

## 38th INTERNATIONAL CONFERENCE ON HIGH ENERGY PHYSICS

AUGUST 3 - 10, 2016 CHICAGO

Contribution ID: 140

Type: Oral Presentation

## Recent results from Borexino (25' + 5')

Thursday, 4 August 2016 09:35 (30 minutes)

The Borexino experiment is running at the "Laboratori del Gran Sasso" in Italy since 2007. Its technical distinctive feature is the unprecedented ultralow background of the inner scintillating core, which is the basis of the outstanding achievements obtained by the experiment.

In this talk, after recalling the main features of the detector, the impressive solar and geoneutrino results accumulated so far by Borexino will be summarized, with special emphasis to the most recent and prominent results. Specifically, these are on one hand the measure of the fundamental pp solar neutrino flux, which is the direct probe of the engine mechanism powering our star, and on the other the detection of the geo-neutrino signal with a significance as high as 5.9 sigma.

The pp milestone measurement puts Borexino in the unique situation of being the only experiment able to do solar neutrino spectroscopy over the entire solar spectrum; the counterpart of this peculiar status in the oscillation interpretation of the data is the capability of Borexino alone to perform the full validation across the solar energy range of the MSW-LMA paradigm.

The implications of the geoneutrino data in term of capability to investigate important geophysical properties of the interior of the Earth will be also discussed.

The talk will be concluded highlighting the perspectives for the final stage of the solar program of the experiment, centered on the goal to fully complete the solar spectroscopy with the missing piece of the CNO neutrinos. If successful, such a measurement would represent the final crowning of the long quest of Borexino to unravel all the properties of the neutrinos from the Sun.

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Session Classification: Neutrino Physics

Track Classification: Neutrino Physics