

cross section

Background-free operation down to 0.25 keV_r Improve upon WIMP limits for <2 GeV

CYGNUS-10 m³

CYGNUS-1 m³

Background-free operation down to $0.5~{\rm keV_r}$ Best SD-proton limits across all masses

CYGNUS-100 m³ ∼1 Solar neutrino per year

CYGNUS- 1000 m^3 Sensitive to reactor neutrinos

 $\mathcal{O}(10)$ Solar neutrinos per year

CYGNUS-10k m³

Best SI limits across all masses

Detect core-collapse supernova at 8 kpc

1 order of magnitude below neutrino floor at 9 GeV Measure geoneutrinos

CYGNUS-100k m³