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## Neutrino signals of the next galactic supernova

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During the final stages of stellar evolution prior to the visible event of the supernova explosion, neutrino signals are produced at the core of the collapsing star. The time and energy profiles of these signals carry the information about the complex physical processes inside the star, as well as the fundamental properties of neutrino mixing. Also, if detected and analyzed with minimal latency, these signals can be used as an early warning for the following supernova explosion. The SuperNova Early Warning System (SNEWSv2.0) collaboration, uniting people from various neutrino and dark matter experiments, is developing infrastructure for an automated low-latency joint analysis of the next galactic supernova neutrino observations. This talk will describe the current status of the SNEWSv2.0 development, its goals and features.

### Summary

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**Session Classification:** Sectional talks