

SUPERNOVAE AND THE SUDBURY NEUTRINO OBSERVATORY

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The Sudbury Neutrino Observatory (SNO) has unique capabilities as a supernova detector. In the event of a galactic supernova there are opportunities, with the data that SNO would collect, to constrain neutrino properties and to test details of models of supernova dynamics. In addition, SNO has an online supernova analysis trigger which will provide prompt notification to the astronomical community through the Supernova Early Warning System (SNEWS).