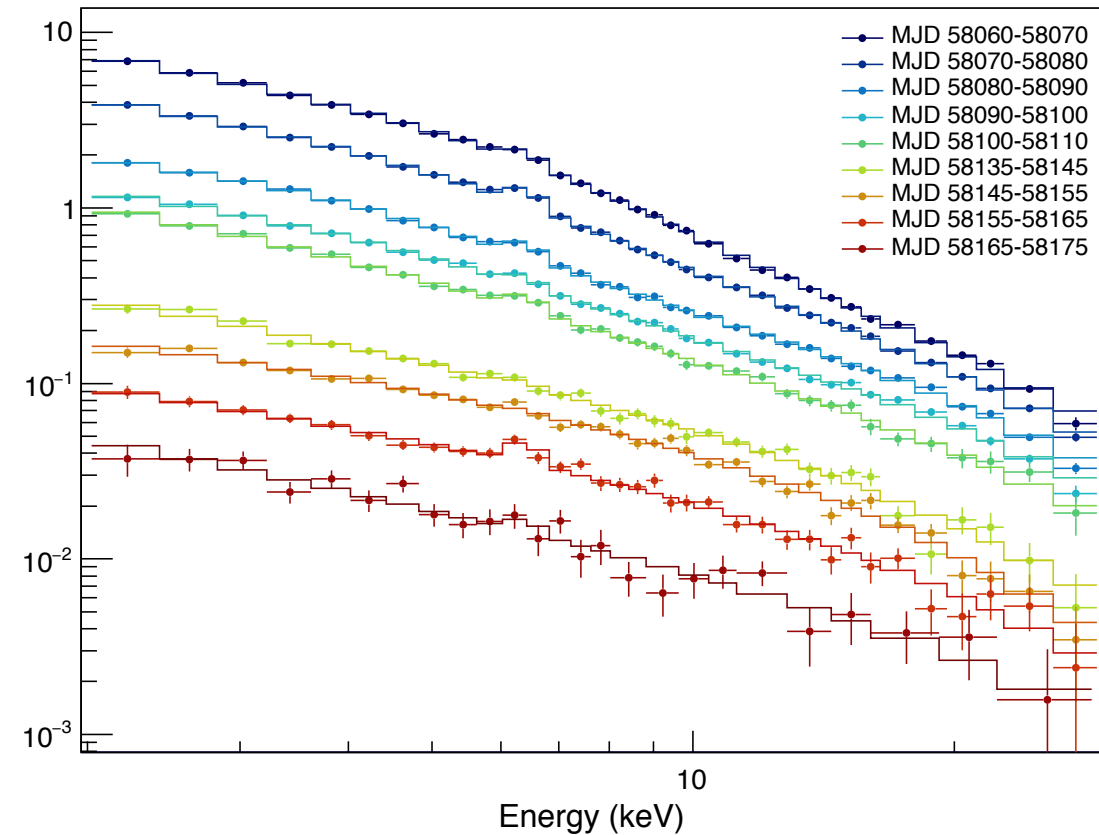
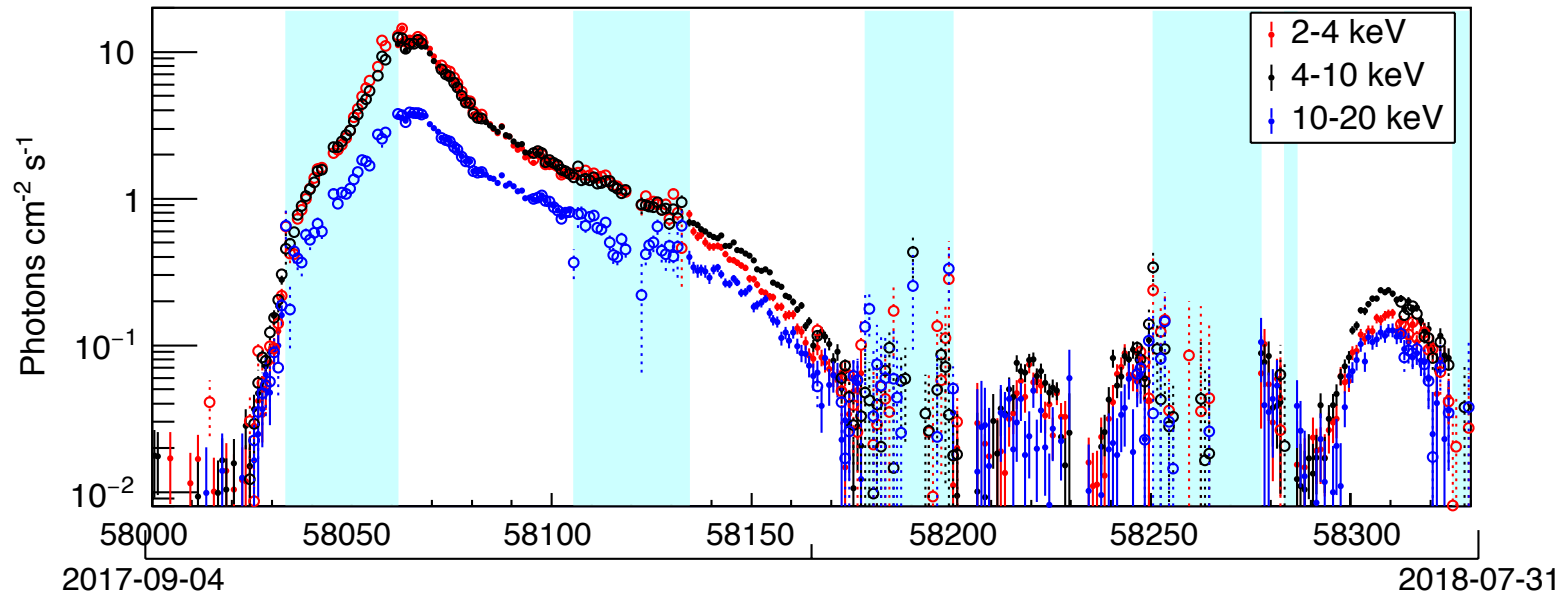


# MAXI results of the Galactic ultra-luminosity X-ray pulsar Swift J0243.6+6124

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- Flux at the peak: over 5 Crab
- Source distance: ~7 kpc (GAIA result)



• X-ray luminosity:  $10L_{\text{EDD}}$

→ Ultra-luminous X-ray pulsar (ULX pulsar)

$$F(E) = AE^{-\Gamma} \exp\left(-\frac{E}{E_C}\right) + BB + Gaus$$

*BB*: blackbody

*Gaus*: Fe-K line

• Flux increase ⇒ spectral softening