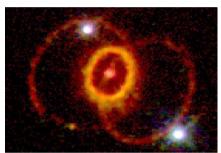
STATUS OF LVD EXPERIMENT

A.Molinario on behalf of the LVD collaboration

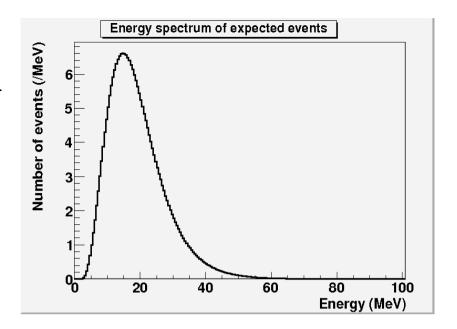


1kton liquid scintillator neutrino observatory @ Laboratori Nazionali del Gran Sasso (Italy)

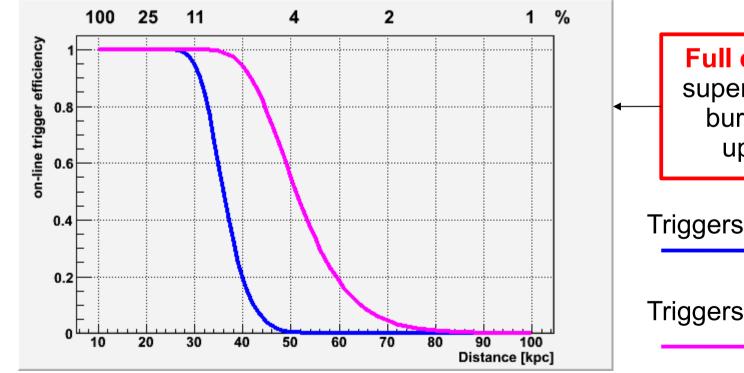




Particularly suited to look for neutrino bursts from gravitational stellar collapses in our Galaxy



% of SN1987A v flux

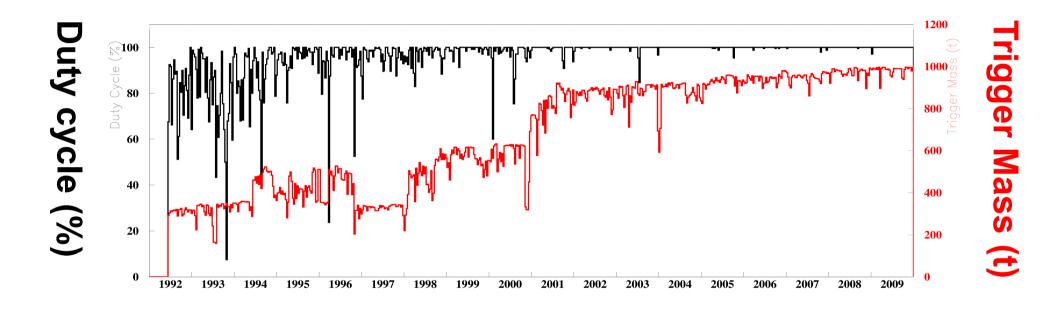


Distance (kpc)

Full efficiency for supernova neutrino burst detection up to 30 kpc

Triggers above 7 MeV

Triggers above 10 MeV



NO NEUTRINO BURST CANDIDATE SELECTED IN THE WHOLE PERIOD

June 6th , 1992 – May 31st , 2010

The limit to the supernova rate in the Galaxy is 0.14 / year (90% c.l.)

Moving to the new DAQ

We are moving to the new DAQ server. We plan to complete this business by the end of July.

All tests performed up to now went well.

This operation will not affect SNEWS connectivity at all.