Spectrum-luminosity dependence of radiation from the polar emitting regions in accreting magnetized neutron stars

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P.A. Becker, C. Ferrigno, P. Hemphill, P. Kretschmar,

E. Laplace, C. Malacaria,

K. Postnov, K. Pottschmidt,

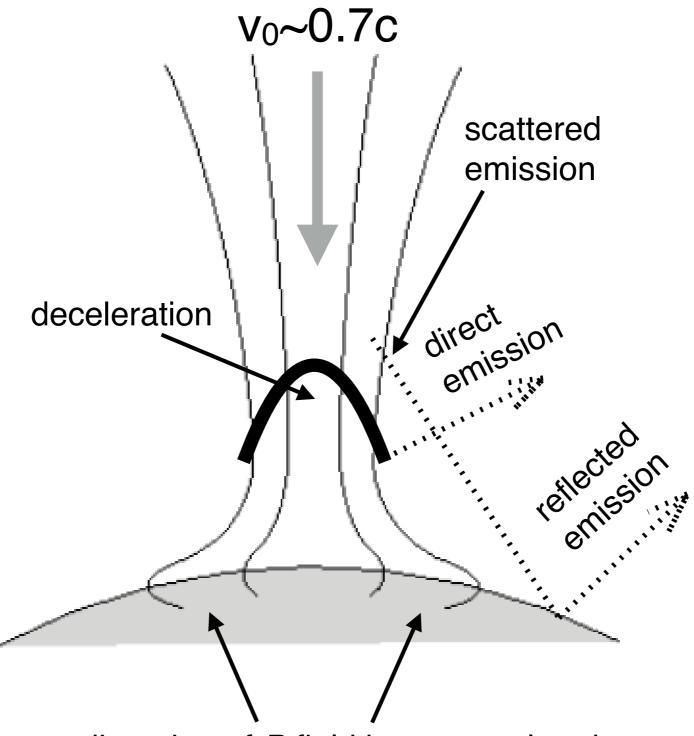
R.E. Rothschild, A. Santangelo,

G. Schönherr, N. Shakura,

R. Staubert, V. Vybornov,

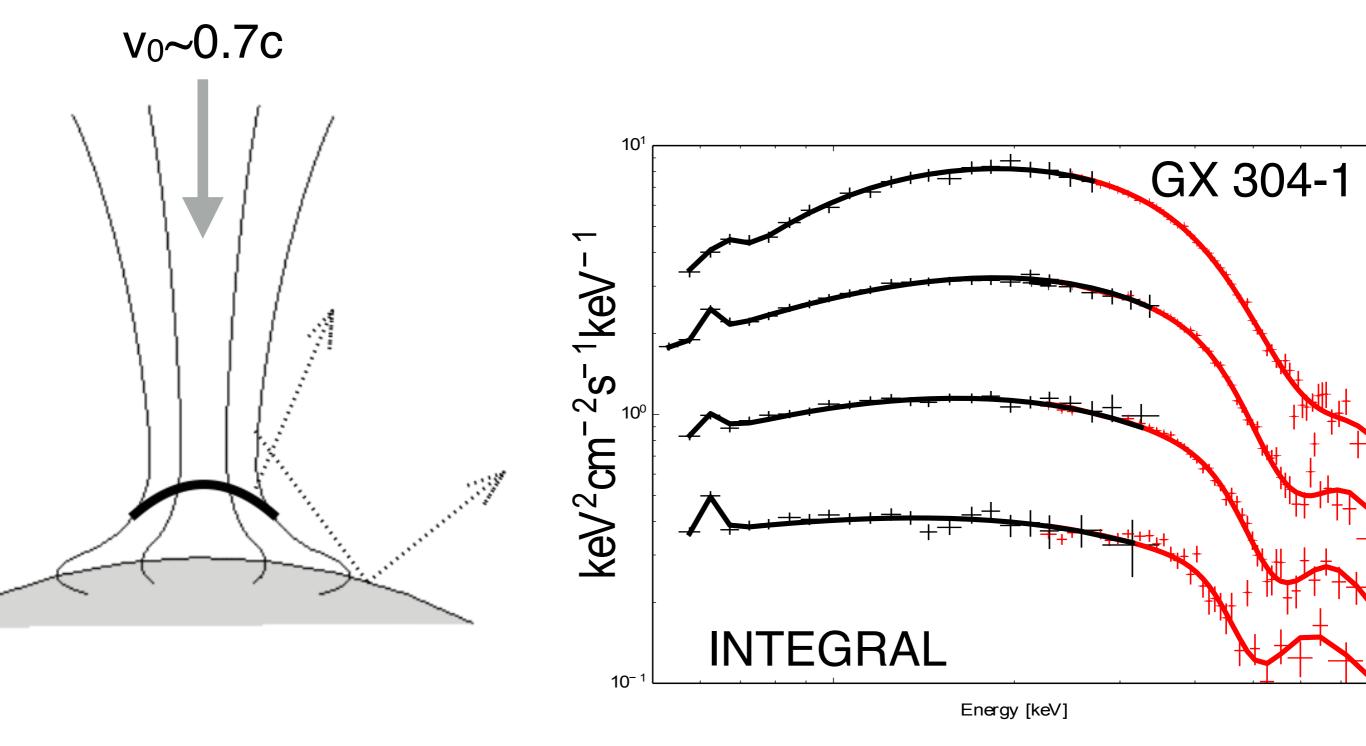
J. Wilms,

Polar emitting region



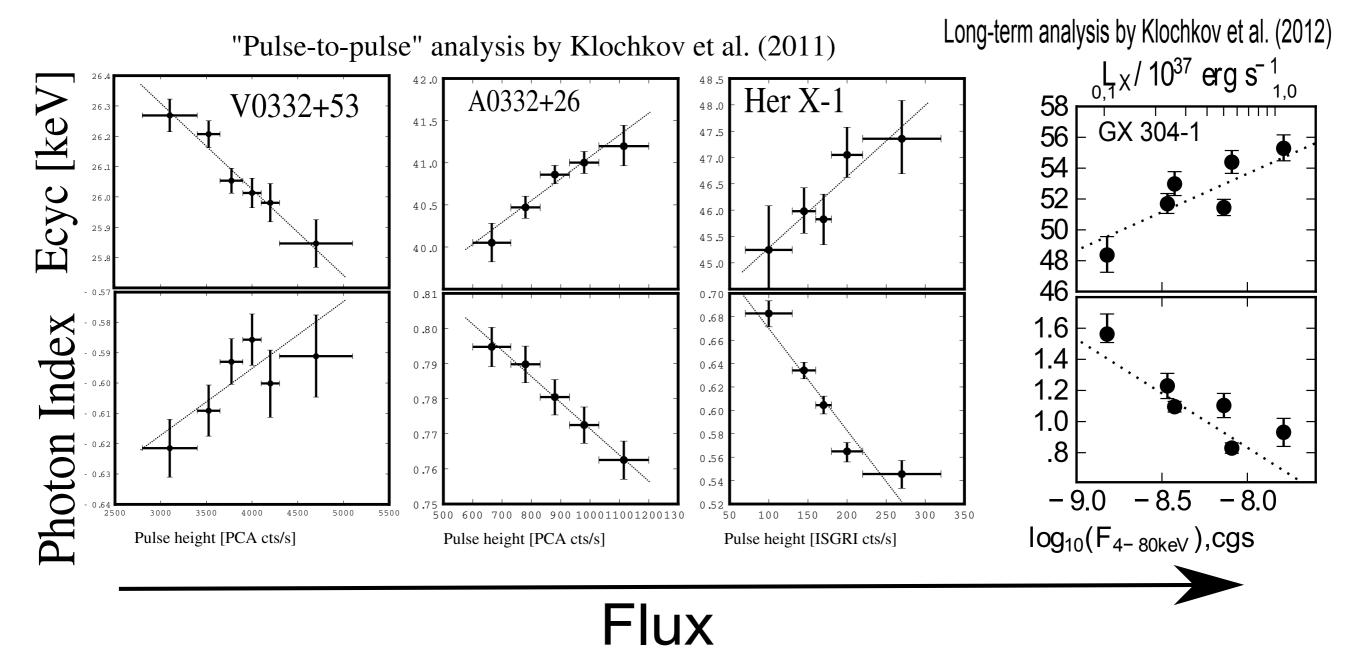
distortion of *B*-field by accumulated matter (talk by R. Staubert!)

