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## Self interactions of Supernova neutrinos

*Saturday 24 July 2010 10:00 (12 minutes)*

Neutrino self interactions can play a substantial role during neutrino propagation near the Supernova core. In fact, self-induced transitions can alter neutrino spectra, depending on the mass hierarchy, producing splits and/or swaps of the spectra. We study how these effects depends on the neutrino luminosities and on the mixing parameters in two and three generations.

**Primary author:** Dr MARRONE, Antonio (Univ. of Bari & INFN Bari)

**Presenter:** Dr MARRONE, Antonio (Univ. of Bari & INFN Bari)

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