

Gravitational wave emitted from core-collapse supernovae

Wednesday 8 May 2019 10:00 (20 minutes)

Gravitational wave signal from core-collapse supernova is the key to understand the mechanism of core-collapse supernovae. The evolution of the frequency of the signal tells us the property of neutron star and information of the accretion flow near the neutron star. In this study, I will introduce the gravitational waveform based on our recent 3D simulations and discuss what information extracted from the signal.

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Track Classification: STARS