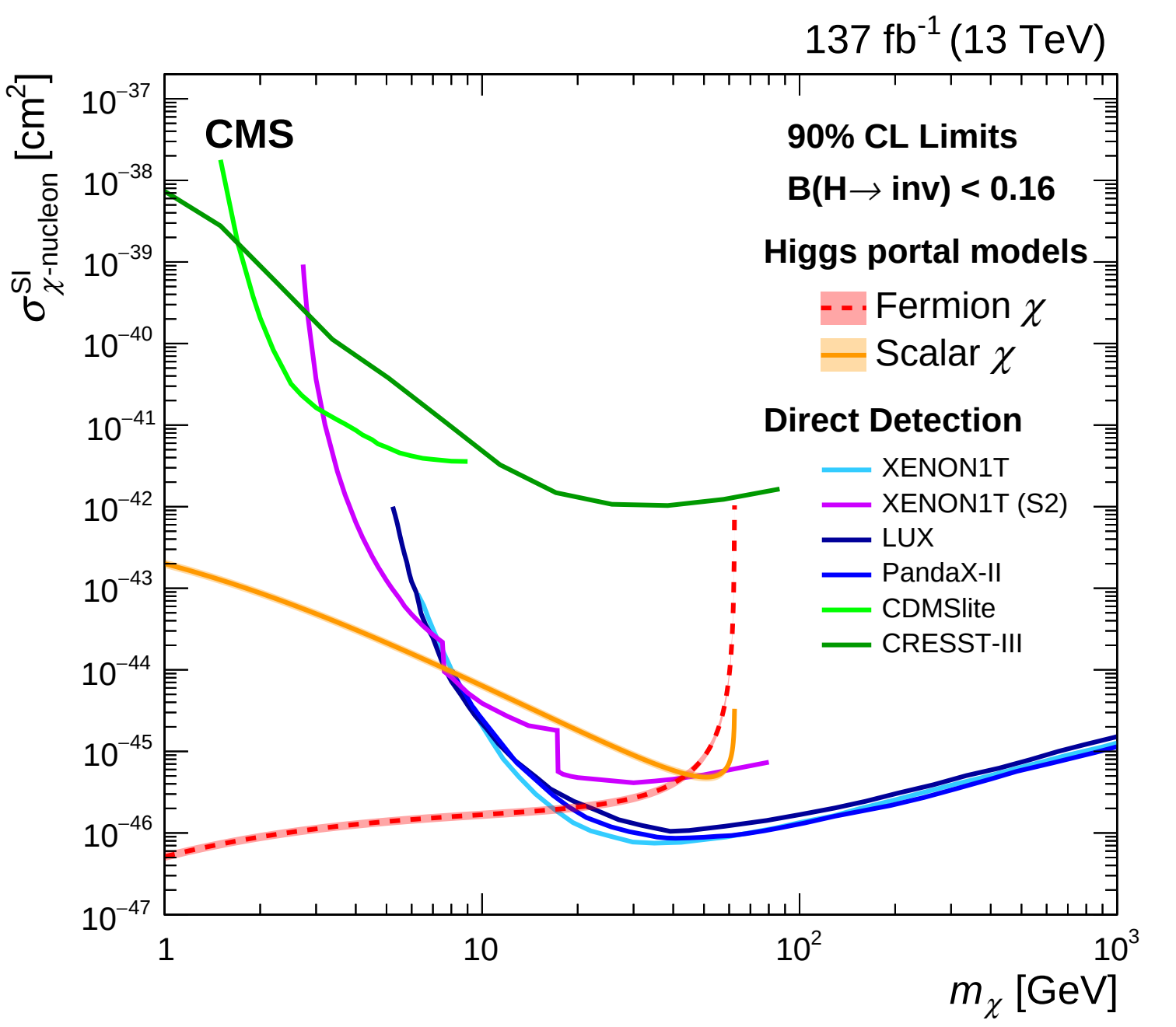
137 fb^{-1} (13 TeV)
CMS
90% CL Limits
B(H→ inv) < 0.16
Higgs portal models
Fermion χ
Scalar χ
Direct Detection
XENON1T
XENON1T (S2)
LUX
PandaX-II
CDMSlite
CRESST-III
$\sigma^{SI}_{\chi\text{-nucleon}}$ [cm^2]
m_χ [GeV]
10^{-37}
10^{-38}
10^{-39}
10^{-40}
10^{-41}
10^{-42}
10^{-43}
10^{-44}
10^{-45}
10^{-46}
10^{-47}
1
10
10^2
10^3