

## **Marta Dzięlak - Analysis of GX 339-4 during its hard state**

*Thursday, 13 June 2019 17:00 (20 minutes)*

We probed models of disc truncation in the hard spectral state of the black hole X-ray binary GX 339-4. We tested a large number of different spectral models of disc reflection and its relativistic broadening. Our statistically best-fit model requires the disc to be truncated at a radius larger than or equal to about two ISCO radii. Finally, I will present preliminary results from the study of the X-ray spectral-timing properties of GX 339-4 at the end of the outburst. Our aim is to constrain the origin of the soft component observed in the hard state of the source.

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