Contribution ID : 21

## Low energy neutrinos from gamma-ray bursts: experimental search status

Tuesday, 6 October 2015 14:15 (15)

Gamma-ray bursts (GRBs) are the most energetic known events in the Universe. Though gamma-ray telescopes observe about one GRB event per day, the nature of this phenomenon is not yet tottaly understood. Many theoterical models predict emission of neutrinos of all types in a wide energy range. In this talk we review experimental searches of GRB neutrinos in MeV energy range. The searches of this kind had been performed by several experiments: SuperKamiokande, SNO and KamLAND. Also the similar study is now in progress in Borexino collaboration.

## **Presentation type**

Section talk (10+5 min)

Primary author(s): TOROPOVA, Maria (NRNU MEPHI, NRC Kurchatov Institute)
Presenter(s): TOROPOVA, Maria (NRNU MEPHI, NRC Kurchatov Institute)
Session Classification: Nuclear physics and particle physics - parallel II

Track Classification : Nuclear physics and particle physics