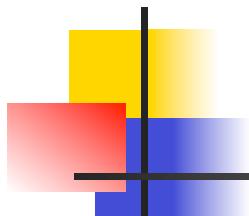


HMXBs



and a few LMXB pulsars



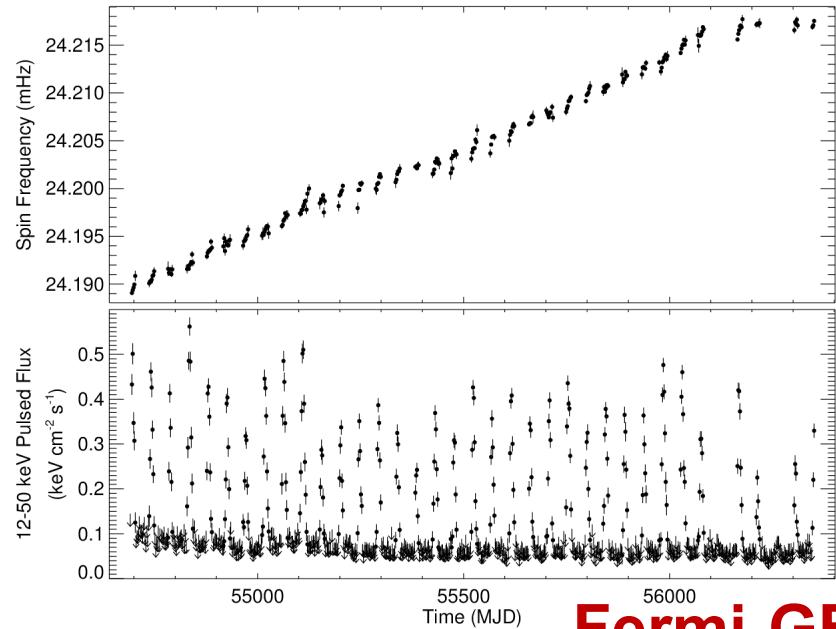
HMXBs and a few LMXB pulsars

Purpose:

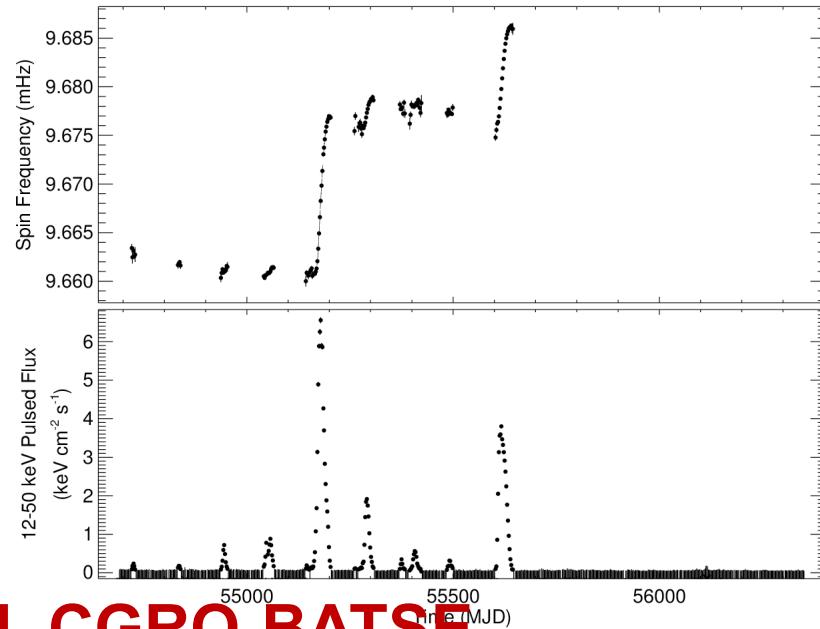
- Accretion torque diagnostics
- Accretion flow diagnostics
- HMXB wind diagnostics
- Orbital parameters and orbital evolution
- Supergiant Fast X-ray Transients
- X-ray reprocessing

