

GRAVITATIONAL LENSING

LECTURE 8

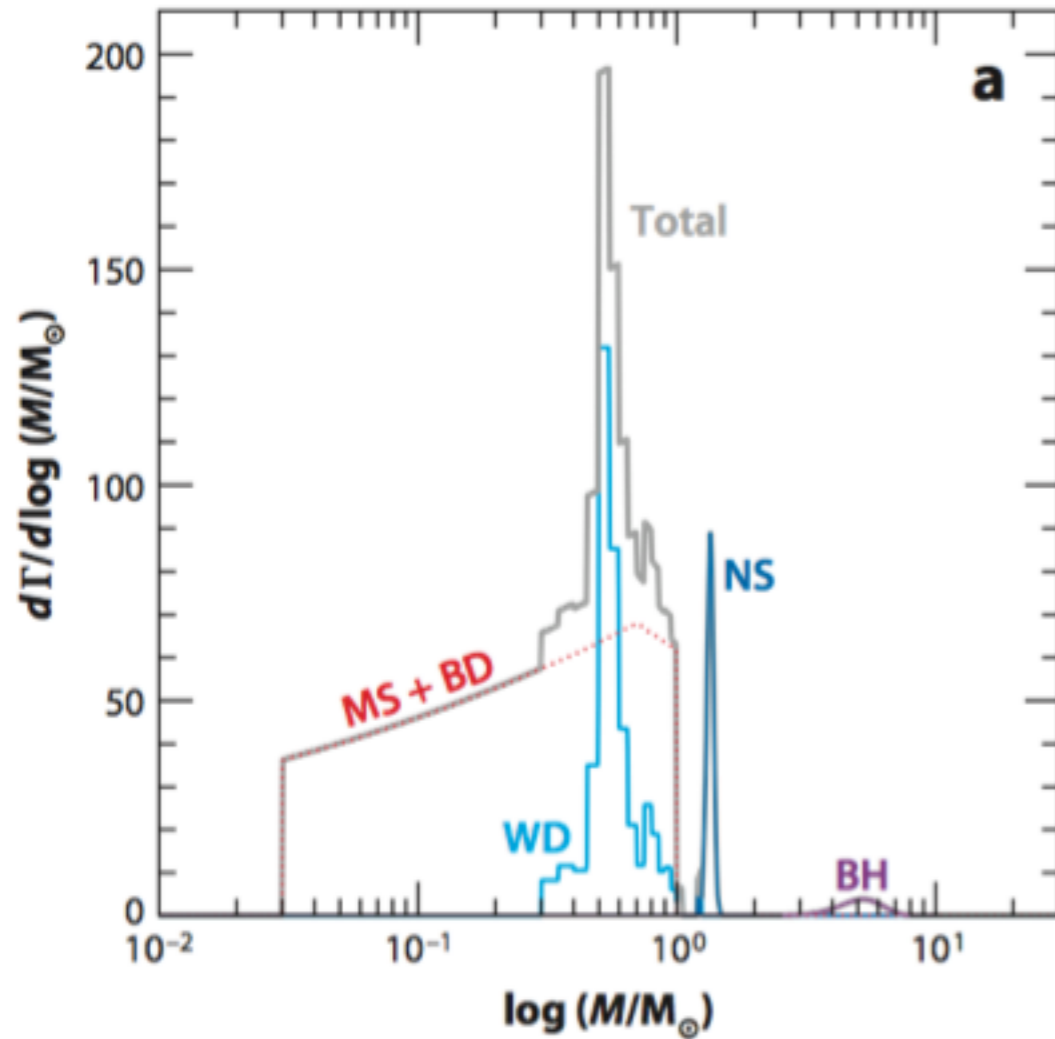
Docente: Massimo Meneghetti
AA 2015-2016

