

## CYGNUS-1 m<sup>3</sup>

Background-free operation down to  $0.25~{\rm keV_r}$  Improve upon WIMP limits for  $<2~{\rm GeV}$ 

# CYGNUS-10 m<sup>3</sup>

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

### CYGNUS-100 m<sup>3</sup>

∼1 Solar neutrino per year

#### CYGNUS-1000 m<sup>3</sup>

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

## CYGNUS-10k m<sup>3</sup>

Best SI limits across all masses Detect core-collapse supernova at 8 kpc

# CYGNUS-100k m<sup>3</sup>

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