Reaction on changes in mass accretion rate

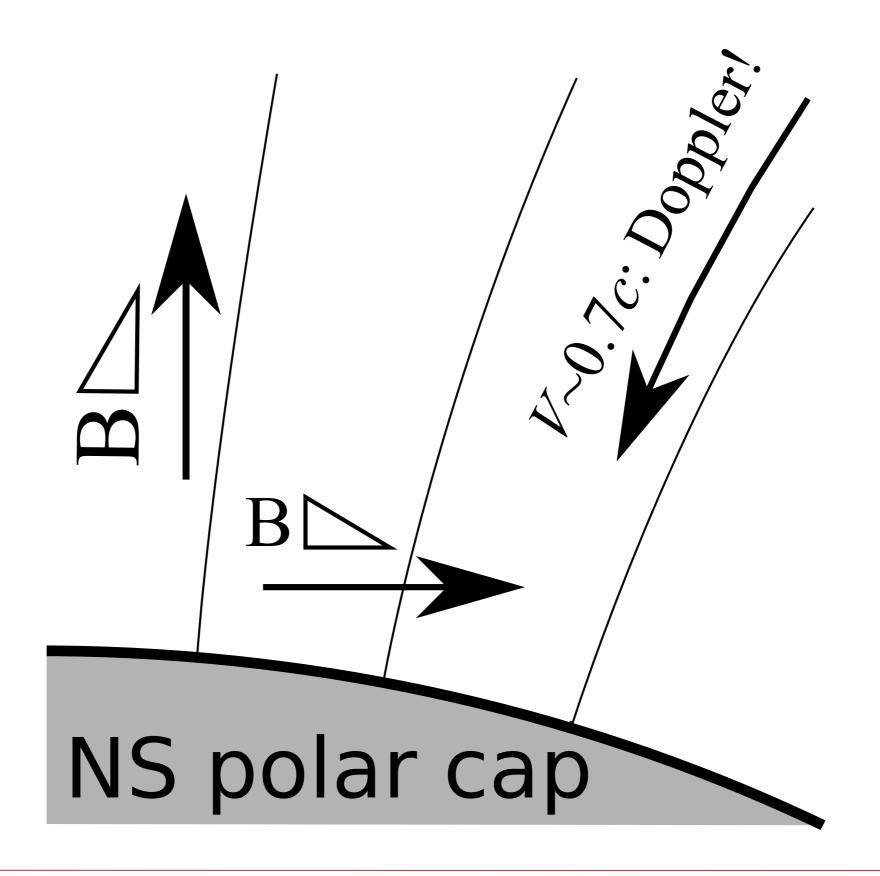


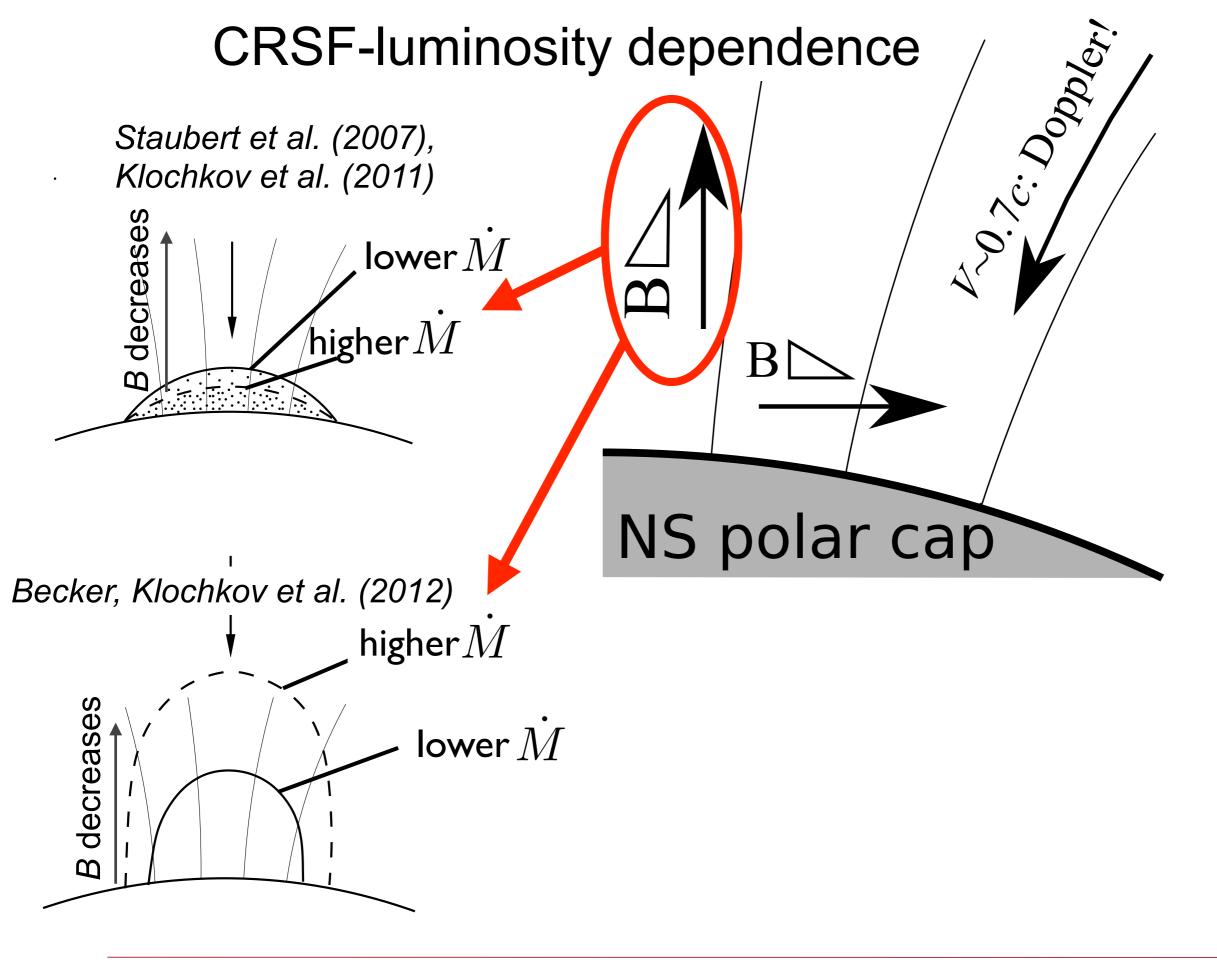
