Workshop on core-collapse supernova neutrino detection



ID de Contribution: 11 Type: Non spécifié

Physics of supernova neutrino oscillations

jeudi 5 juillet 2018 14:00 (40 minutes)

In this talk the status of both known and unknown neutrino oscillation parameters will be reviewed, with particular focus on the mass ordering and the its discrimination with present experiments and future projects. In this context our current understanding of supernova neutrino flavor conversions is discussed, from ordinary flavor oscillations during the shock-wave propagation to collective flavor transitions induced by self-interactions.

Orateur: MARRONE, Antonio (Dipartimento di Fisica, Univ. di Bari & INFN Bari)