

Solar neutrino spectroscopy in Borexino

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In more than 10 years of operation, Borexino has performed a precision measurement of the solar neutrino spectrum, resolving almost of all spectral components originating from the proton-proton fusion chain. The presentation will review the results recently released for the second data taking phase 2012-16 during which the detector excelled by its unprecedentedly low background levels and enhanced time stability. I will discuss not only absolute measurements of the neutrino fluxes and corresponding neutrino oscillation probabilities but also the annual modulation analysis of the Be-7 neutrino signal as well as new experimental limits on the neutrino magnetic moment.

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