Spin and flux history of transient X-ray pulsars

EXO 2030+375

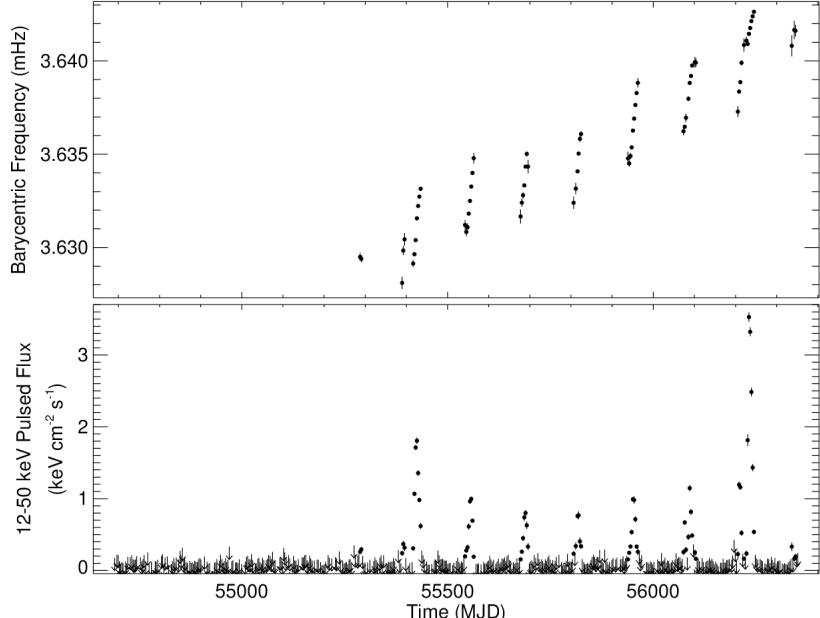


A 0535+26

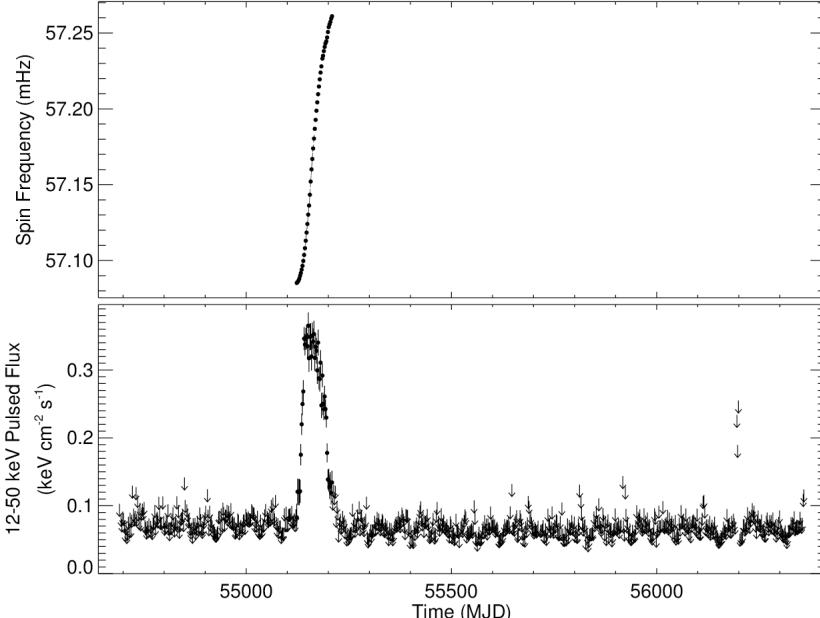


Fermi-GBM, CGRO-BATSE

GX 304-1

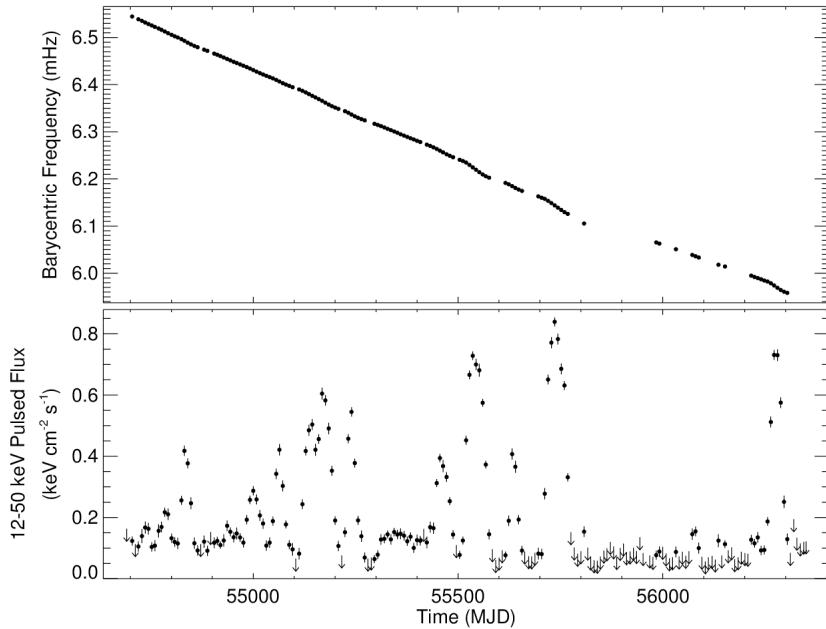


2S 1417-624

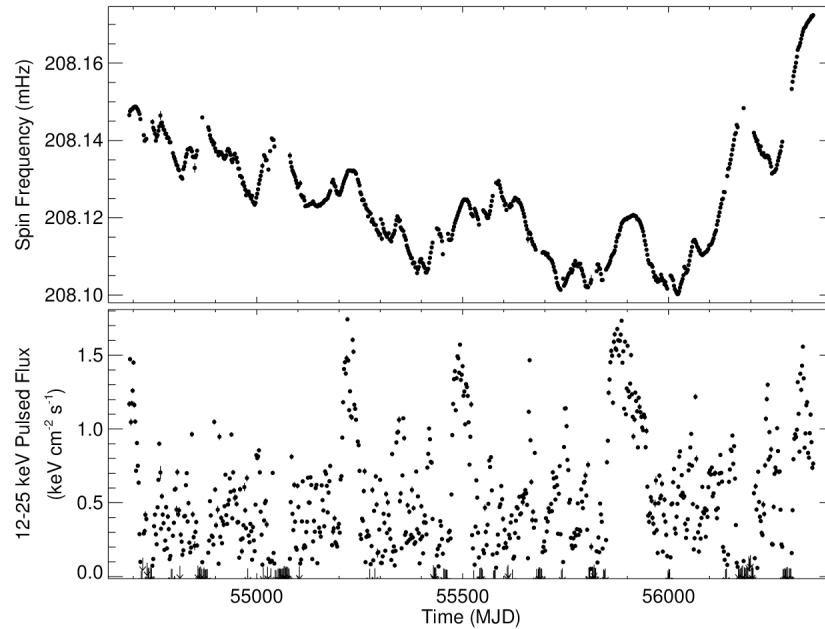


Spin and flux history of transient X-ray pulsars

