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Ginzburg-Landau theory for neutron 3P2 superfluidity in neutron stars

Monday, 24 June 2019 17:00 (20 minutes)

The neutron 3P2 superfluidity is one of the interesting phases inside the neutron stars. In this presentation, we will discuss their properties based on the Ginzburg-Landau theory derived from the tensor-type interaction between two neutrons. We will show the strong magnetic effect relevant to the magnetars, the boundary effect near the surface of the neutron stars, and some related topological properties.

Primary author: Dr YASUI, Shigehiro (Keio University)

Presenter: Dr YASUI, Shigehiro (Keio University)

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