

Acoustic detection of high energy neutrinos in Fresh water

Thursday 9 June 2016 11:00 (30 minutes)

The features, advantage and difficulties of acoustic detection of high energy neutrinos in Fresh water are discussed. The status and perspectives of the feasibility study to detect high energy cosmic neutrinos acoustically in Lake Baikal is presented. A concept of acoustic array as a part of Baikal Gigaton Volume Neutrino Telescope NT1000 based on results of simulation and background measurements is described.

Author: Prof. BUDNEV, Nikolay (Irkutsk State University)

Presenter: Prof. BUDNEV, Nikolay (Irkutsk State University)

Session Classification: Presentations