

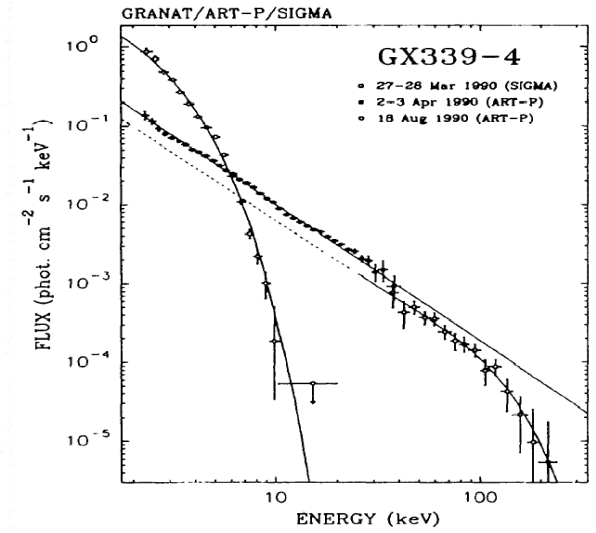
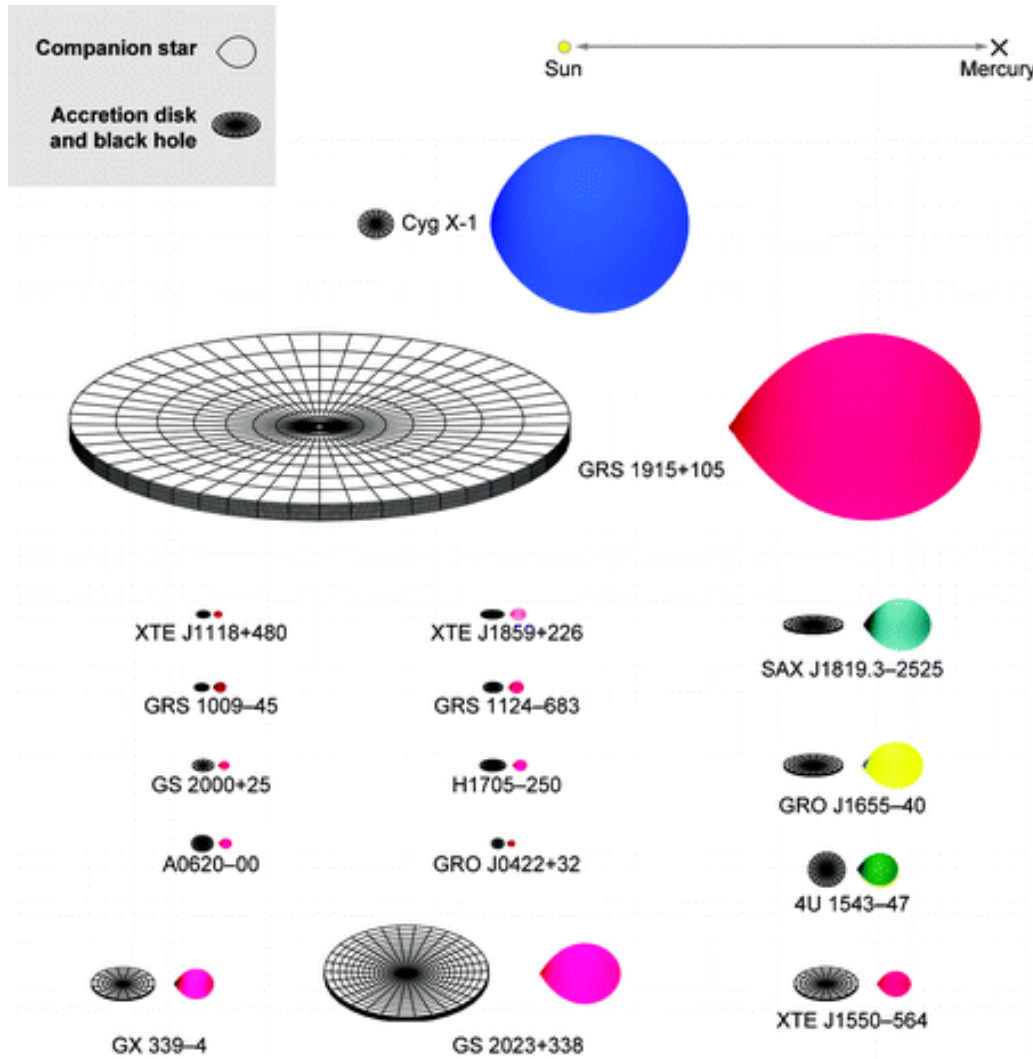
Study of black hole binaries with ASTROSAT

