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

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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 constrained 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.