Report from the White Dwarf (+ isolated Neutron Star) Working Group

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International Astronomical Consortium
for High Energy Calibration

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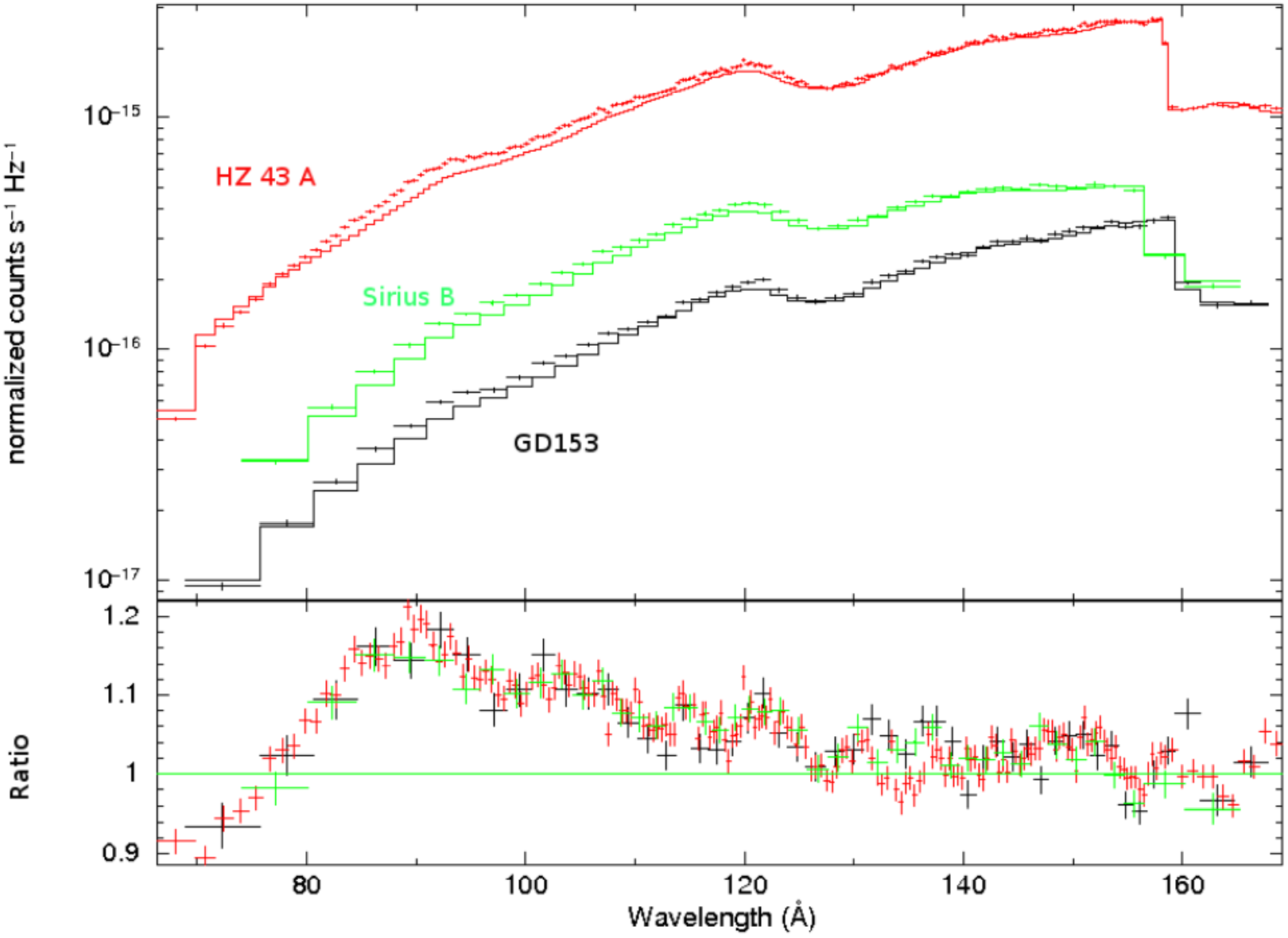
HZ43, Sirius B, and GD153