GX 1+4

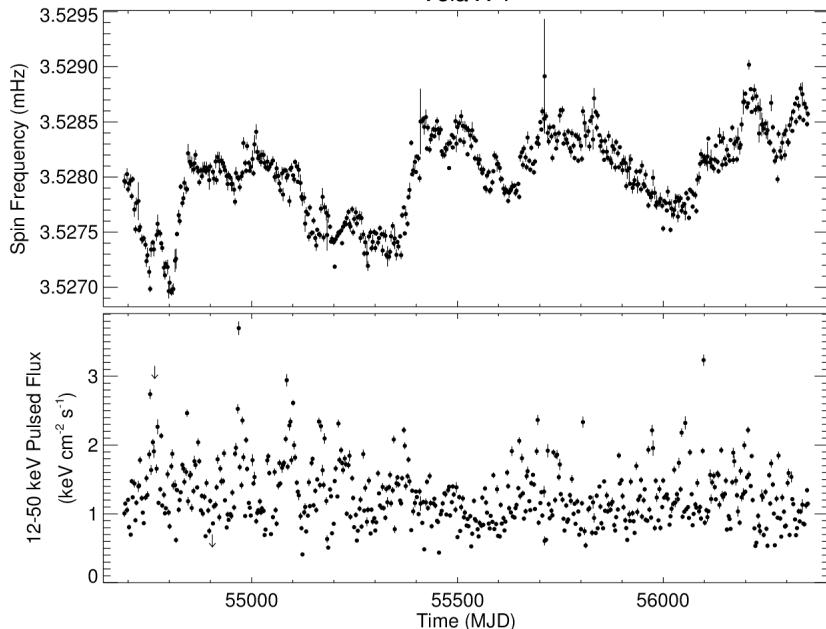


Cen X-3

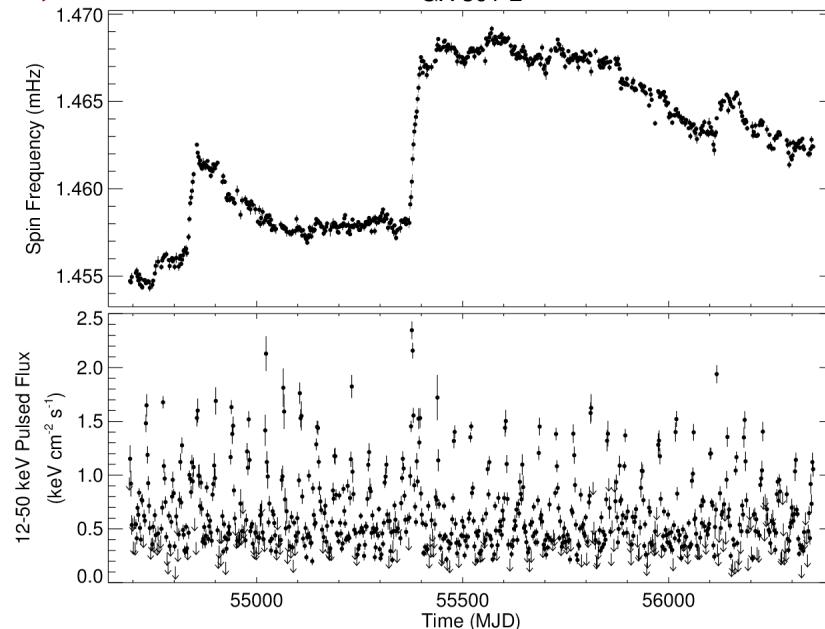


Fermi-GBM, CGRO-BATSE

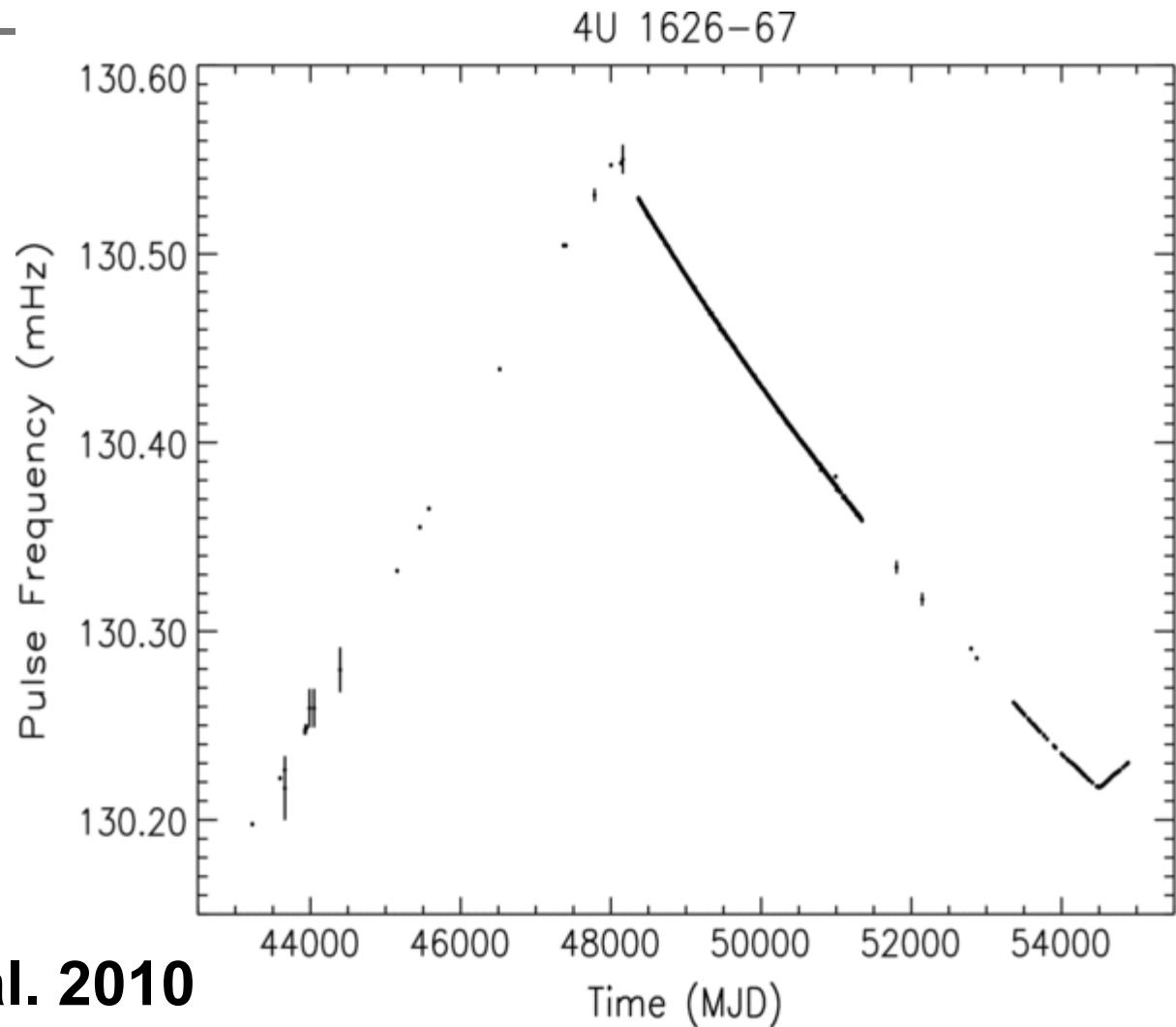
Vela X-1



GX 301-2

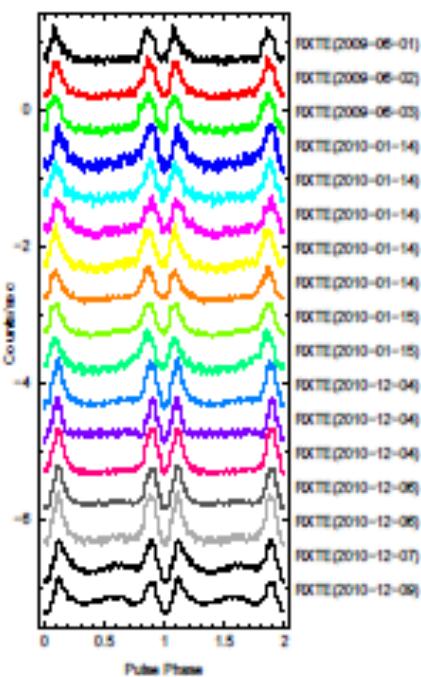
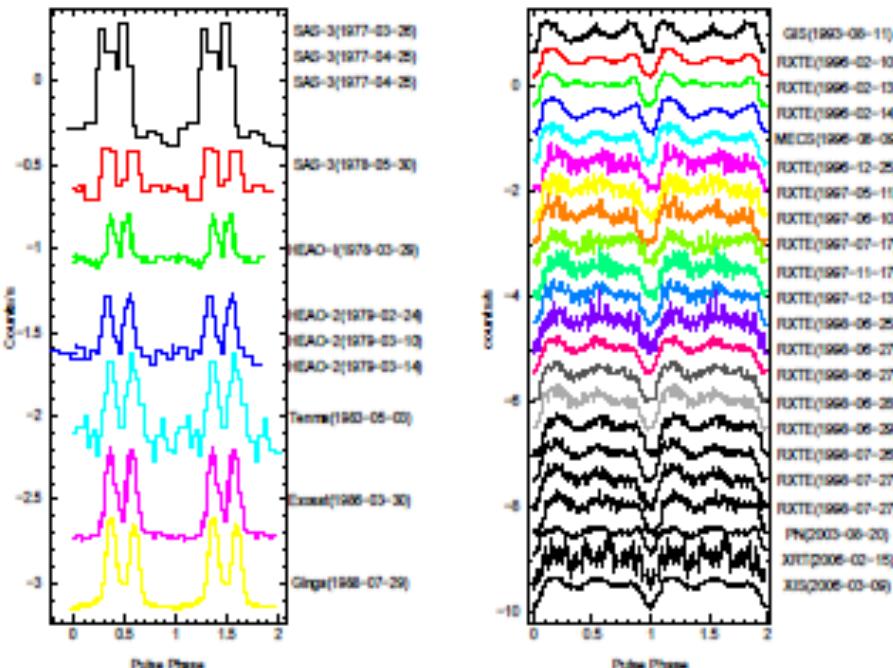
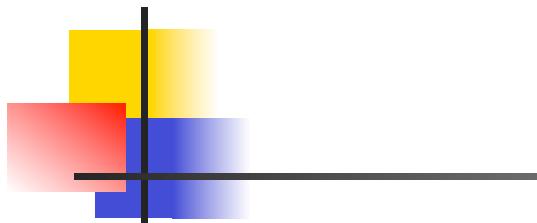


