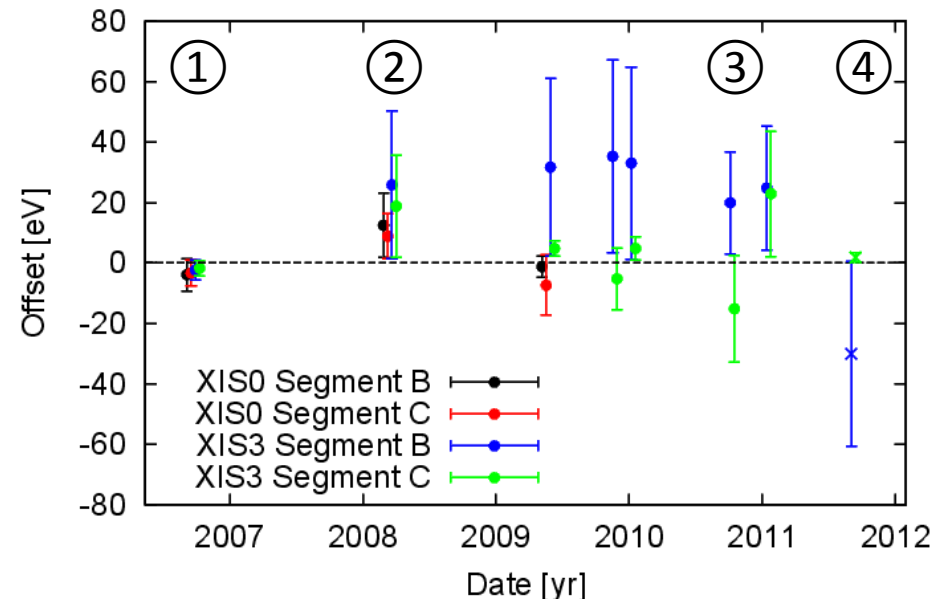
New rmfparam files -> ae\_xi?\_rmfparam\_20140624.fits

- The makepi and rmfparam files are updated to include the latest P-sum calibration results based on E0102-72 (XIS 0,3) and the Perseus cluster (XIS 3) data.
- P-sum calibration targets only for Segment B and C, only until 2009/6 for XIS 0 and only until 2011/7 for XIS 3.
- Perseus data are available only after 2011. Therefore, the XIS 0 calibration was only confirmed in the soft band using E0102-72.



The fitting results of E0102-72 (①, ②, ③) and Perseus cluster (④) on XIS 3 Segment B.

- Calibration is not guaranteed for data outside of these segments and periods.



Offset between the spectra reprocessed with the new calibration files and the models