ID de Contribution: **64** Type: **Non spécifié**

Results from the Borexino experiment

vendredi 13 mars 2009 19:45 (20 minutes)

Borexino is a low threshold liquid-scintillator detector for solar neutrinos located in the LNGS underground laboratory, Italy. Because of the ultra-high radio purity it is the first experiment able to do a real time analysis of the low energetic solar neutrinos.
A detection of the solar ^{7}Be neutrinos with a rate of 47+-7 counts/day/100tons was reported (192 days of live time measurement). ^{8}B neutrinos were observed with a rate of 0.26+-0.06 counts/day/100tons after 246 live days. All detected neutrino fluxes agree with the SSM predictions in case of the MSW-LMA oscillation solution.

Auteur principal: M. LEWKE, Timo (Borexino/ Technische Universität München)

Orateur: M. LEWKE, Timo (Borexino/ Technische Universität München)

Classification de Session: Neutrino Physics