

The Structure and Signals of Neutron Stars, from Birth to Death



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Gravitational Waves from Core-Collapse Supernovae

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The next galactic core-collapse supernova will be observed in the electromagnetic spectrum, in neutrinos, and, for the first time, in gravitational waves. I review gravitational wave emission from stellar collapse and the subsequent core-collapse supernova evolution and discuss how gravitational waves can be used to probe aspects of the explosion mechanism and physical parameters of the progenitor star.

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