Malacaria, Klochkov et al. 2015

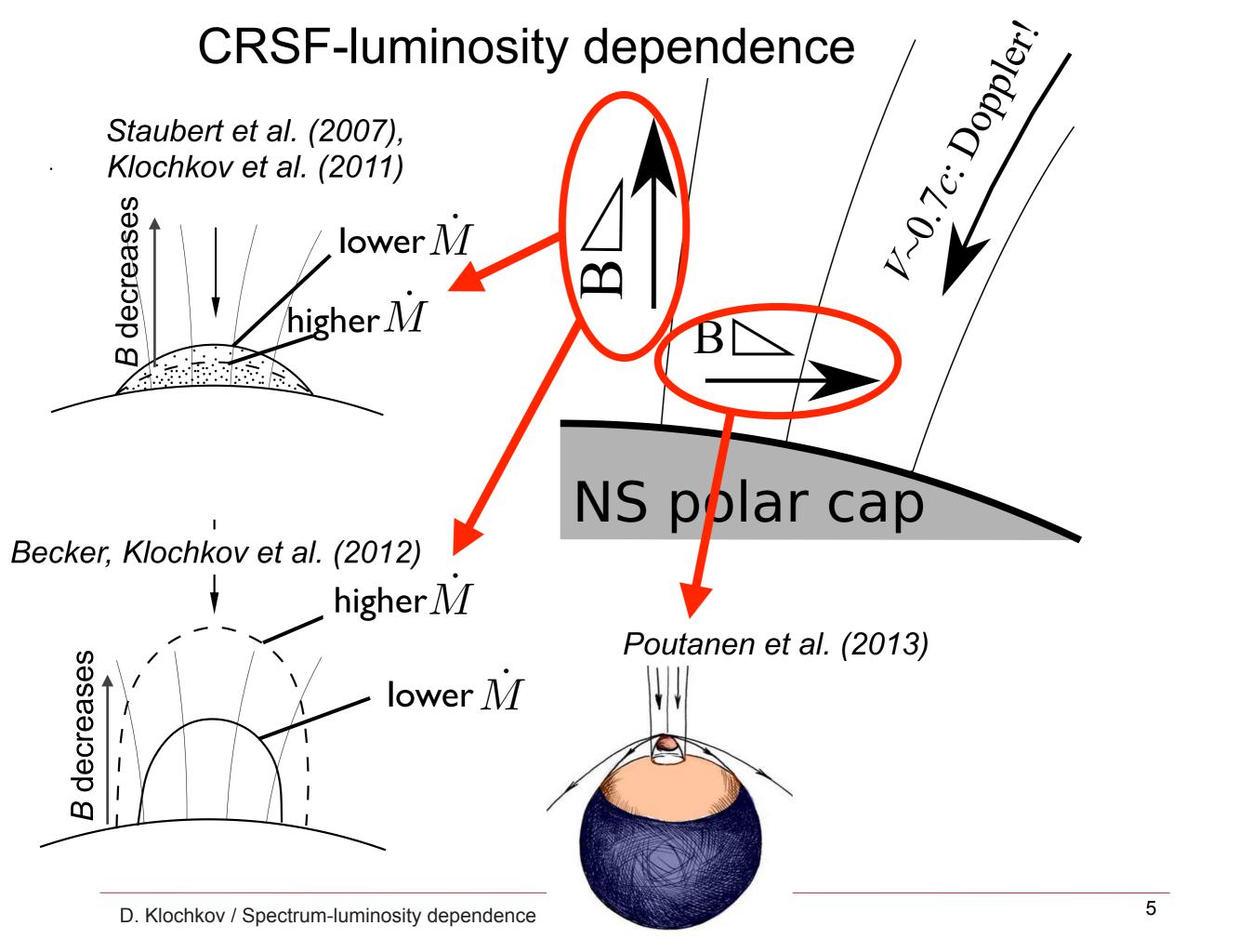