TODAY'S LECTURE

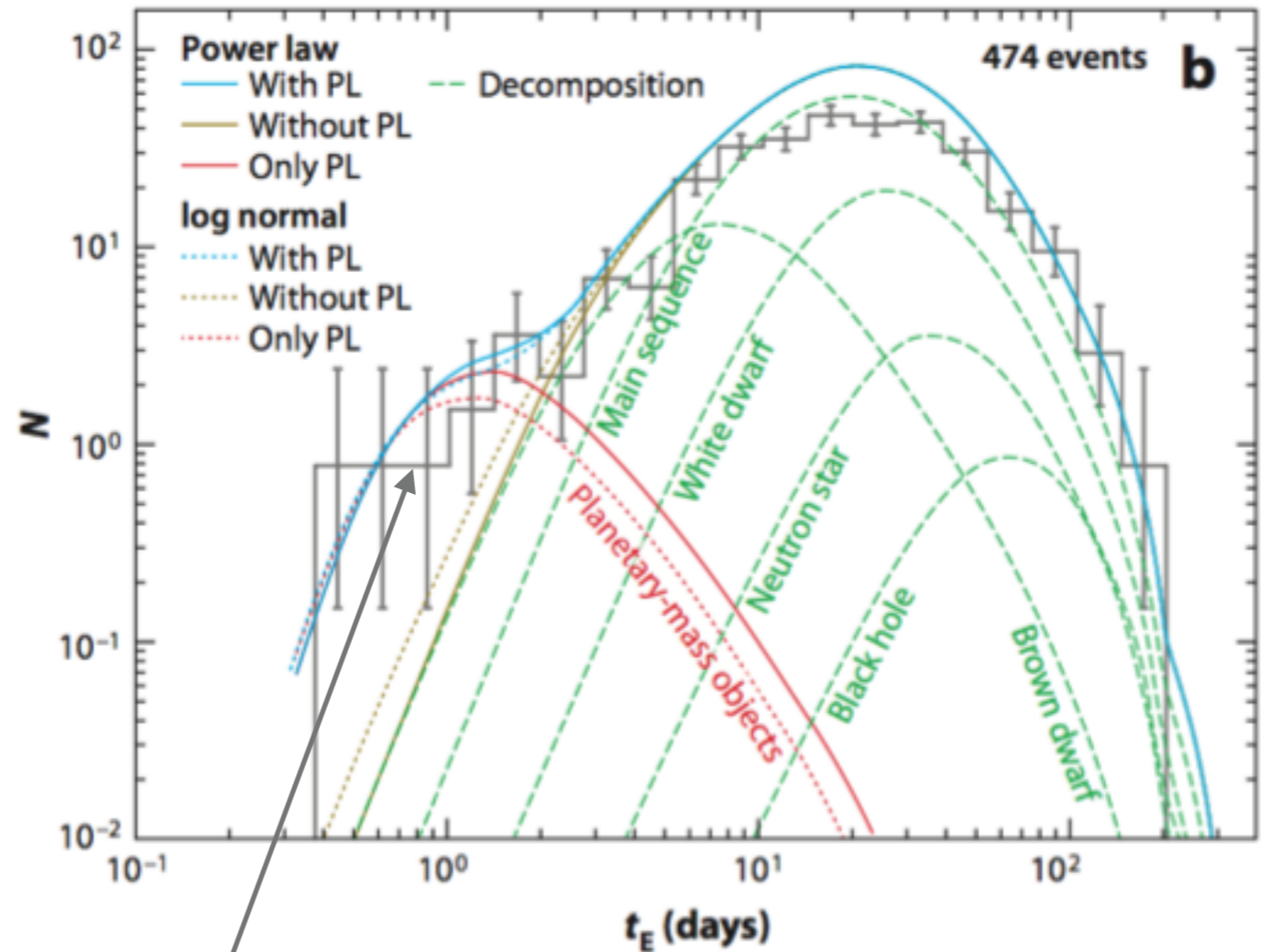
- Lensing by point masses: observational signatures
 - photometric microlensing
 - astrometric microlensing