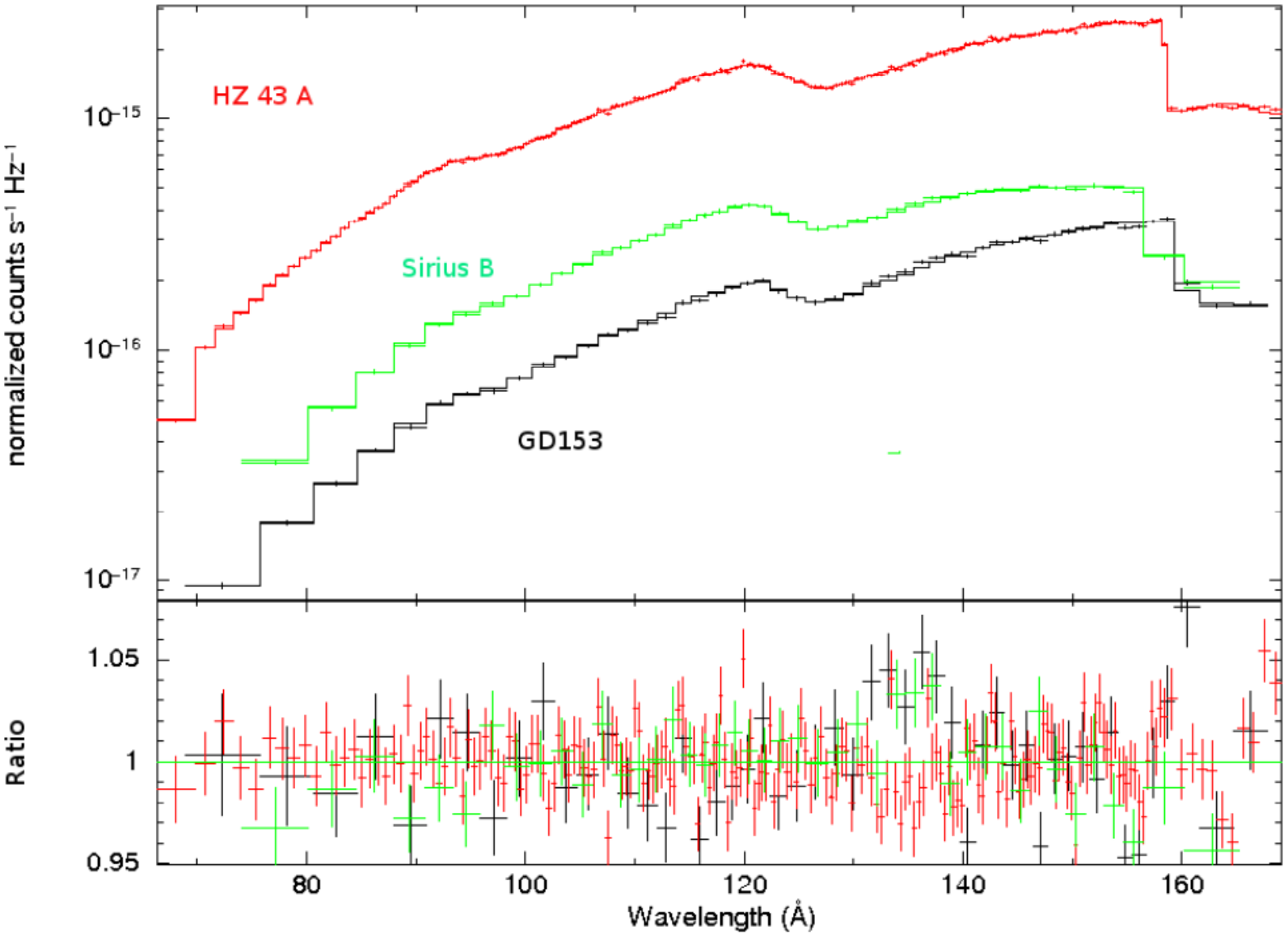


I. White Dwarf Paper

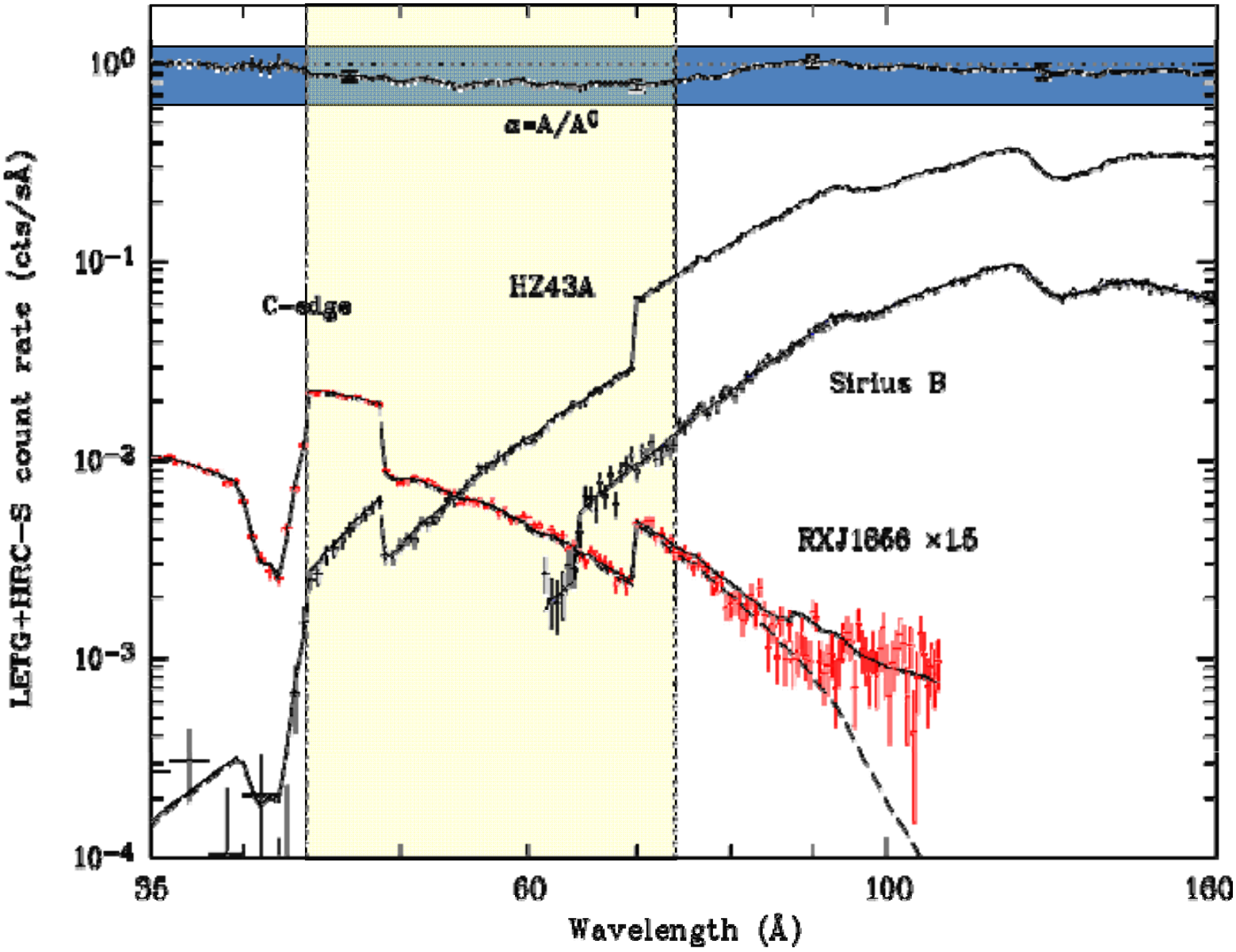
HZ 43 / Sirius B / GD153

- All have pure Hydrogen spectra
- Things to Check :
  - upper limit for Helium contribution
  - limits for gravitational redshift
  - Interstellar absorption
  - Log g well contrained from UV, optical and IR
- Fit ratios of spectra
  - independant of effective area
- Check + report
  - improvements needed for LETG +HRC-S soft effective area
- Prepare Paper

HZ43, Sirius B, and GD153



Simultaneous fit to RXJ1856 and the WDs



Beuermann et al. 2006, 2008

II. WDs + iNS

- RXJ1856 is a bridge spectrum between
  - the blazar (high energy) WDs (low energy) calibration
- New physical model
  - based on classical NS model atmospheres will be attempted
- Also proposal for new RXJ1856 discussed
  - **Cross Mission Calibration observation.**
  - With (200ks) LETGS observation
  - Check stability of Object Spectrum

III. Other things

- Prepare high resolution Super Soft Source spectra so that they can be used for calibration of CCD instruments. Where near simultaneous observations have been performed.
- Update Wiki, add links to data and models used.