Spectrum-luminosity dependence

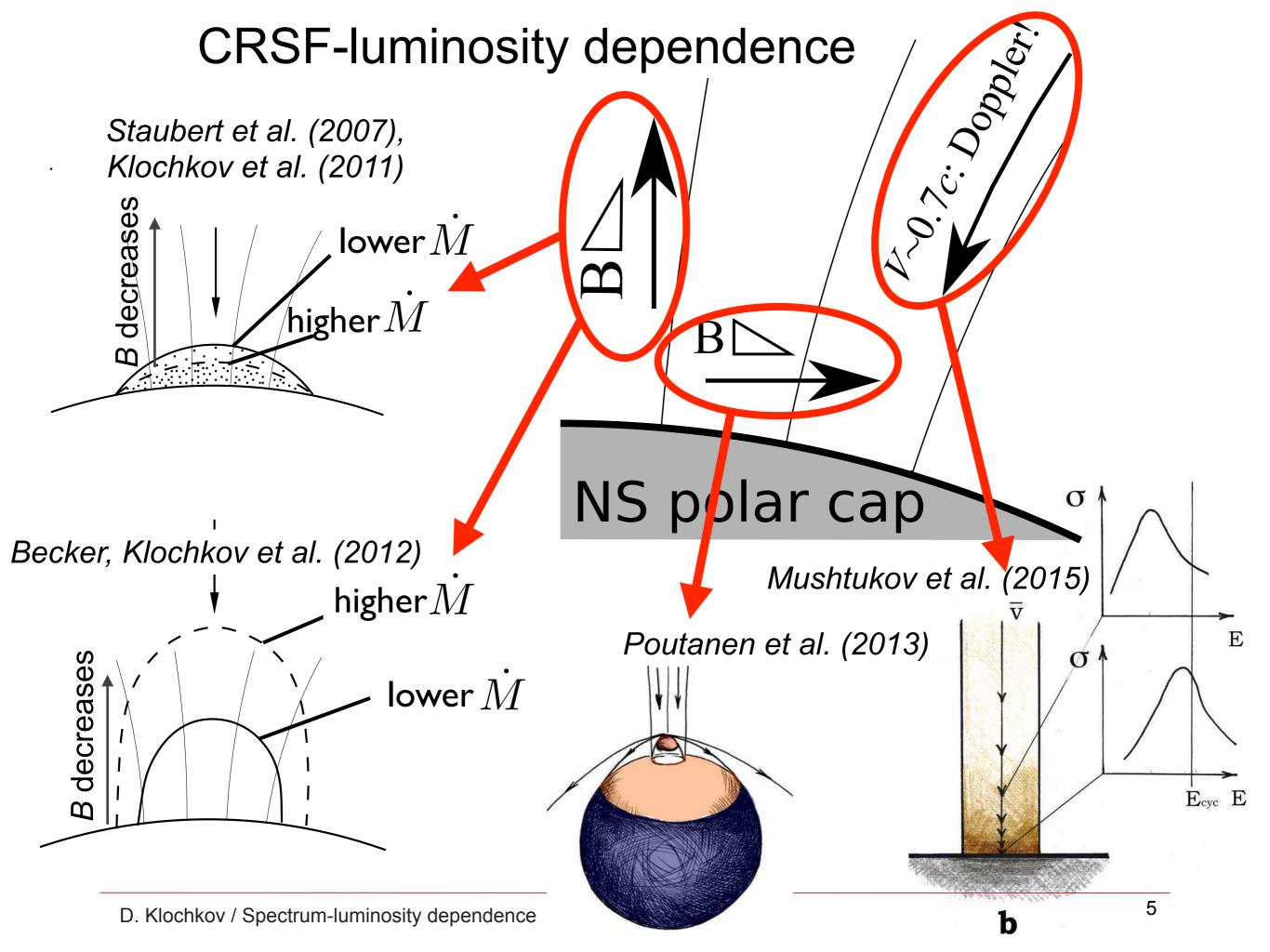


CRSF-luminosity dependence

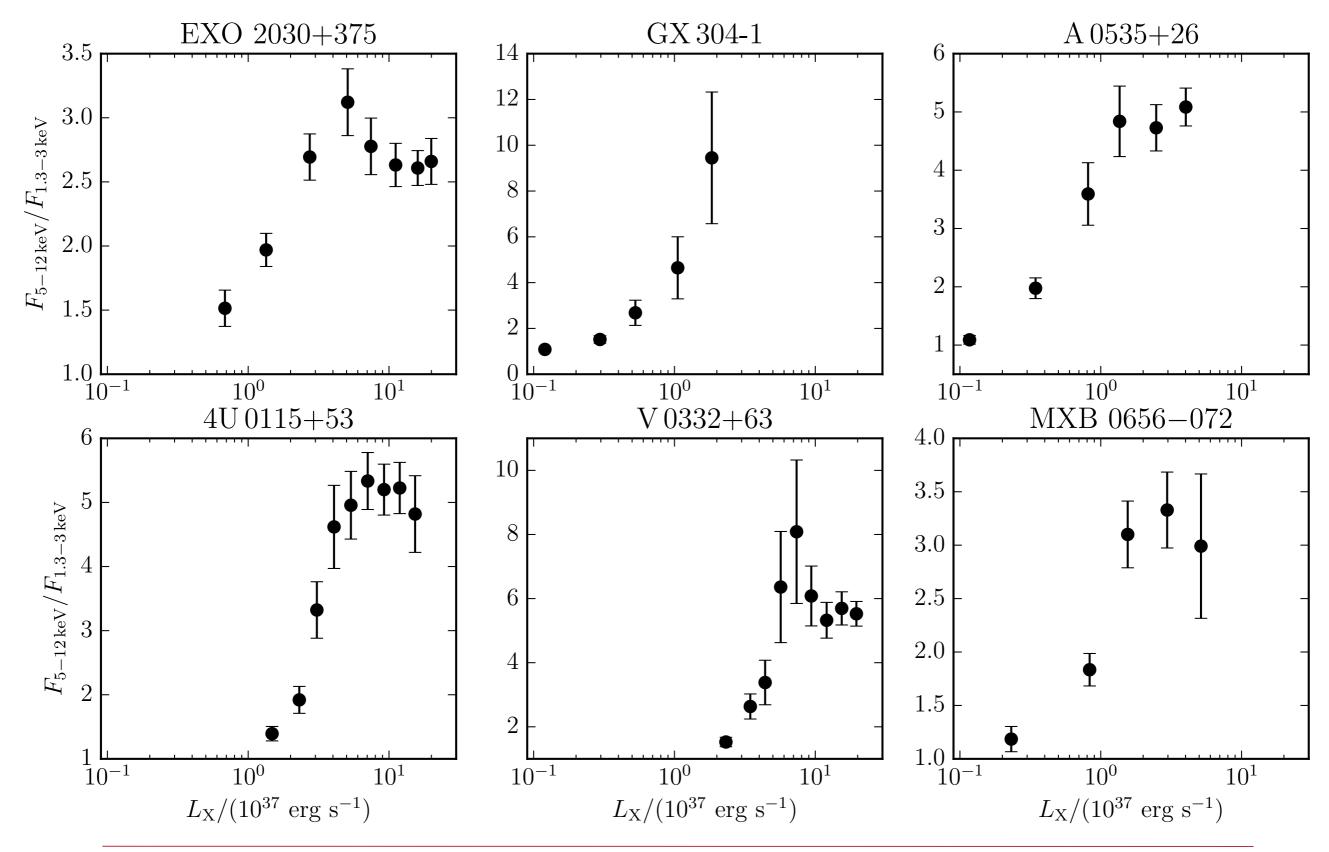




