

Gravitational lensing effects on parameter estimation in gravitational wave detection with advanced detectors

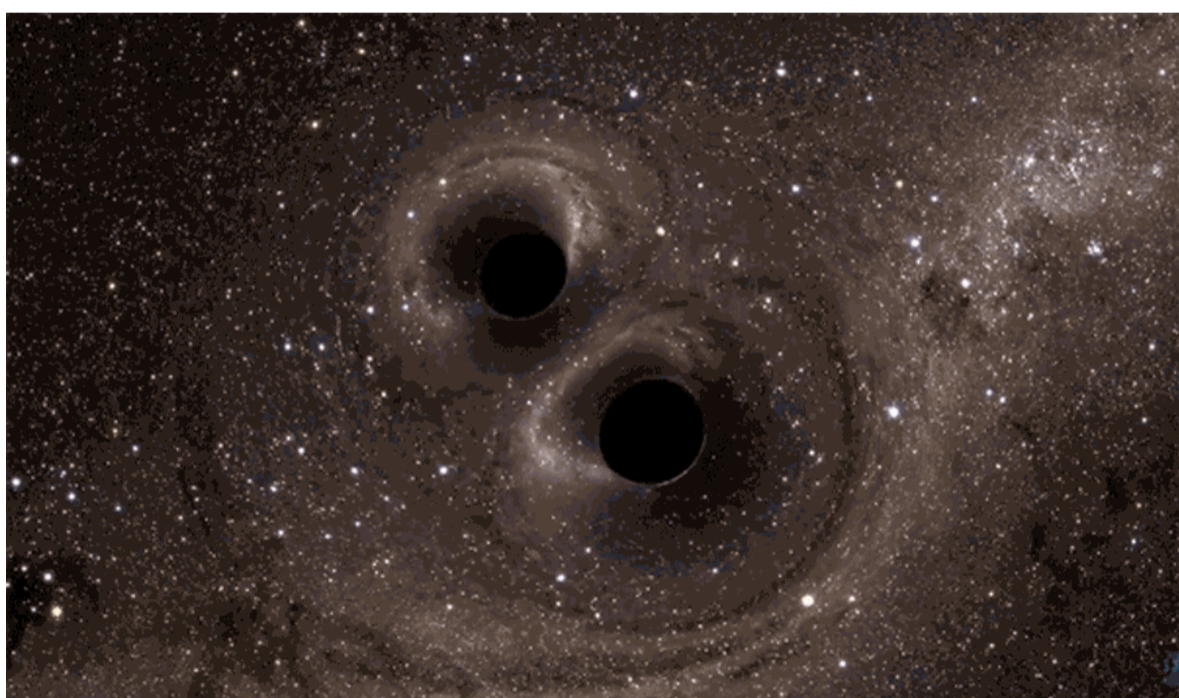
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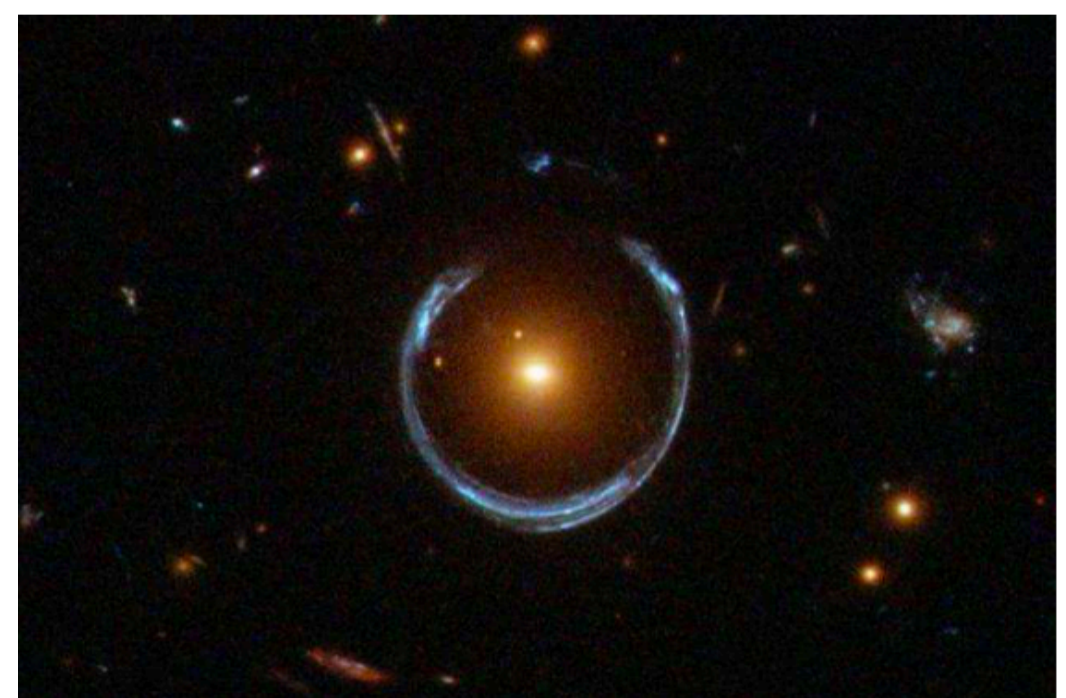
Abstract:

The recent detection of gravitational wave (GW) signal from coalescing binaries opens up a new window to observe the Universe. The upcoming runs of LIGO and Virgo with increased sensitivity and new detector facilities will increase the number of observed GW signals significantly. As a result, the possibility of detecting a gravitationally lensed GW will also increase. The black holes in our Milky Way Galaxy may play the role of lens objects. These facts motivate us to study the lensing effects on gravitational wave signals for advanced detectors. So we are going to give a talk about paper shown in title to illustrate the influence of gravitational lensing on GW.

GW from binary black holes:



Gravitational lensing:



Journal club:

时间：2019年11月12日，中午12:30

地点：3-302