## <sup>¬</sup>An application of the Ghosh & Lamb model to the accretionpowered X-ray pulsar X Persei ] -Yatabe et al 2018-

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 The X-ray fluxes and pulse-period changes of the Be/X-ray binary pulsar X Persei were investigated over a period of 1996 to 2017 by RXTE/ASM and MAXI/GSC.



- The history of X-ray fluxes
  suggest a 7-years super-orbital
  period.
- •The pulsar was spinning down for 1996-2002, and has been spinning up since 2002.

 The spin up/down rate and the X-ray flux showed a clear negative correlation. • dP/dt vs F<sub>bol</sub> showed a clear negative correlation
 →fitted with Ghosh & Lamb (1979) relation

