

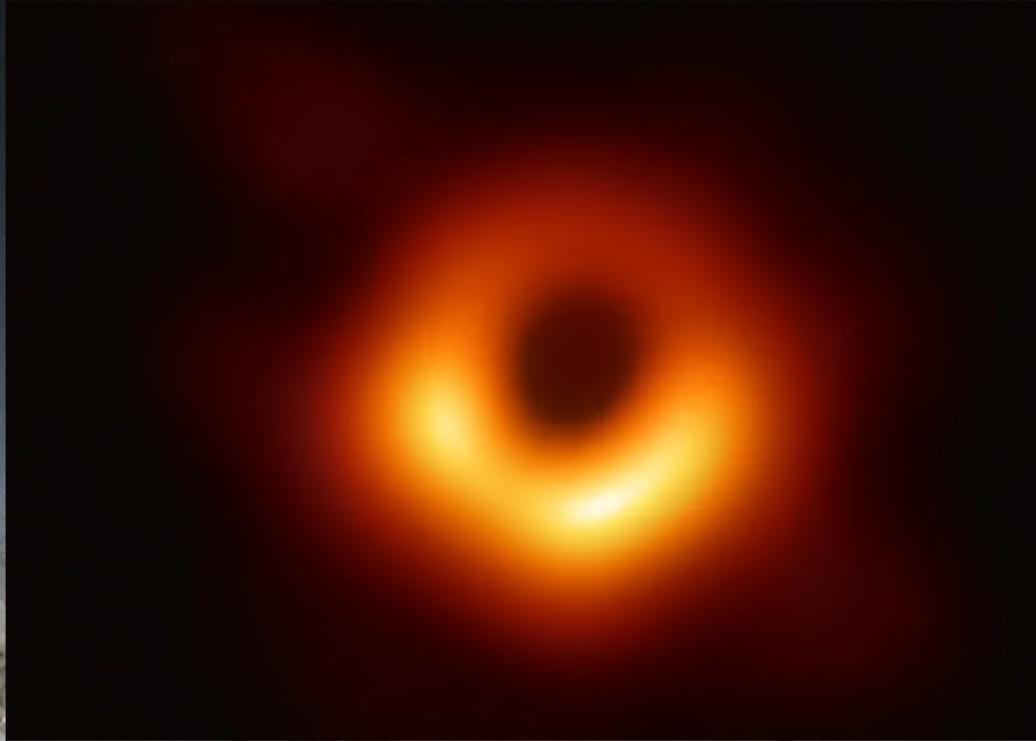
Live to Die Another Day

AT2018fyk as a Repeating Partial Tidal Disruption Event

Wevers¹, Coughlin², Pasham³, et al. 2023, *The Astrophysical Journal Letters*, *In Press*

