Calibration uncertainty affects spectral fitting results, particularly of high count spectra.

**Fig. 2: High Count Spectrum Error Inflation**

Error Inflation ($\sigma_{\text{tot}}/\sigma_{\text{stat}}$) in $\Gamma$

- Counts
- Error Inflation ($\sigma_{\text{tot}}/\sigma_{\text{stat}}$) in $\Gamma$
There is a simple method to combine statistical and systemical uncertainties using Sherpa.

Check out the poster [C.10]

Statistics is the study of uncertainties (Lindley 2000).