PROBING THE STELLAR POPULATIONS WITH MICROLENSING

Gaudi, 2012, *Ann. Rev. Astron. Astrophys.* 50, 411



Theoretical estimate of the rate of microlensing events towards the galactic bulge

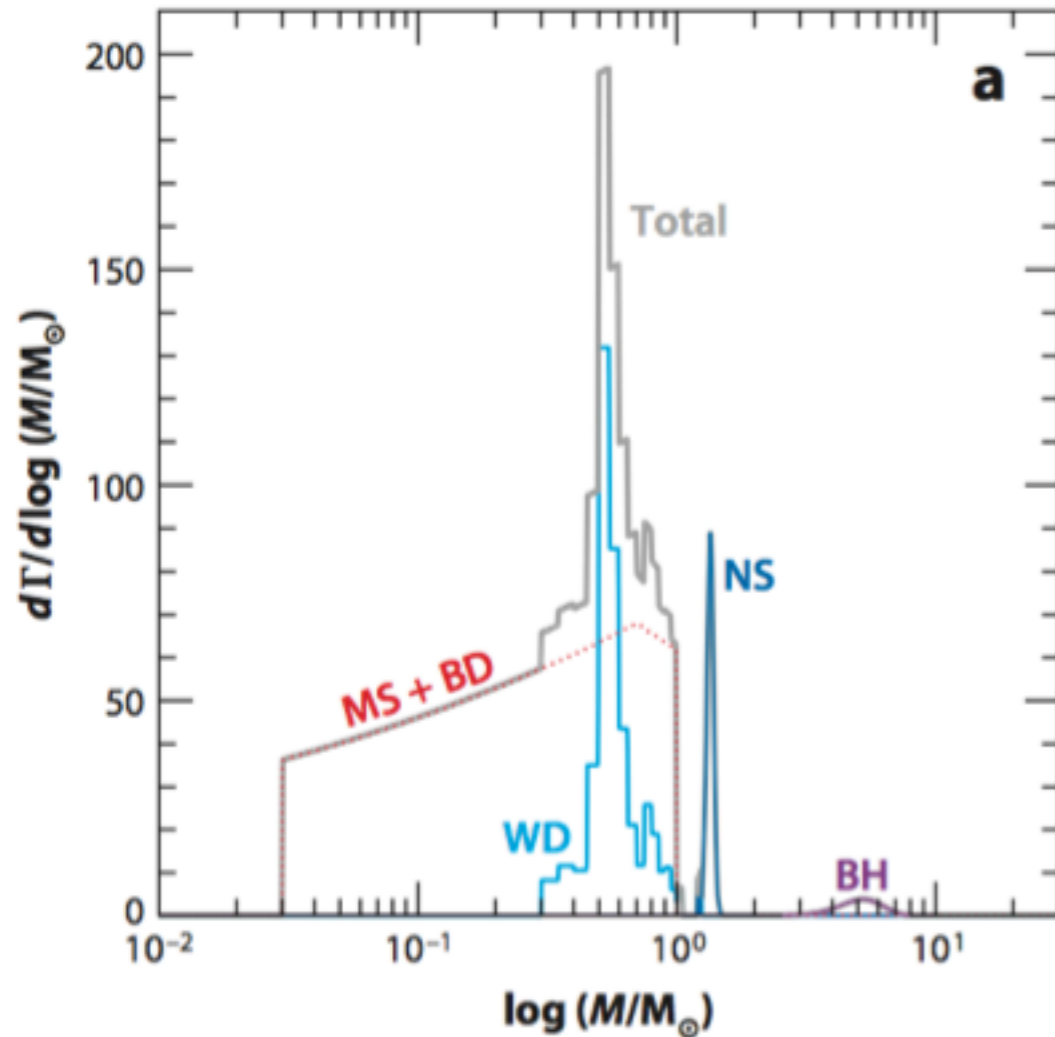


Distribution of microlensing event timescales observed by the MOA collaboration (2006-2007)

