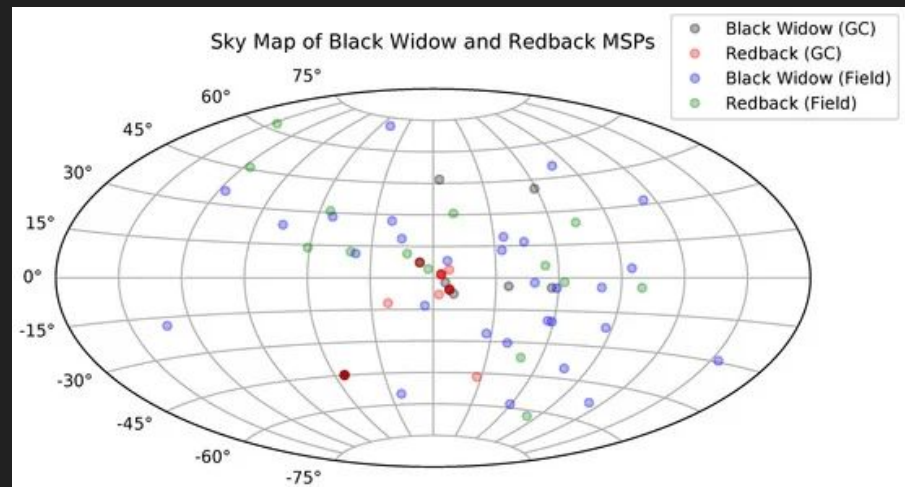
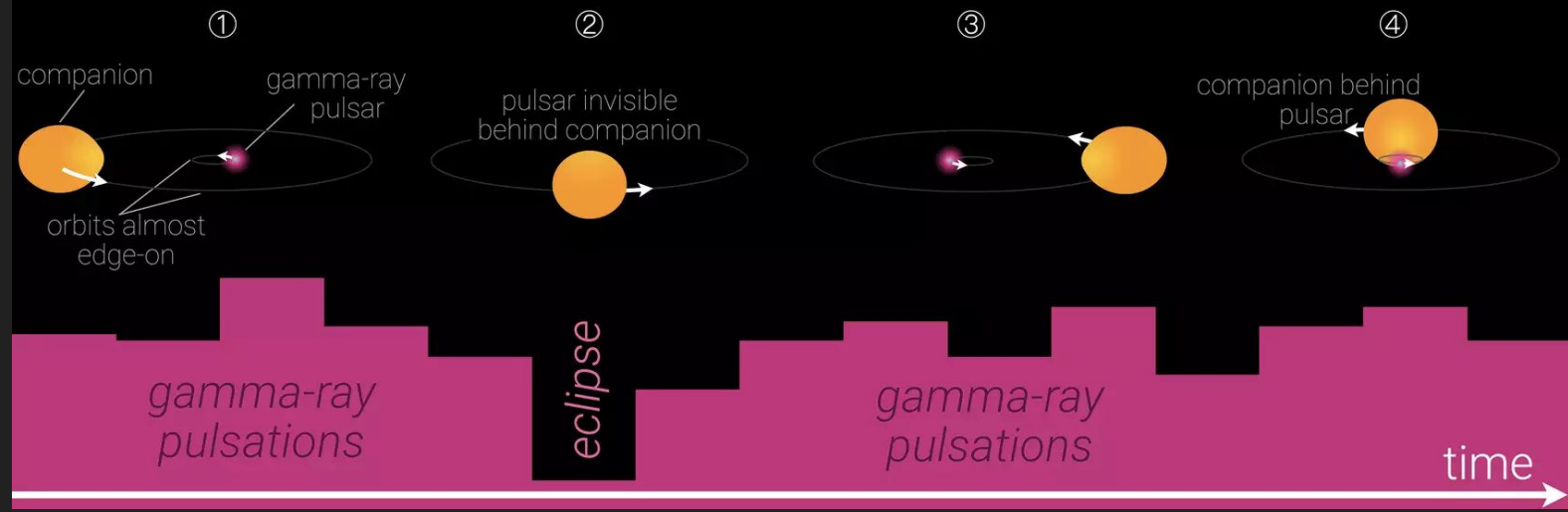


Deriving the mass of neutron stars in spider binaries using timing analysis of H.E.S.S. data

Lívia Silva Rocha, Jelena Celic, Tina Wach





- largest neutron star masses from spider binaries
- gamma rays are not absorbed by the diffuse intra-binary material
- therefore the eclipse gives information about occlusion of the pulsar
- from this we can determine the inclination angle

Image credit: C.Y. Hui, K.L. Li