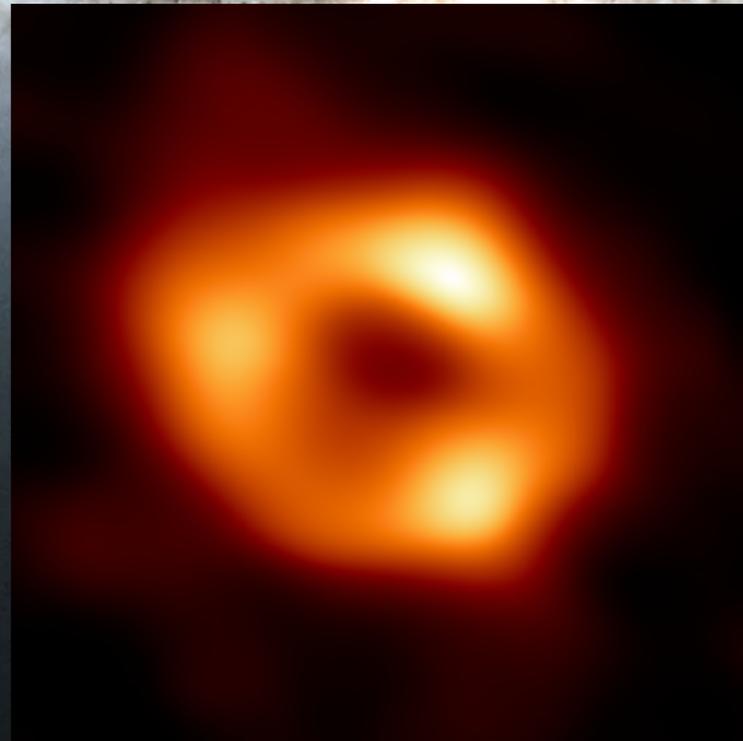


Supermassive Black Hole



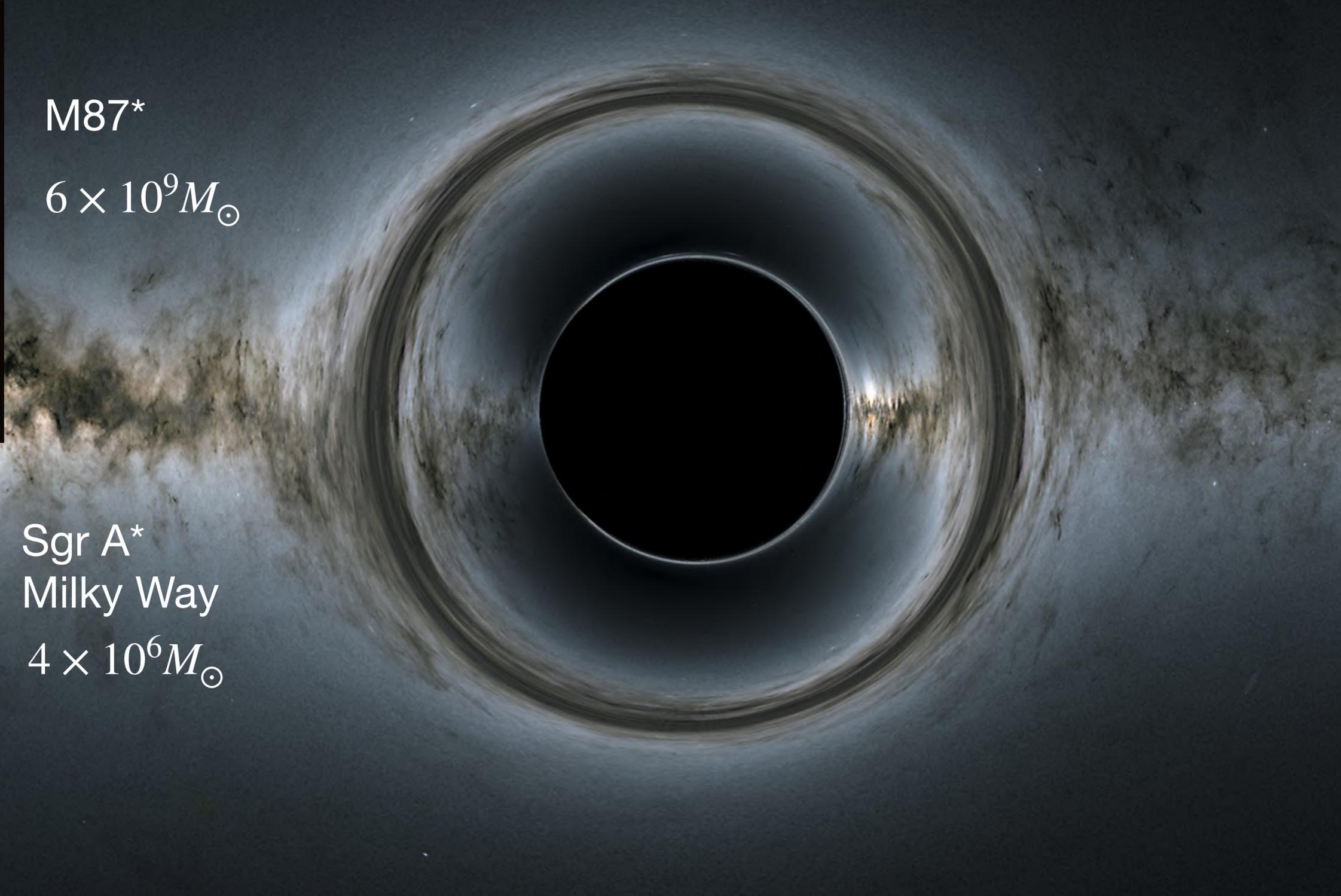
M87*

$$6 \times 10^9 M_{\odot}$$



