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Triangulation method for locating a core-collapse supernova

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Modern neutrino facilities will be able to detect a large number of neutrinos from the next Galactic supernova. In this talk we will present the update of the triangulation method for locating a core-collapse supernova by employing the neutrino arrival time differences at various detectors. We will discuss detailed numerical fits which are necessary in order to determine the uncertainties of these time differences for the cases when the core collapses into a neutron star or a black hole. A global picture with the inclusion of all relevant present and near future neutrino detectors is presented.

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