

Solar neutrino oscillations and non-standard physics

The presence of neutrino oscillations in the solar neutrino flux is nowadays a fact supported by all the existing solar neutrino experiments and unambiguously confirmed by the reactor experiment KamLAND. In this talk we will review the current status of the solar neutrino parameter determination after the latest results from the Sudbury and Borexino solar experiments. We will also discuss the robustness of the oscillation interpretation of solar neutrino data with respect to the presence of non-standard neutrino properties or non-standard physics in the Sun.

Primary author: Dr TÓRTOLA, Mariam (Universität Hamburg)

Presenter: Dr TÓRTOLA, Mariam (Universität Hamburg)

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