

The Supernova Gamma-Ray Burst Connection and High-Energy Neutrinos

Friday 18 March 2016 14:50 (20 minutes)

Gamma-ray bursts have often been considered as the natural evolution of core-collapse supernovae. I will discuss the possibility that successful and choked gamma-ray bursts belong to the same class of astrophysical transients and show how the flux of high-energy neutrinos emitted from these sources could provide indirect constraints on the rate of choked bursts.

Primary author: TAMBORRA, Irene (Niels Bohr Institute)

Presenter: TAMBORRA, Irene (Niels Bohr Institute)

Session Classification: Talks

Track Classification: Neutrino Physics