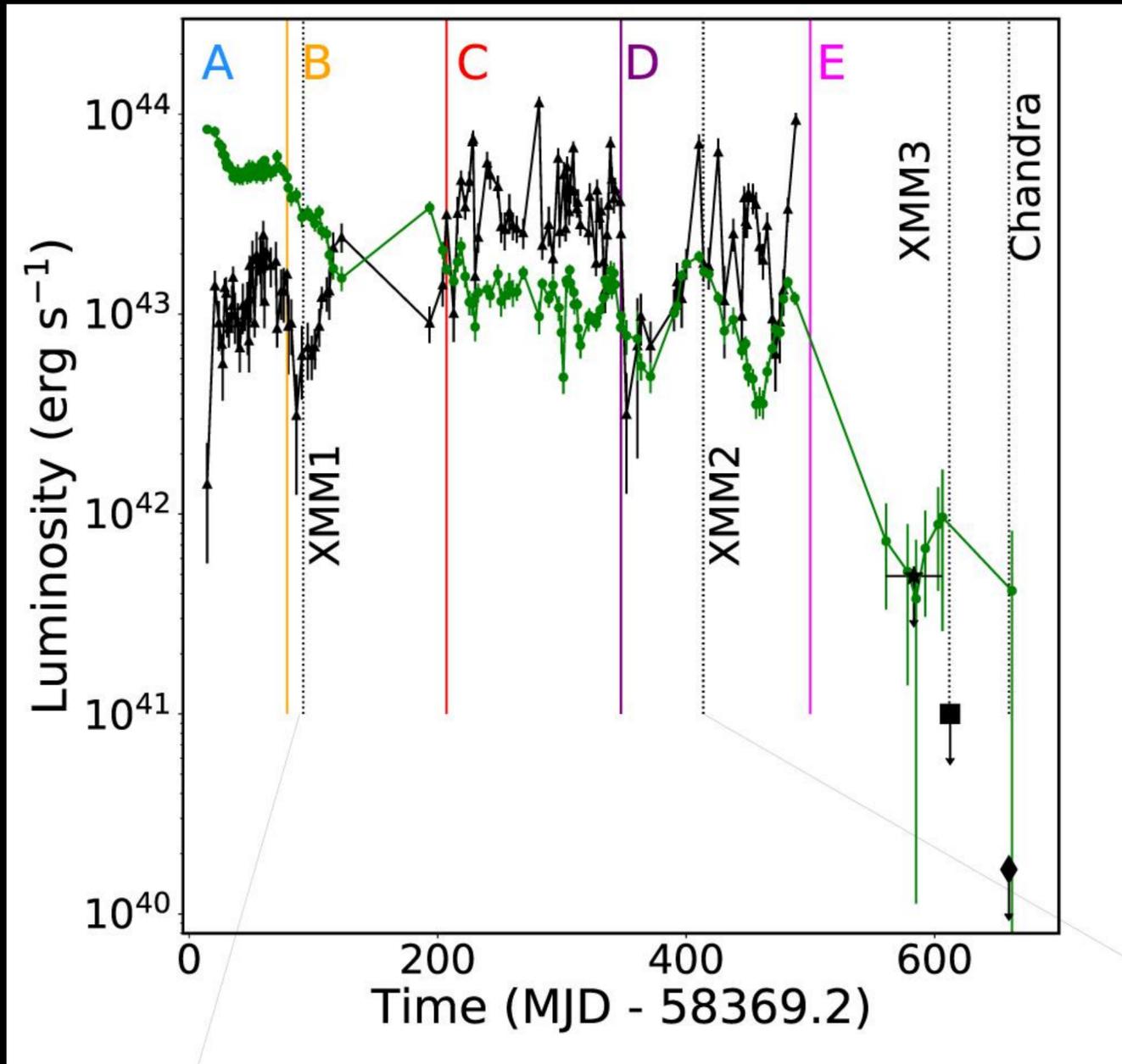
Sgr A*
Milky Way

$$4 \times 10^6 M_{\odot}$$

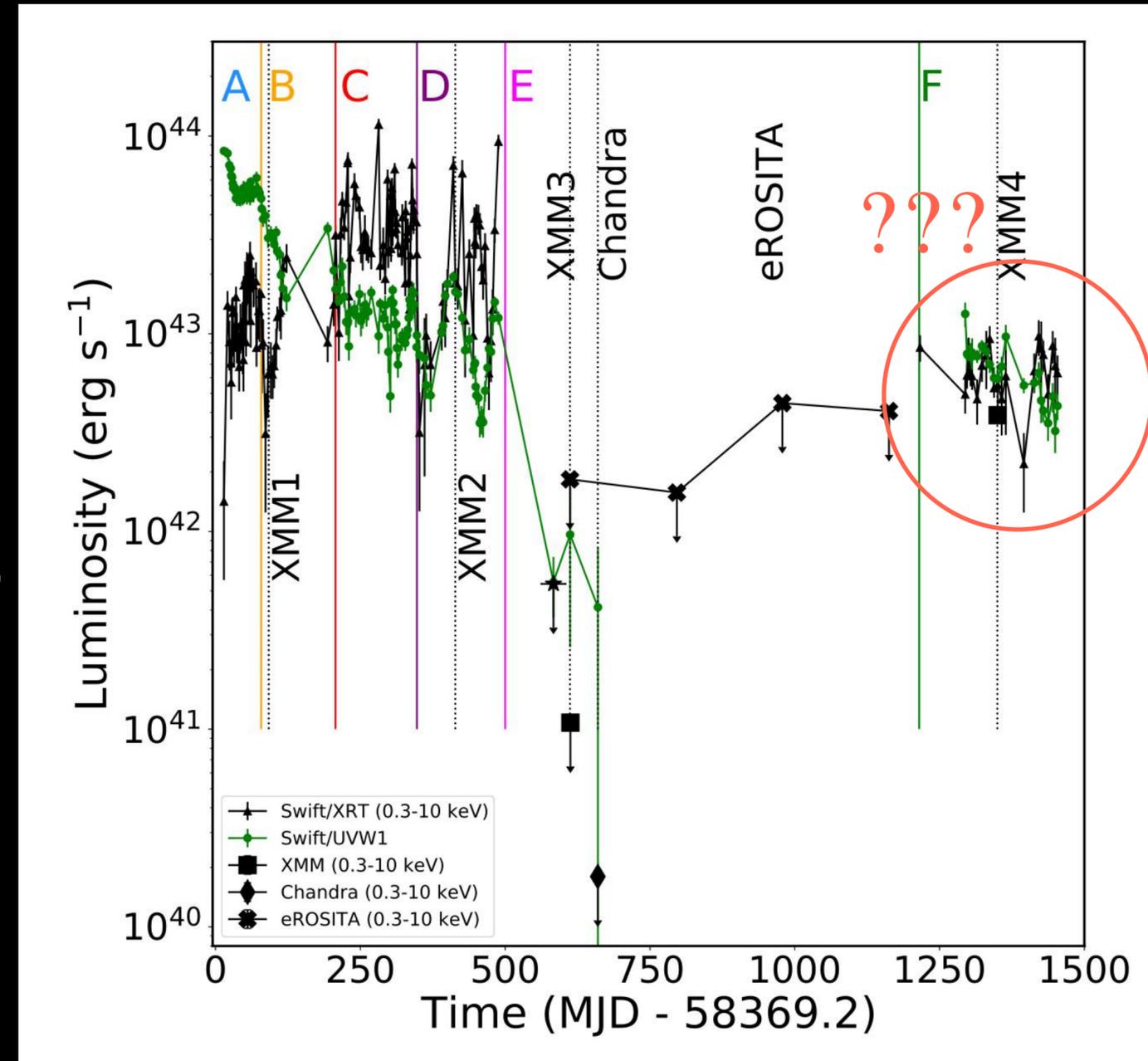


https://www.youtube.com/watch?v=nLYQJWE4U_g

AT2018fyk



⇓
~ 2 years later...



https://www.youtube.com/watch?v=_TRtPDbaQ2k

• AT2018fyk should abruptly dim *again* in August 2023!