4U 1626-67: Period Evolution

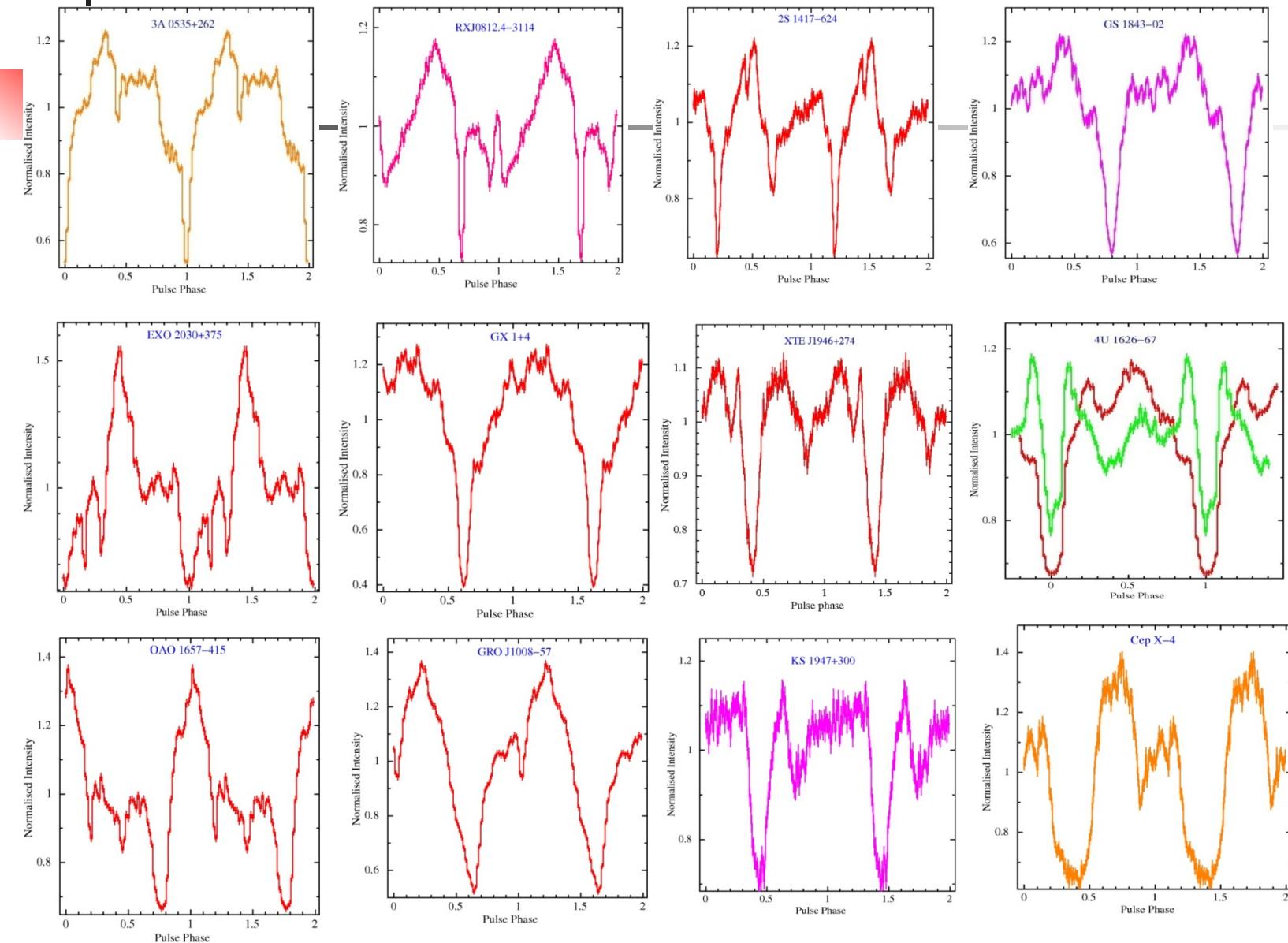


Camero-Arranz et al. 2010

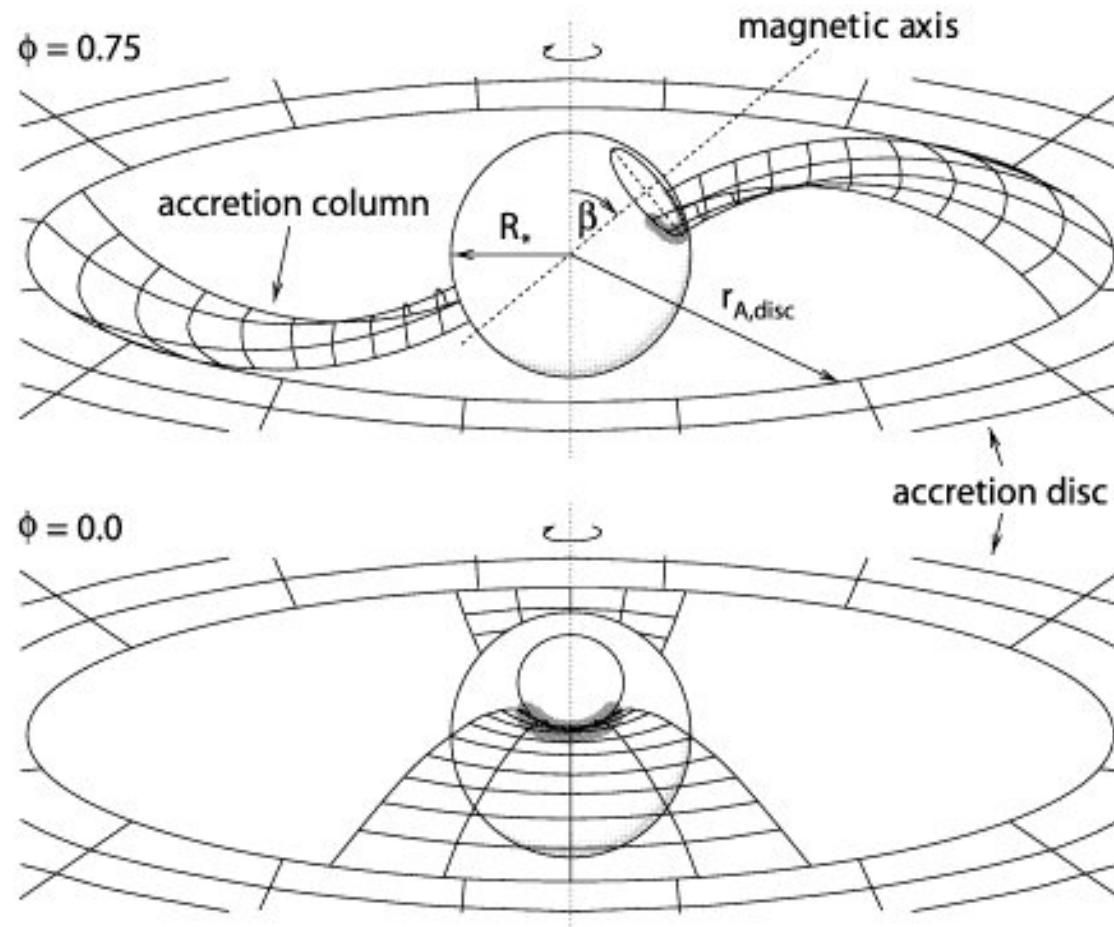
4U



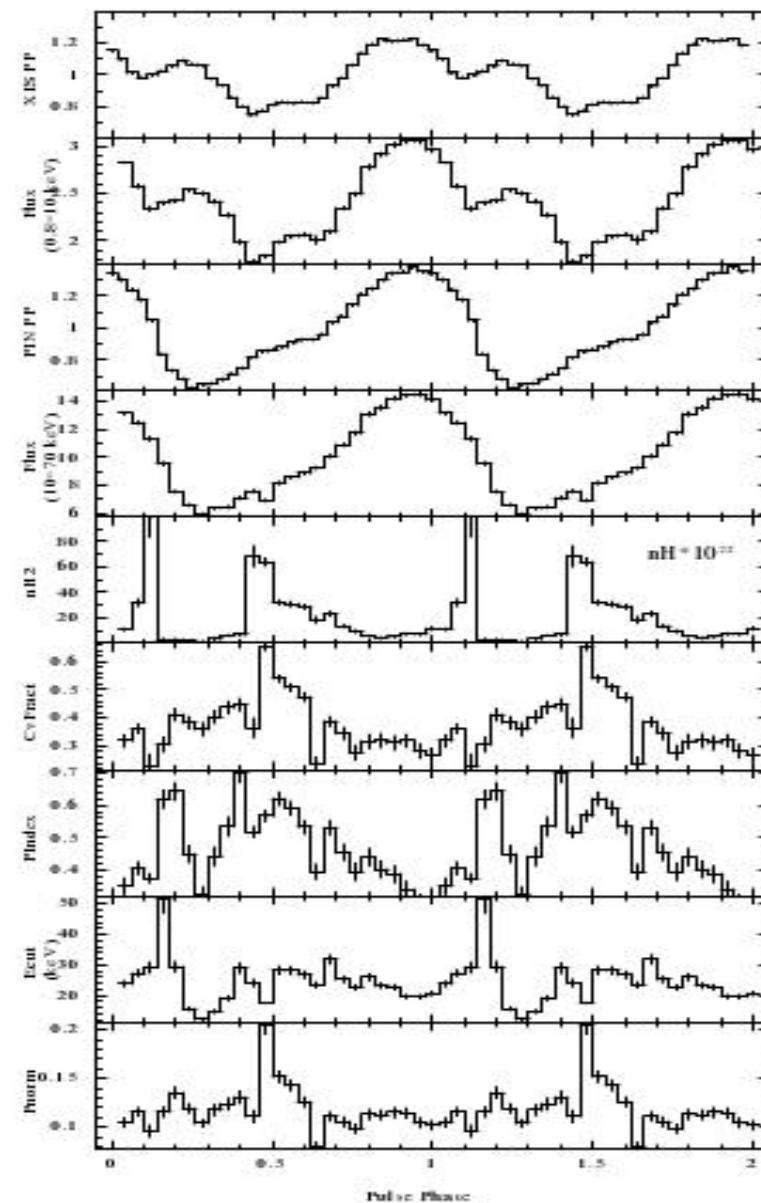
