

## Abstract

As is well-known, the Sun is a source of electron neutrinos of energy  $< 20$  MeV. These neutrinos have been detected for a few decades by man-made detectors on Earth. In principle, both inside the core of the Sun and on its surface, neutrinos of energy of GeV or higher can be produced. So far these neutrinos have not been detected but forthcoming  $1 \text{ km}^3$ -scale neutrino telescopes have the potential to testify or rule out their existence. In this seminar, we shall review such high energy solar neutrinos and their possible implications.