

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 totally understood. Many theoretical 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)

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Session Classification : Nuclear physics and particle physics - parallel II

Track Classification : Nuclear physics and particle physics