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The CEvNS Glow of a Supernova in Large Underground Detectors ADRYANNA SMITH, Duke University — Coherent elastic neutrino-nucleus scattering (CEvNS) is a neutral-current process in which a neutrino scatters off an entire nucleus, depositing a tiny recoil energy. The process has high rate but low energy deposition. It is especially interesting for supernova burst detection in that it allows measurement of properties of all flavor components of the supernova burst. This talk will discuss prospects for detection of the CEvNS component of a supernova neutrino burst in existing and future large neutrino detectors.

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