Baseline Science meeting

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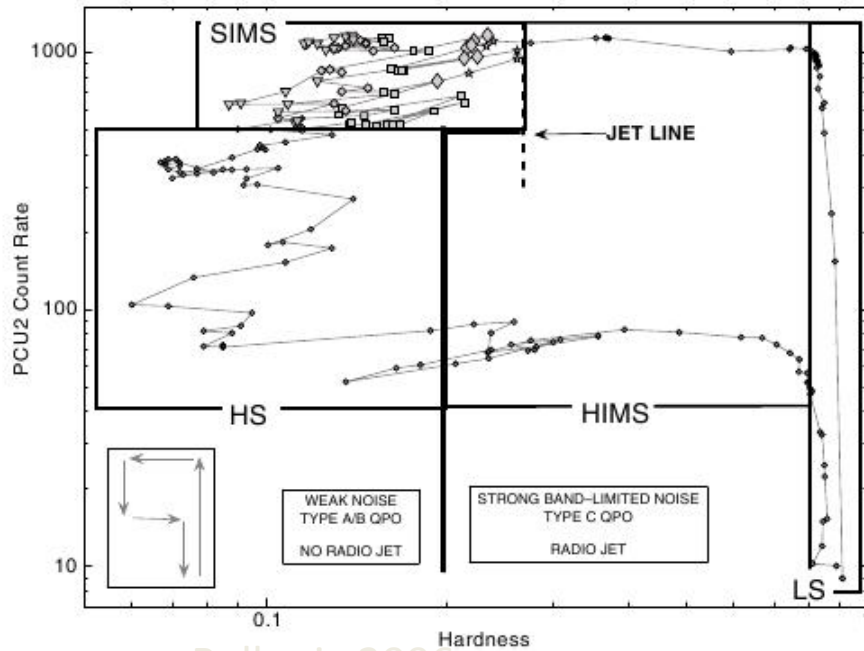
1. LAXPC scan for compact transients