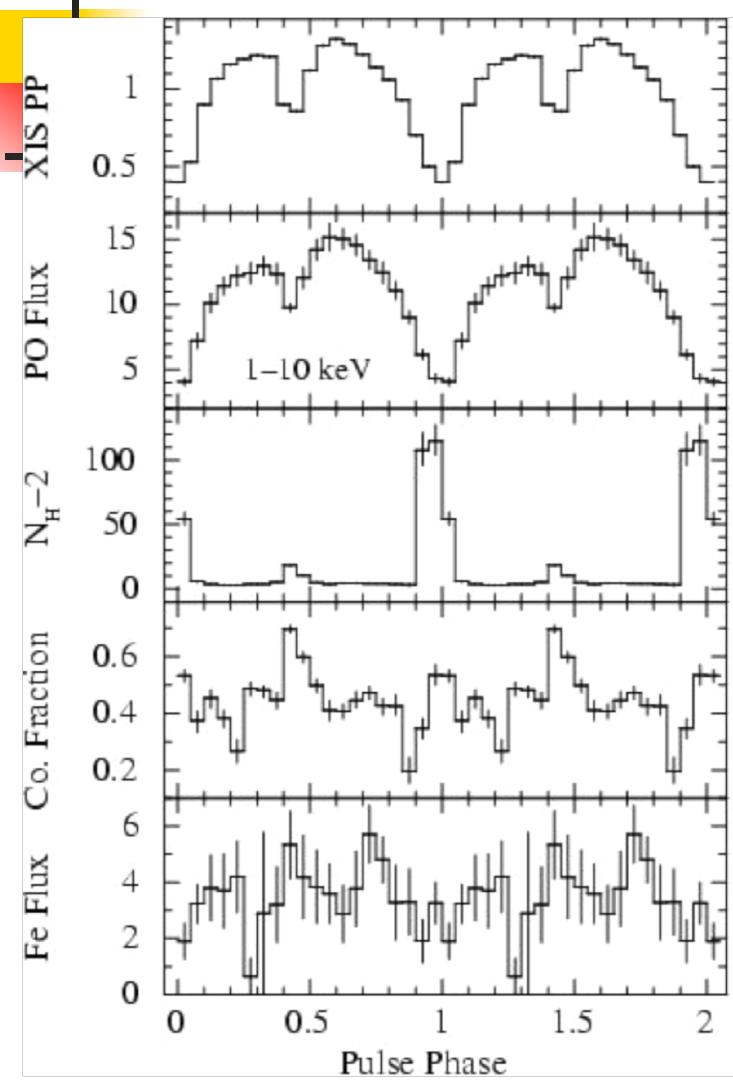
Dips in Pulse Profiles : Partial Covering Absorption

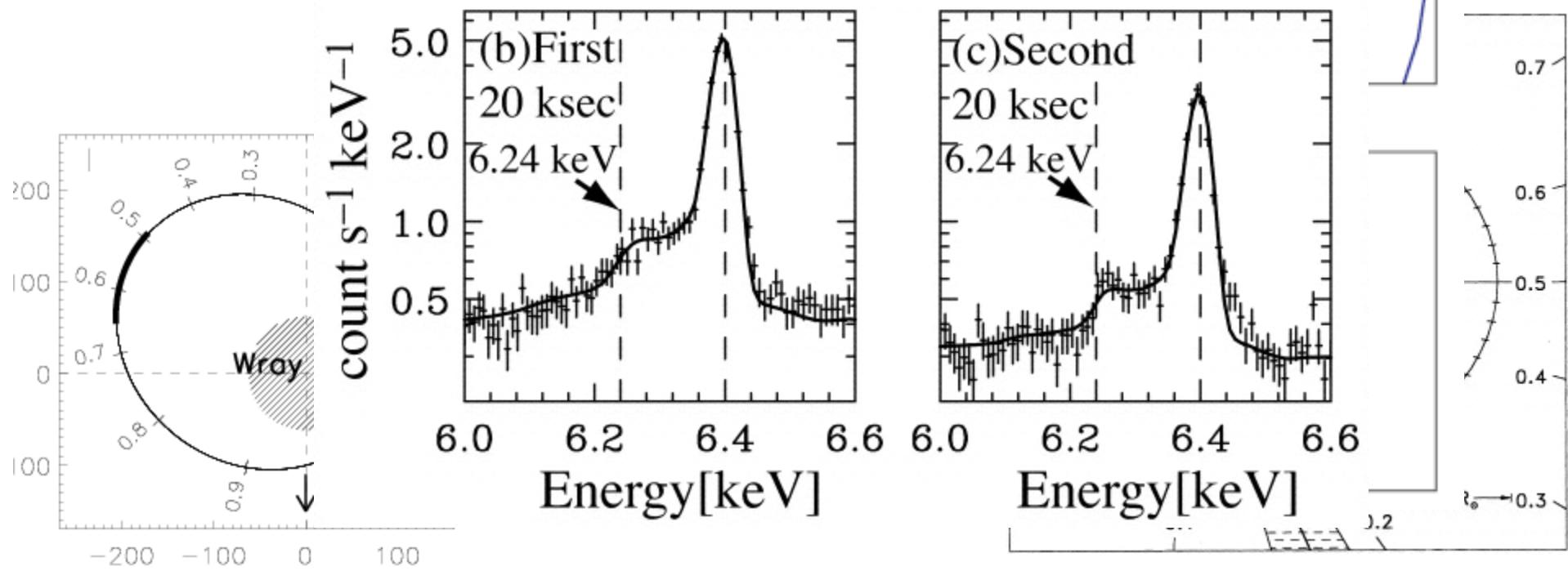
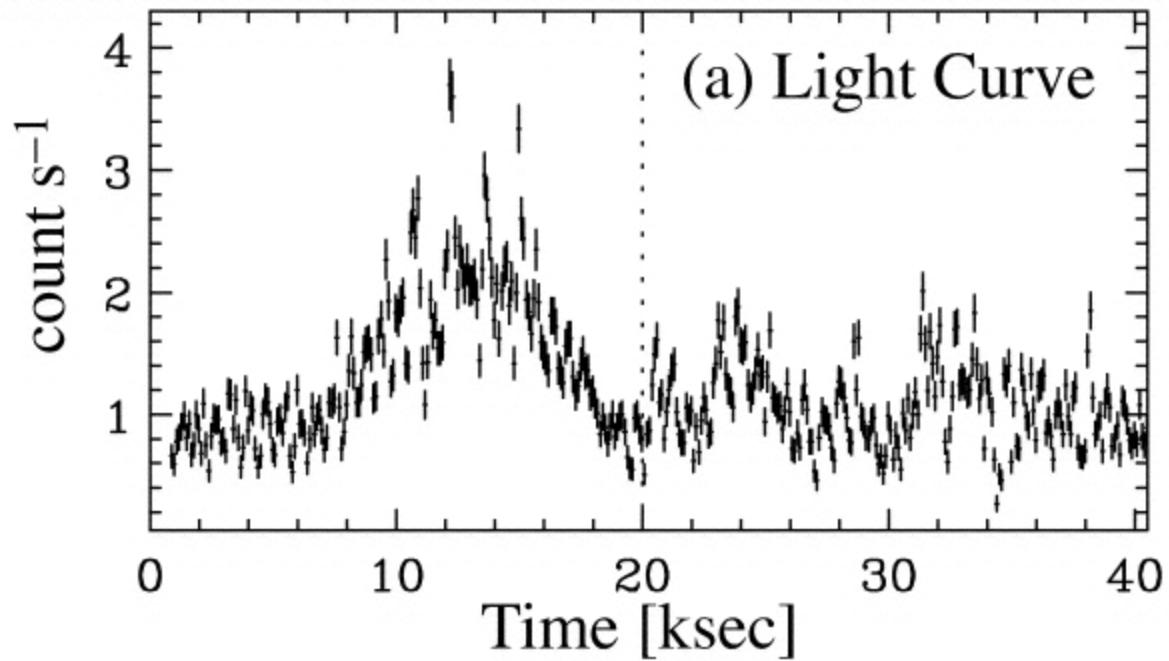