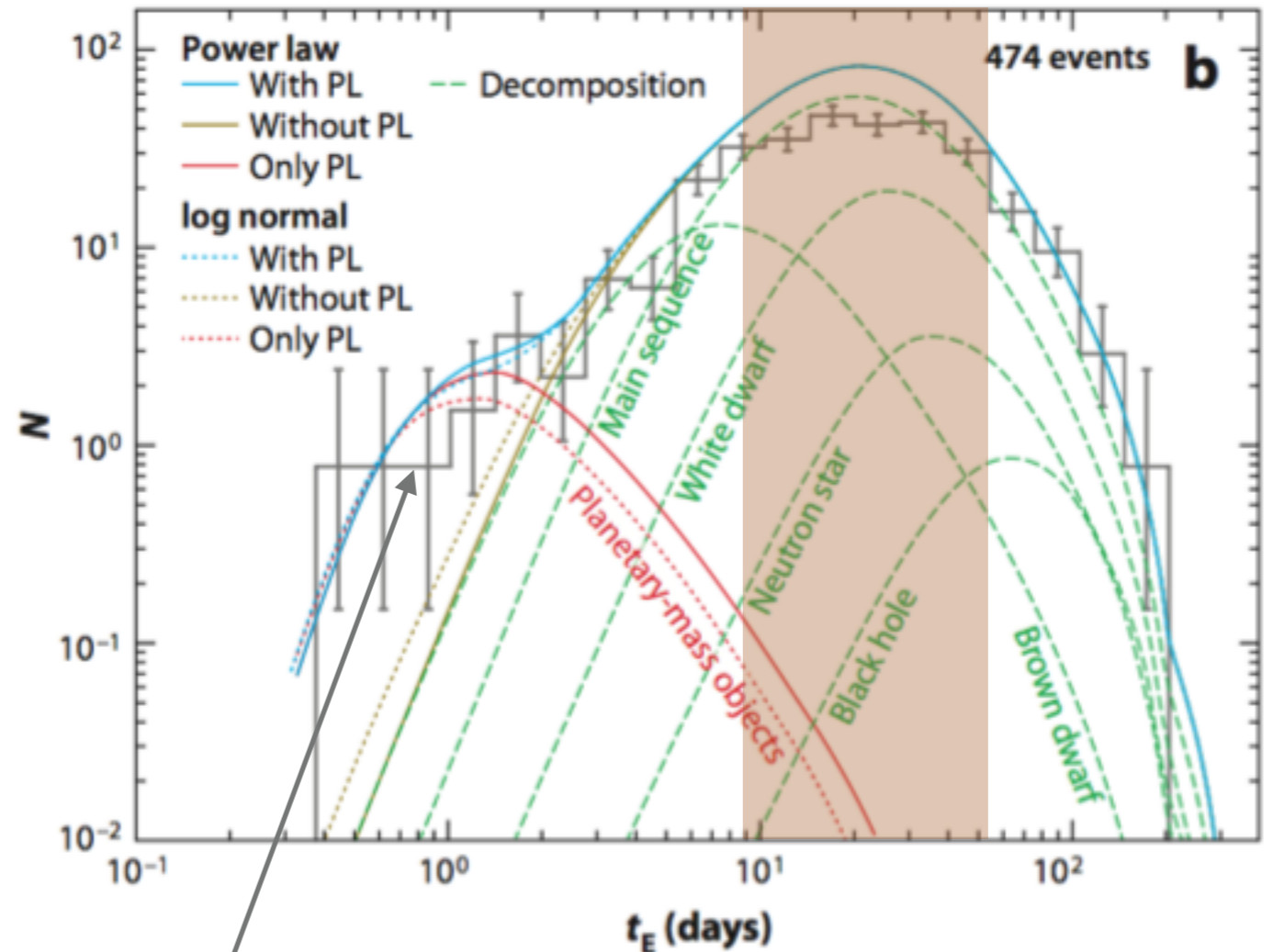
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wide range of masses at fixed t_E !



Theoretical estimate of the rate of microlensing events towards the galactic bulge



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