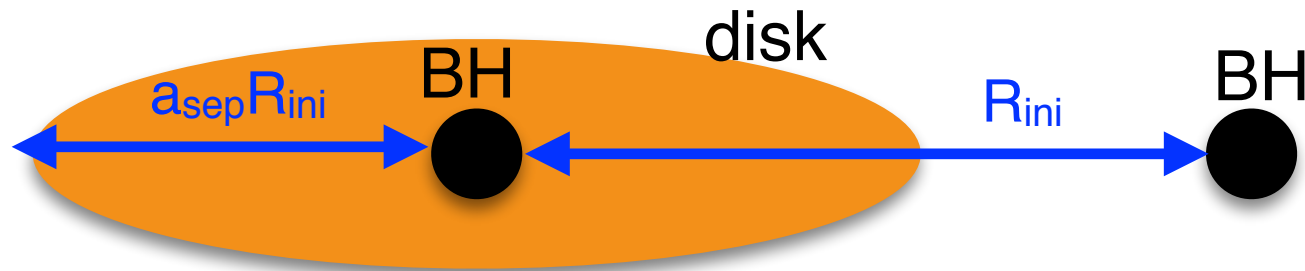


Evolution of an Accretion Disk in Binary Black Hole Systems

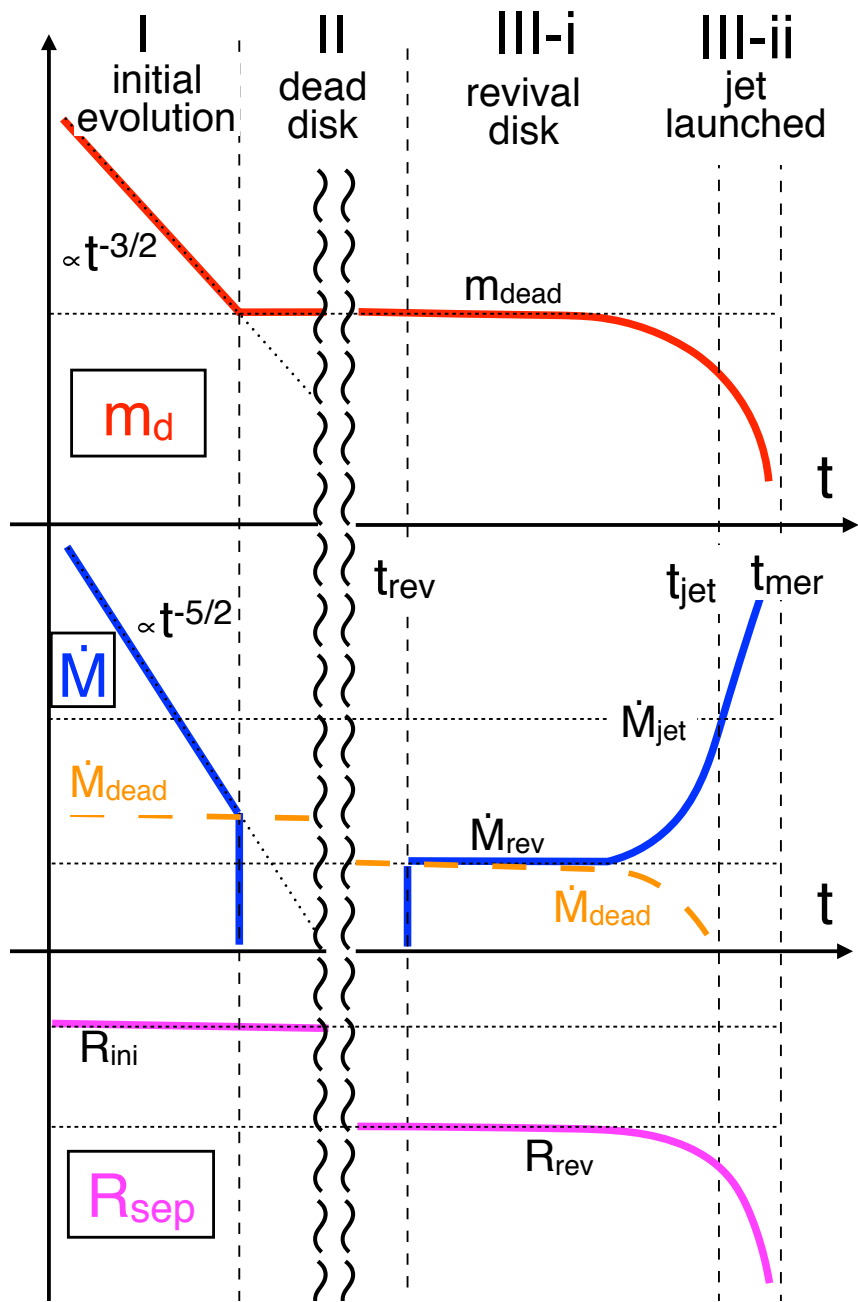


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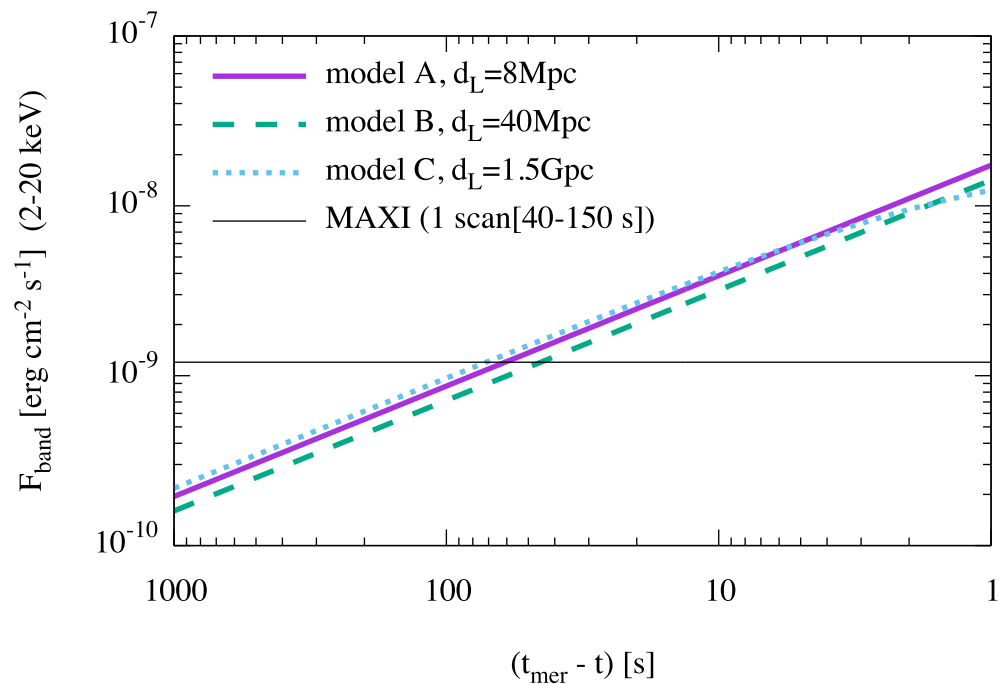
(MNRAS submitted; arXiv:1607.01964)



Perna et al. (2016) claimed that such a disk will become MRI dead, and reactivates a few seconds before the merger producing a **short gamma-ray burst**.



We carefully consider the tidal truncation of the disk (Paczynski 77; Papaloizou & Pringle 77), and **find that the dead disk cannot be so massive as to produce short GRBs.**



But the emissions from jet and forward shock could be detectable by current instruments.