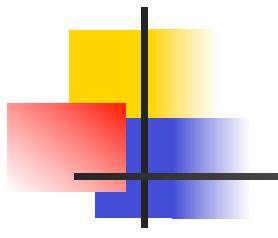
Dips in Pulse Profiles : Partial Covering Absorption



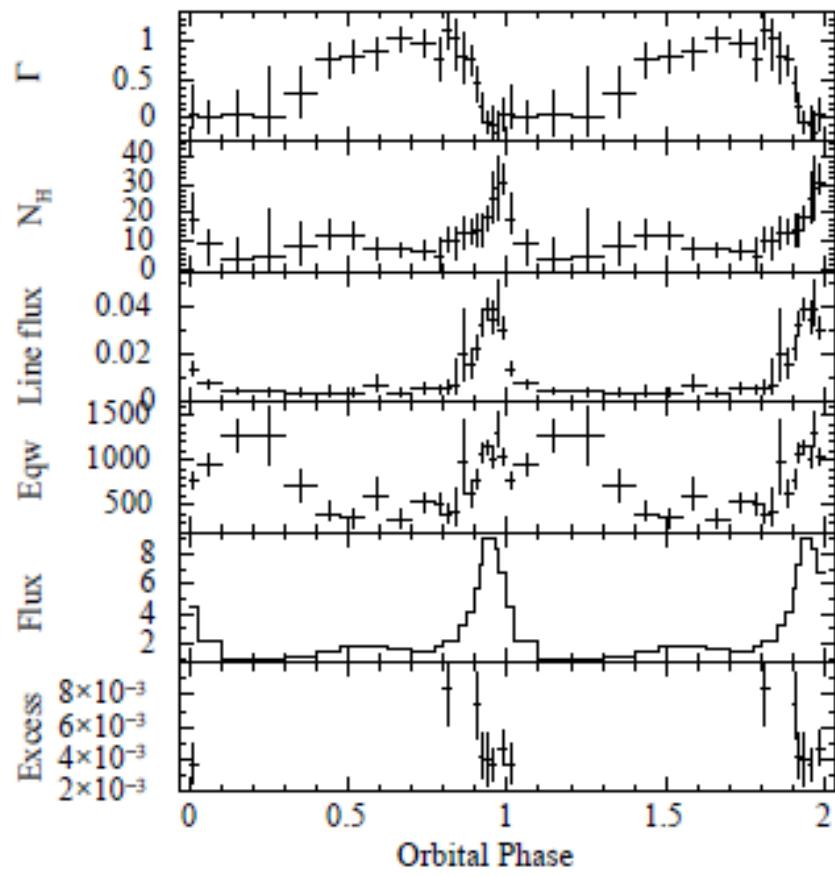
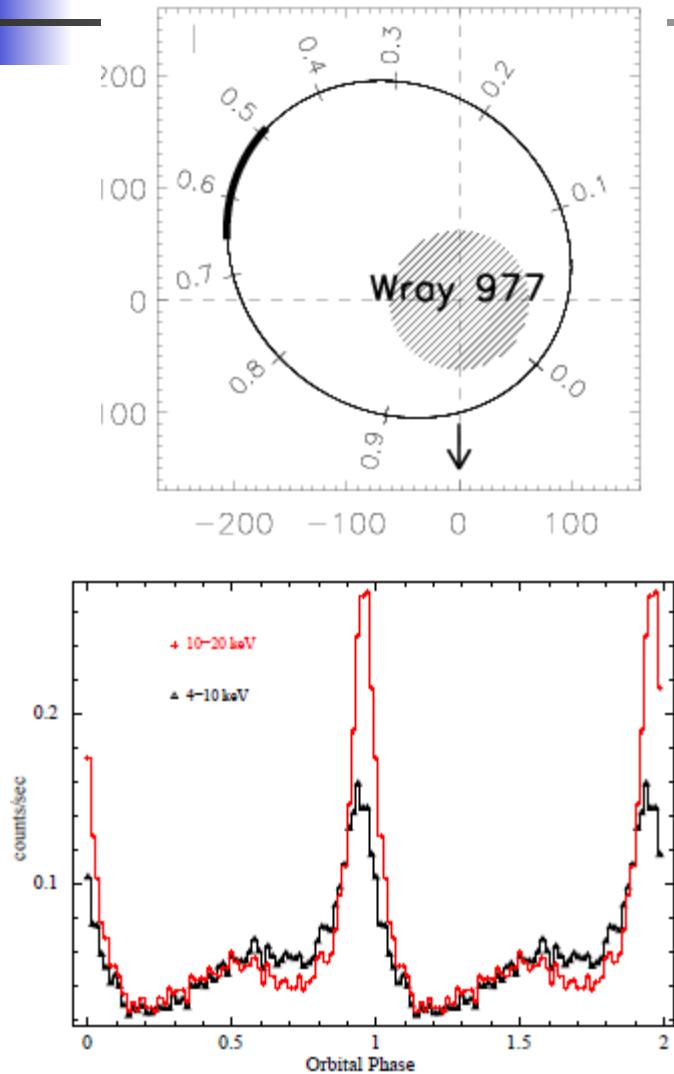
Dips in Pulse Profiles : Partial Covering Absorption