Remillard RA, McClintock JE. 2006. Annu. Rev. Astron. Astrophys. 44:49-92

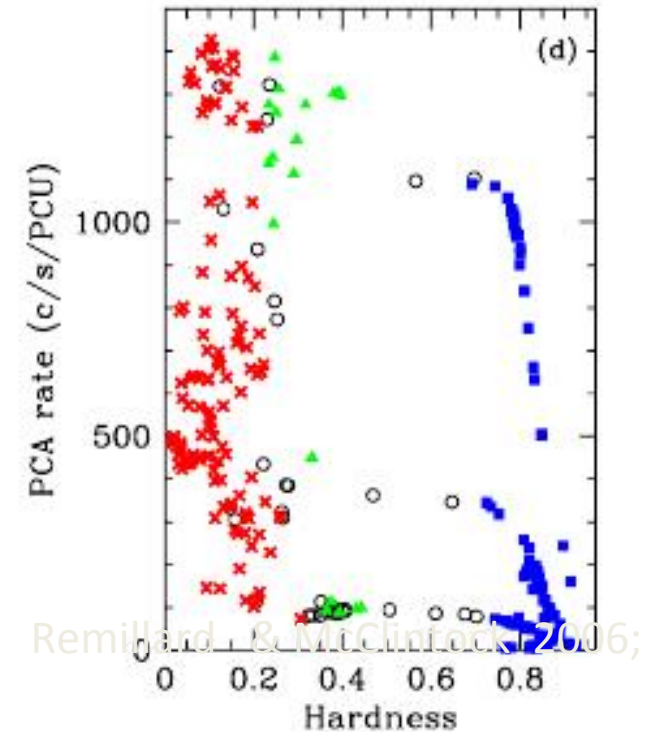
2. Timing and spectral studies

GX 339-4



Belloni 2006

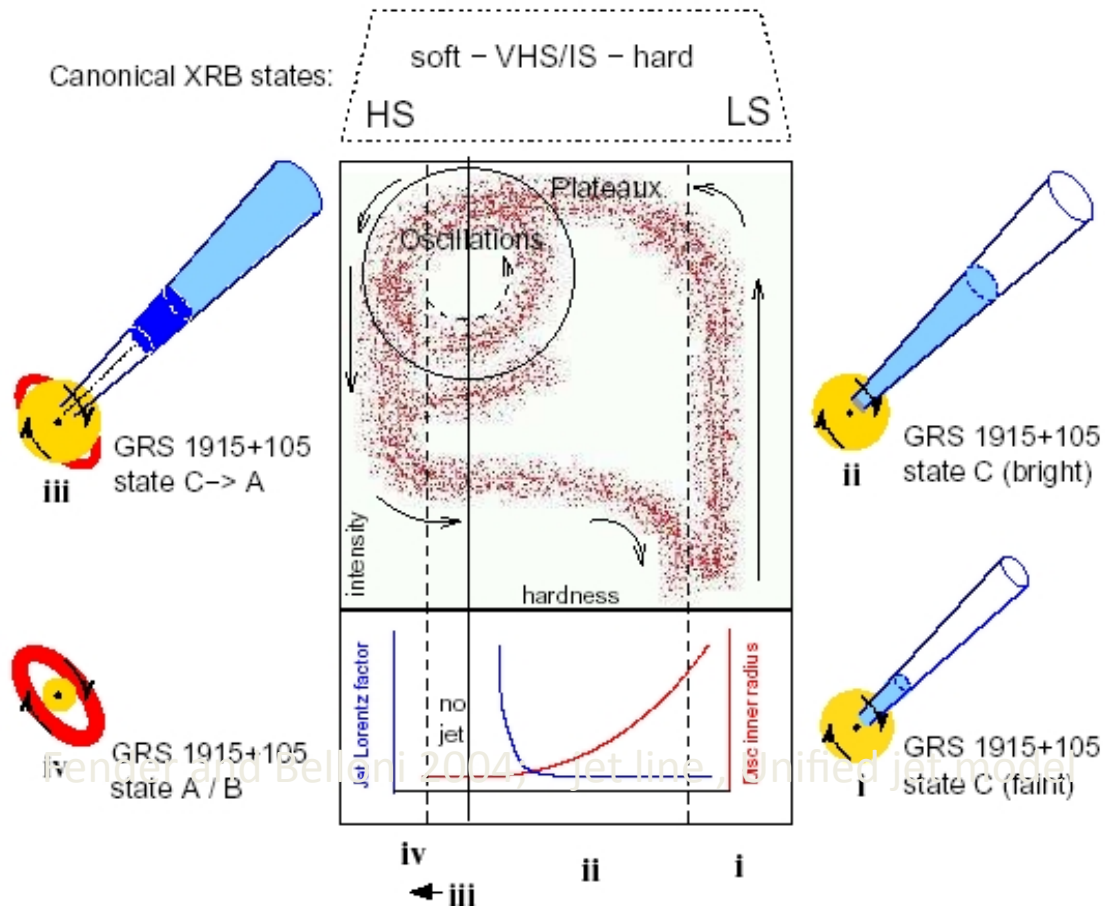
Fig. 1. Hardness-Intensity diagram of the 2002/2003 outburst of GX 339-4 as observed by the RXTE PCA. The lines mark the four source states



Remillard & McClintock 2006;

Outburst evolution & X-ray states

3. Study of transient jets



4. Sources with new type of X-ray classes

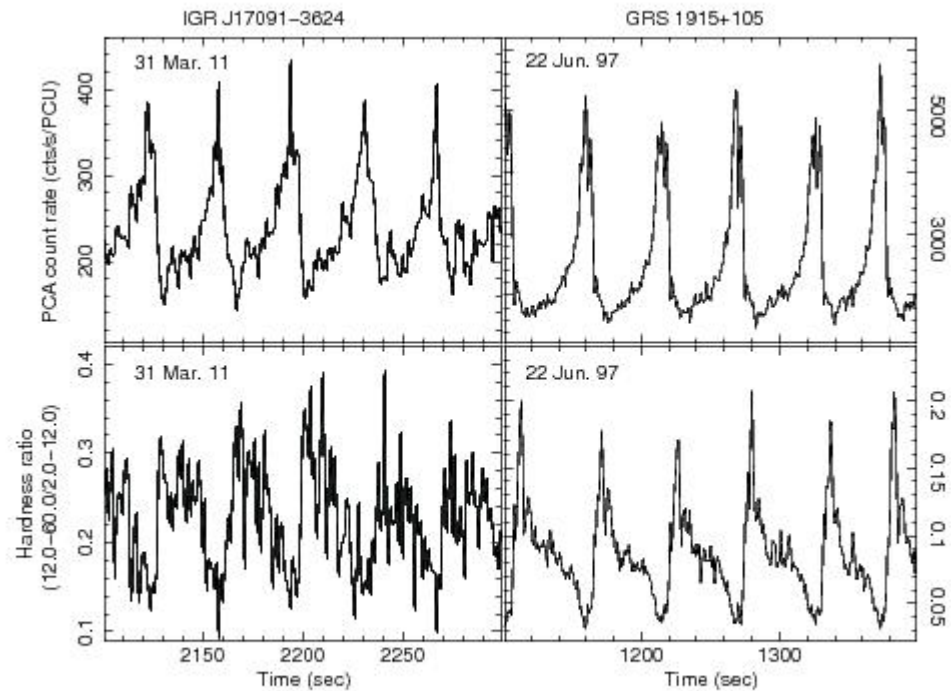


Fig. 6.— Comparative study between the CLS-II variability class of IGR J17091-3624 and the ‘ ρ ’ class of GRS 1915+105. Top panels show the 2.0-60.0 keV *RXTE*/PCA lightcurve of IGR J17091-3624 (left) and GRS 1915+105 (right). Bottom panels show the plot of hardness ratio (defined