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Search for Supernova Neutrino Bursts with the Large Volume Detector

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The Large Volume Detector (LVD) in the INFN Gran Sasso National Laboratory, Italy, is a 1 kton liquid scintillator neutrino observatory mainly designed to study low energy neutrinos from gravitational stellar collapses. LVD is sensitive to core-collapse supernovae via neutrino burst detection with 100% efficiency over our own entire Galaxy. The result of the search of neutrino bursts from gravitational stellar collapses in the period from June 1992 to June 2015 is presented.

Collaboration

– not specified –

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