

The SuperNova Early Warning System & Software for Studying Supernova Neutrinos

Wednesday 14 September 2022 14:00 (30 minutes)

The SuperNova Early Warning System (SNEWS) connects different neutrino experiments to quickly alert the astronomy community once the next galactic supernova happens. Since 2019, it has been completely re-designed for the new era of multimessenger astronomy.

This talk will give an overview over SNEWS' fully Python-based toolchain, covering communication of experiments with SNEWS, coincidence detection and combined analyses like supernova triangulation. I will also introduce physics simulation software that SNEWS is developing for use by the broader supernova neutrino community.

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