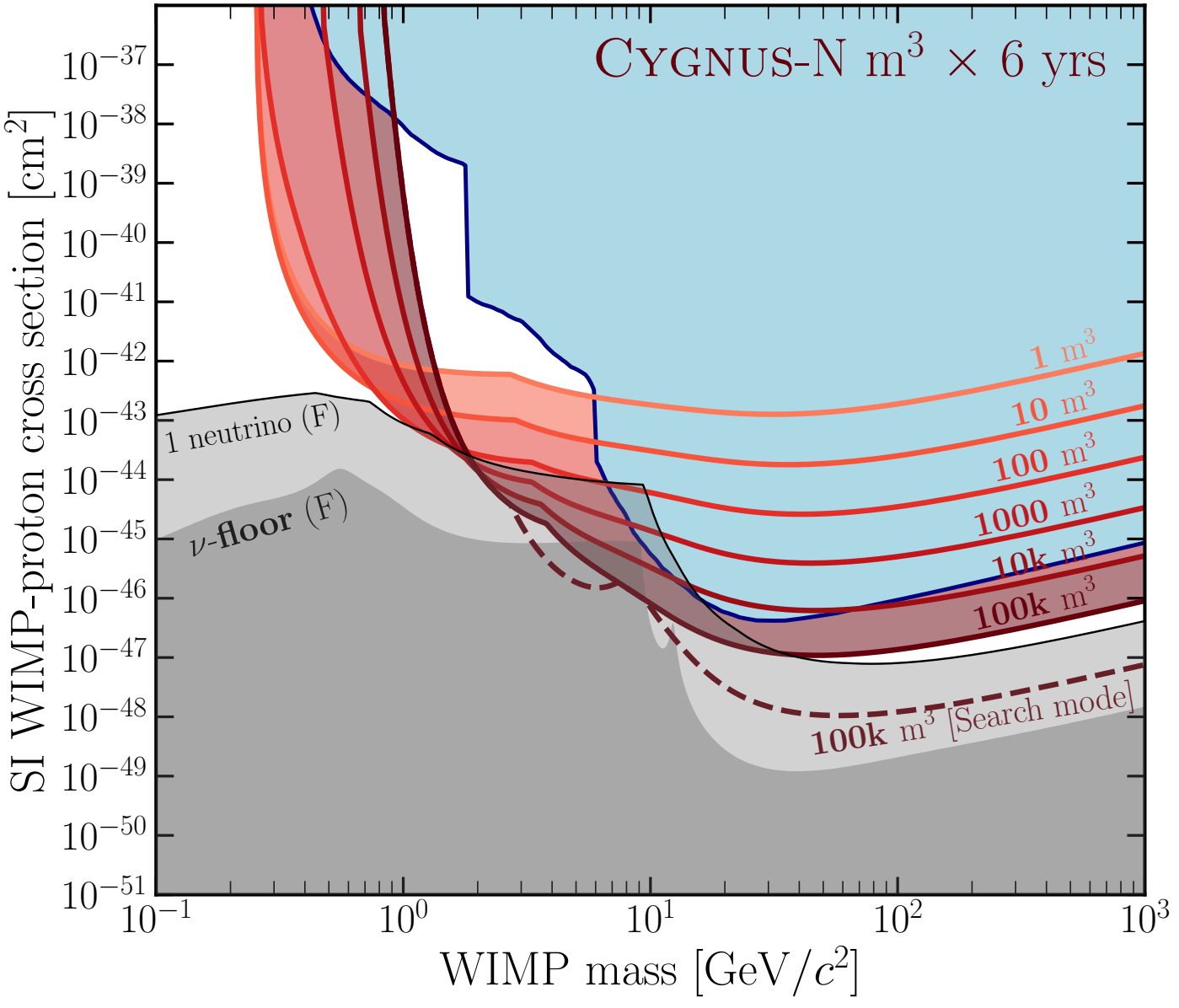

CYGNUS-1 m³

Background-free operation down to 0.25 keV_r

Improve upon WIMP limits for <2 GeV

CYGNUS-10 m³

Background-free operation down to 0.5 keV_r

Best SD-proton limits across all masses

CYGNUS-100 m³

~1 Solar neutrino per year

CYGNUS-1000 m³

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

CYGNUS-100k m³

1 order of magnitude below neutrino floor at 9 GeV

Measure geoneutrinos