

Physics & Space Sciences Department Colloquium

Core-collapse Supernovae: Neutrino Emissions Beyond the Urca Process

Presented by:



Dr. Fred Myhrer

University Of South Carolina

An introduction of the core collapse supernovae scenario will be given, and some basic neutrino physics ideas will be presented.

The main part of the colloquium will concentrate on describing the Urca process and how other neutrino reactions probably dominate the outward moving explosive shock wave which produces the supernova explosion.

A lingering question is still unanswered: why does all our computer simulations fail in producing the supernova explosion?

Friday, September 30, 2016

4:00-5:00 PM

OPS Room 140

Light refreshments will be served