

SuperNova Early Warning System status and plans

Andrey Sheshukov

JINR

SuperNova Early Warning System (SNEWS) is an international network of neutrino experiments, aiming at the real-time search and analysis of neutrino signals for providing the early warning of galactic supernova. This system has been operating since 1998 in a simple coincidence mode. In this work we present the current status and plans of an ongoing major upgrade of the SNEWS system, which includes studying theoretical predictions of supernova neutrino signals and expected observable effects in various neutrino detectors, applying more advanced coincidence techniques, accounting for directional information and a search for pre-supernova neutrino signal.
