ID contributo: **664** Tipo: **Plenary talk**

Solar Neutrinos: Recent Results and Prospects

giovedì 20 giugno 2024 11:20 (25 minuti)

Following a long history of discoveries, the field of solar neutrinos maintains the dual interest of providing a way to probe the mechanism of the Sun's burning, as well as an intense source of neutrinos to test the standard oscillations paradigm.
This talk focuses on recent results on 8B solar neutrinos from the Super-Kamiokande and SNO+ experiments, and outlines the prospects for new measurements of the wider spectrum with upcoming experiments. In fact, a combination of massive new detectors aimed at beam or reactor neutrino oscillations (JUNO, HK, DUNE), and the development of new technologies in liquid scintillator experiments (JNE, THEIA, CLOUD) has the potential to go much beyond the current reach.

Poster prize

Given name

Surname

First affiliation

Second affiliation

Institutional email

Gender

Collaboration (if any)

Autore principale: MANEIRA, Jose (LIP)

Relatore: MANEIRA, Jose (LIP)

Classifica Sessioni: S11: Solar and Geo neutrinos