

## **Broadband Studies of BHCs in the High, Soft State**

J.E. Grove (NRL), W. Cui (MIT), Y. Ueda (ISAS)

Previous work with OSSE has shown that galactic black hole candidates in the X-ray high, soft state have power-law emission above 50 keV that extends at least to energies comparable to the electron rest mass. We report on recent contemporaneous observations of the transients XTE J1550–564 and GRS 1915+105 with ASCA, RXTE, and OSSE in the high, soft state. During the OSSE observations of both objects, the emission above 50 keV was slowly declining, covering a range of a factor of three in the former case and a factor of ten in the latter. This is the first time that high sensitivity observations above 50 keV have been made of these objects over such a wide range in intensity.