

## HALO-1kt: A massive helium and lead observatory for supernova neutrinos

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HALO-1kt is a supernova neutrino observatory which would leverage 1000 tonnes of lead from the decommissioned OPERA experiment to create a low cost and low maintenance neutrino detector. It is to be sited at LNGS, and is intended to operate as a scaled up version of the original HALO. Due to its sensitivity to  $\nu_e$ , it is complementary to water Cherenkov and liquid scintillator-based detectors. Design is currently in progress.

**Primary author:** Dr GESKE, Matthew (Gonzaga University)

**Presenter:** Dr GESKE, Matthew (Gonzaga University)

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