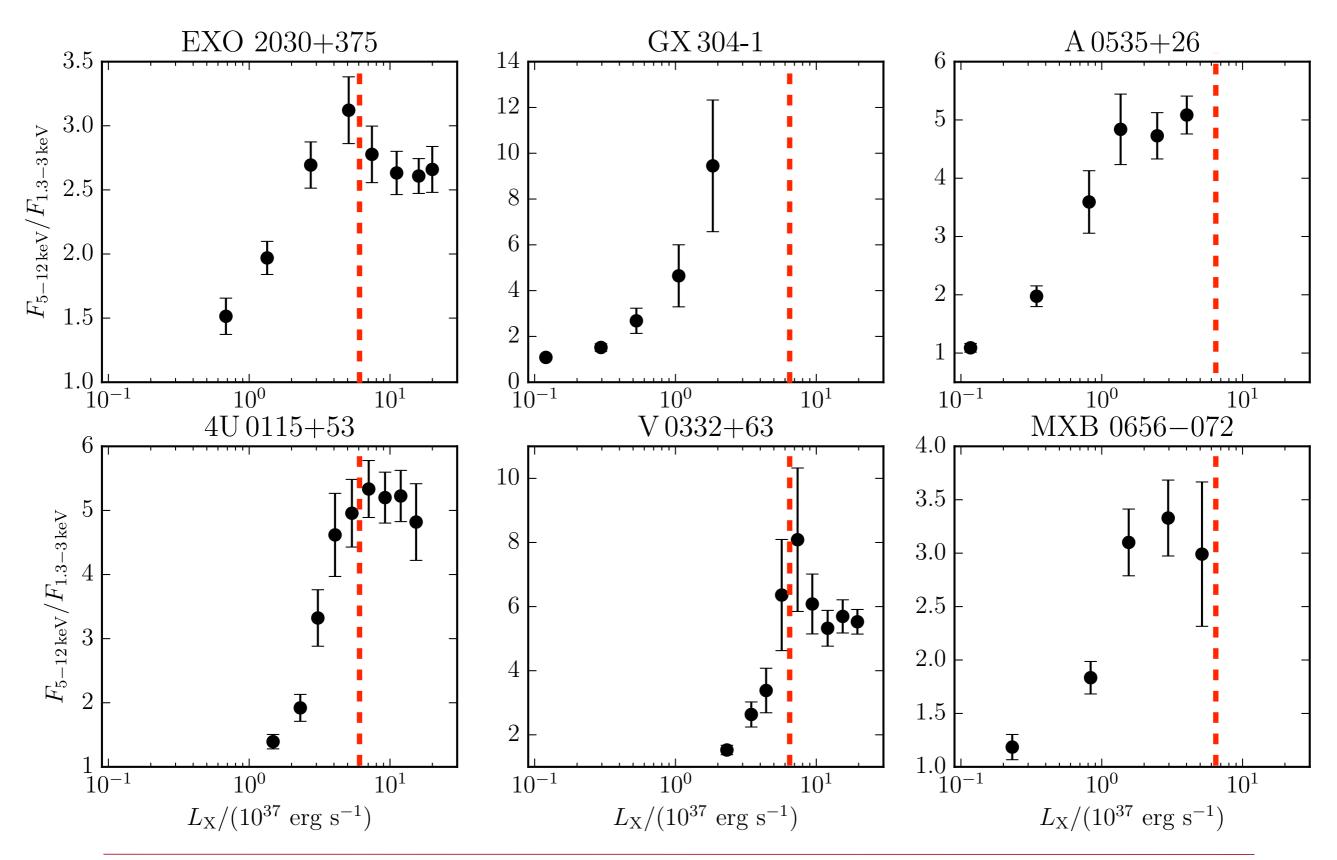




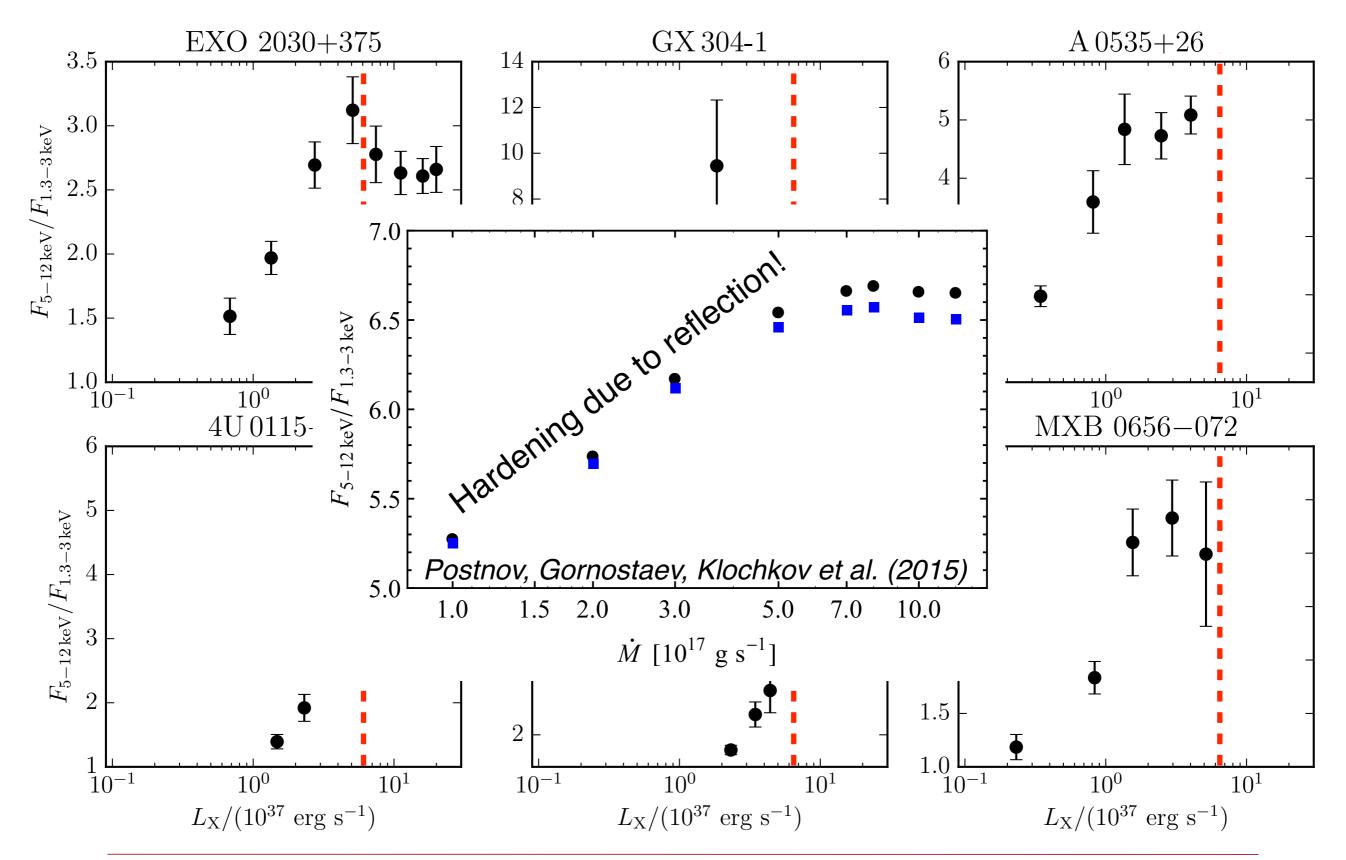
Continuum hardness as a function of luminosity



Continuum hardness as a function of luminosity



Continuum hardness as a function of luminosity



E_{cyc}-L_X dependence in GX 304-1 (poster by *R. Rothschild!!*)

