

Recent results from Borexino and prospects for the SOX project

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The Borexino experiment, located at the Gran Sasso Laboratory in Italy, is operational since 2007. The unprecedented ultra-low background of the inner scintillating core has allowed to measure the fluxes of different components of the solar neutrino spectrum for the first time, thus probing both solar neutrino oscillations and the Standard Solar Model. We present the newest results on solar neutrinos obtained with Borexino Phase-II data. Furthermore, we discuss the prospects for the SOX project, which will start at the beginning of 2018 and it will be able to test the long-standing issue of the existence of a sterile neutrino.

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