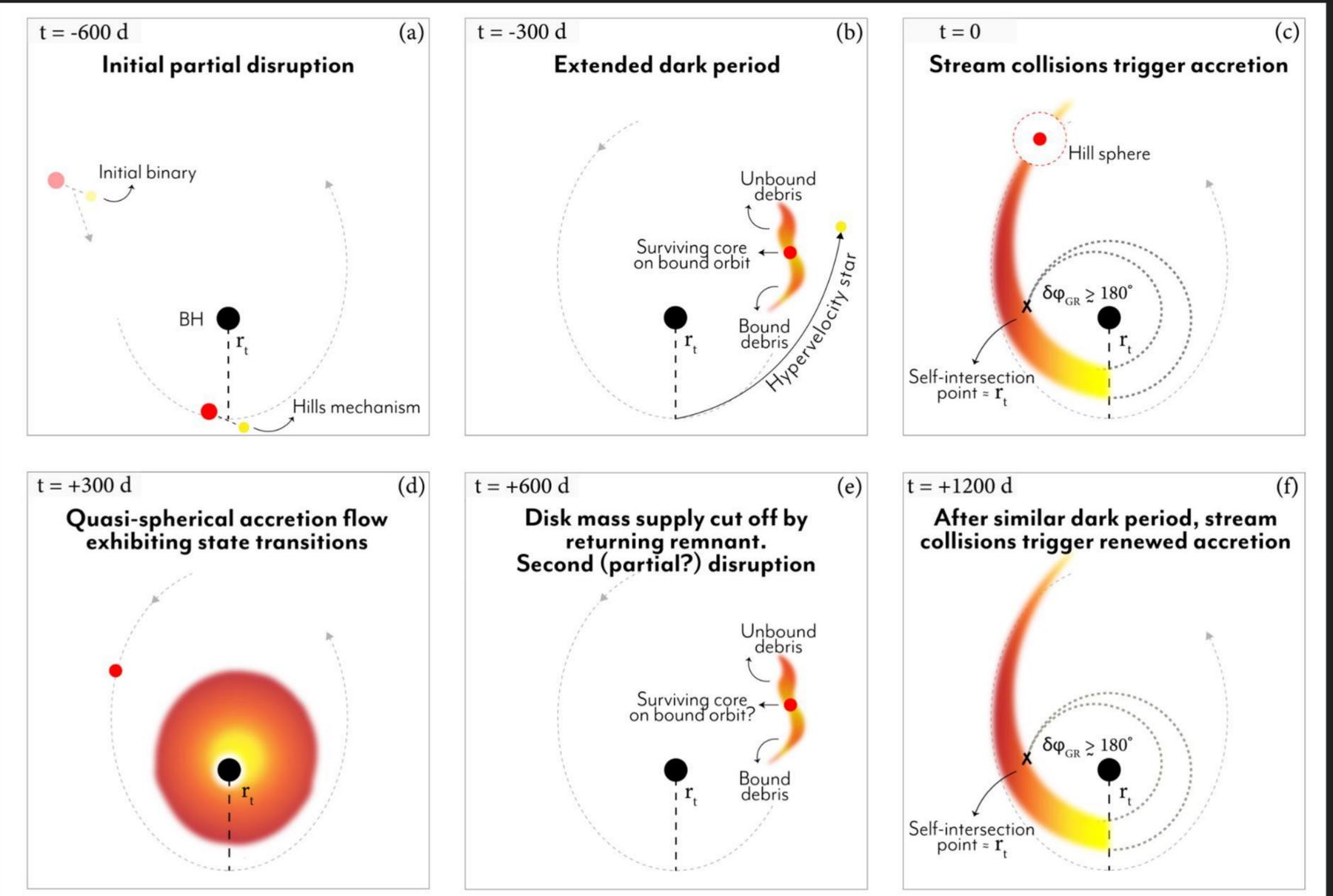
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TDE Animation:



Wevers, Coughlin, Pasham, et al. (2023)

