



Contribution ID: 32

Type: **Talk**

The CNO measurement and its role in the stars and the Sun physics

Friday 2 September 2022 10:00 (30 minutes)

I will describe the measurement of the CNO component of the Solar Neutrino spectra by the BOREXINO experiment at the Laboratori Nazionali del Gran Sasso in Italy. This, analysis, together with previous measurements of Solar Neutrino spectra, conclusively demonstrates the mechanism of energy generation in the Sun (and in Main Sequence Stars). The implication of the measurement on the details of the current model of the Sun (and its metallicity) will also be discussed.

Is this abstract from experiment?

Yes

Name of experiment and experimental site

BOREXINO at Laboratori Nazionali del Gran Sasso

Is the speaker for that presentation defined?

Yes

Details

M. Giammarchi

Internet talk

No

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Session Classification: Cosmology, Astrophysics, Gravity, Mathematical Physics