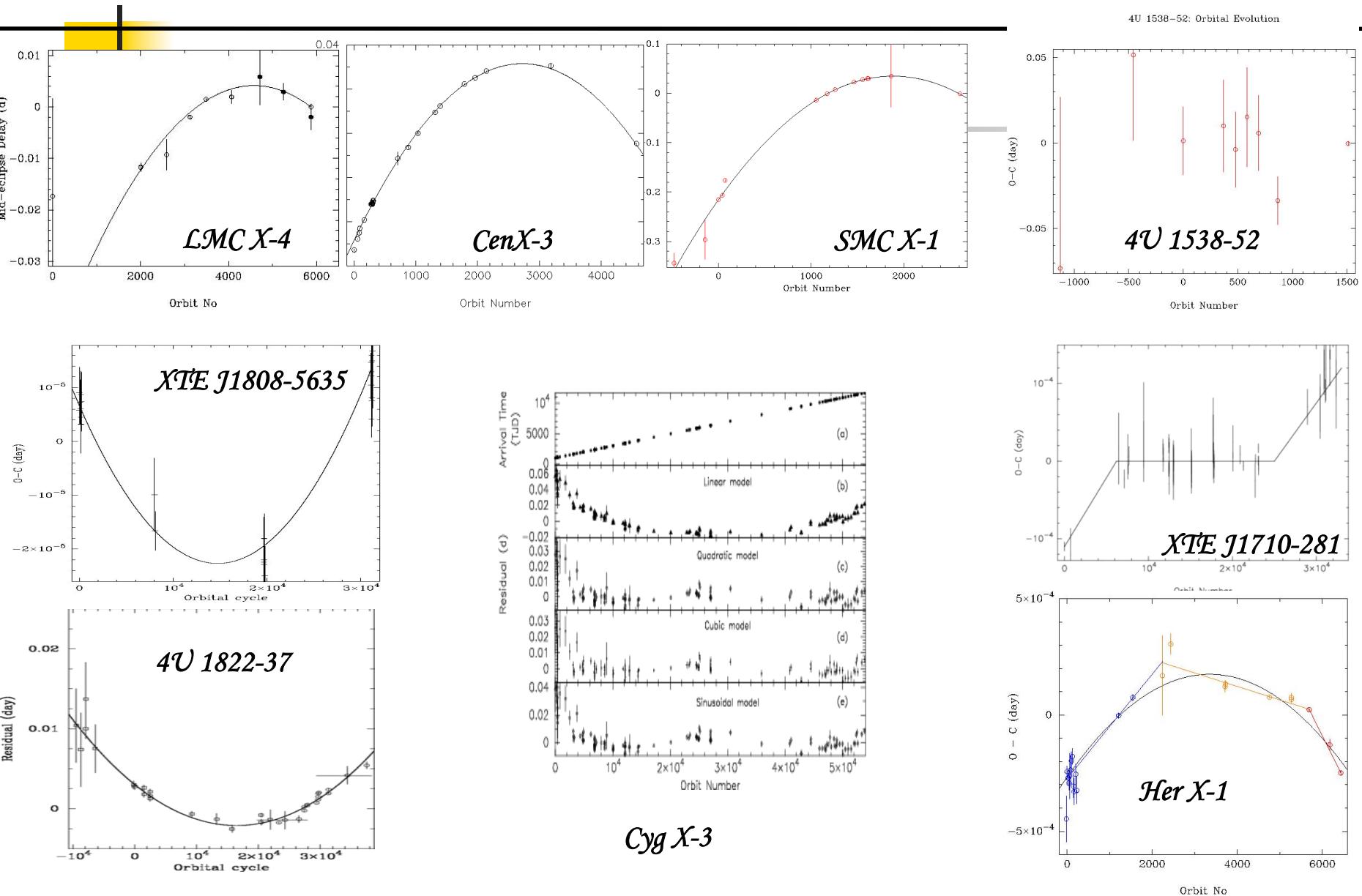




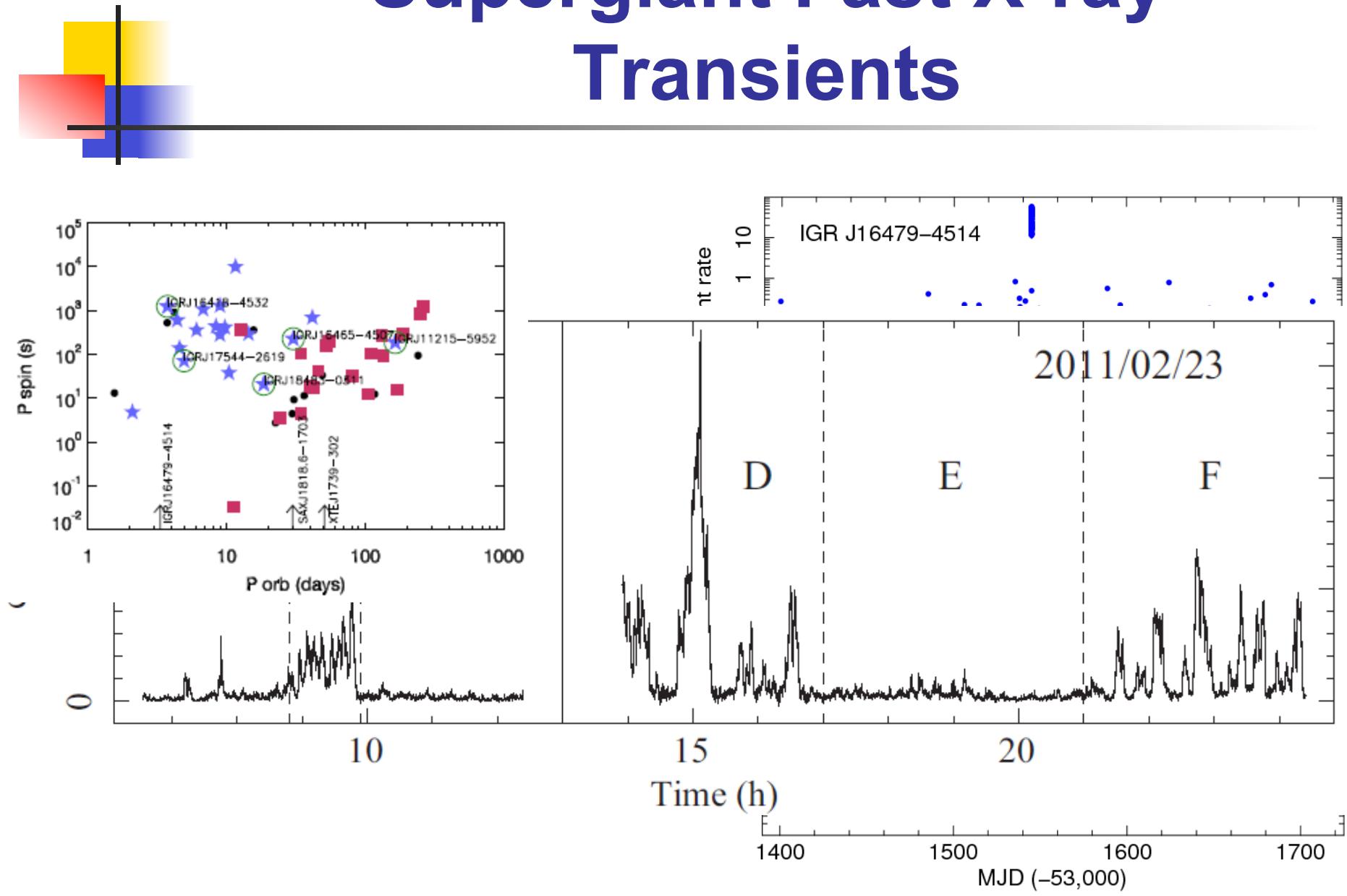
HMXB wind diagnostics



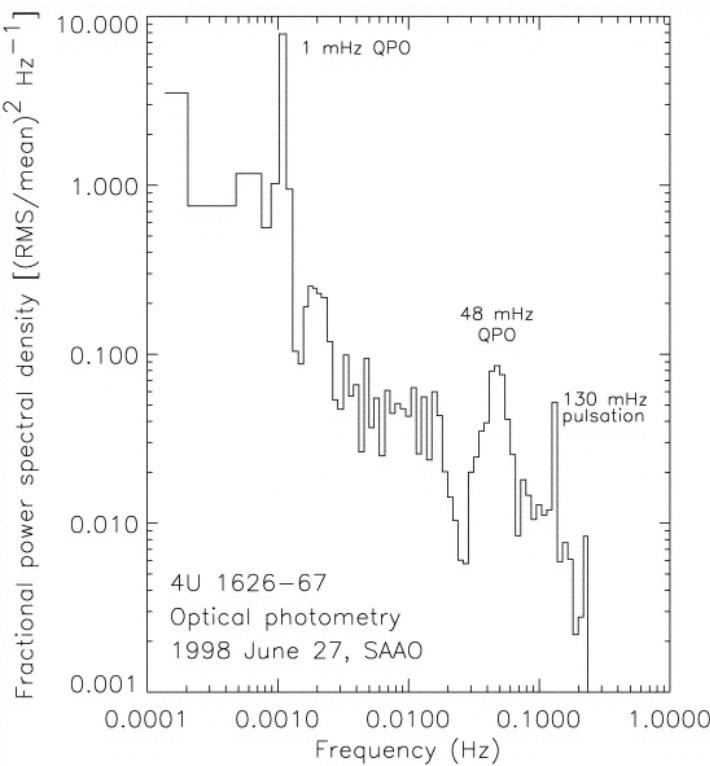
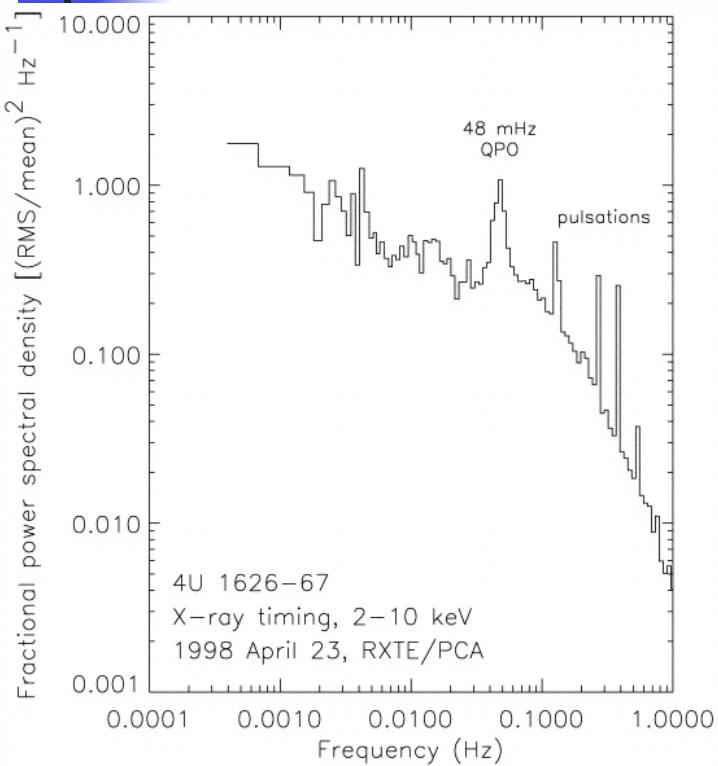
Orbital evolution of X-ray binaries



Supergiant Fast X-ray Transients

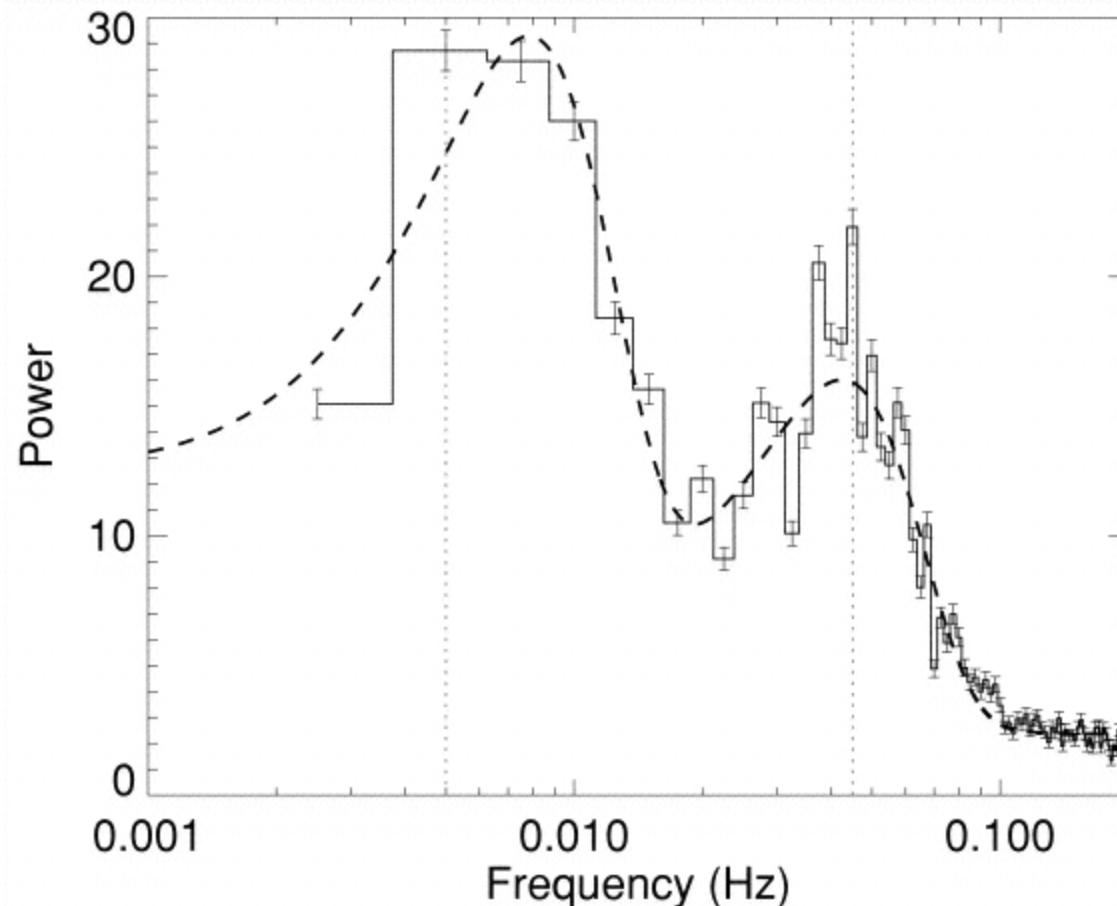


Reprocessing in LMXB X-ray pulsars



4U 1626-67

Reprocessing in LMXB X-ray pulsars



Her X-1