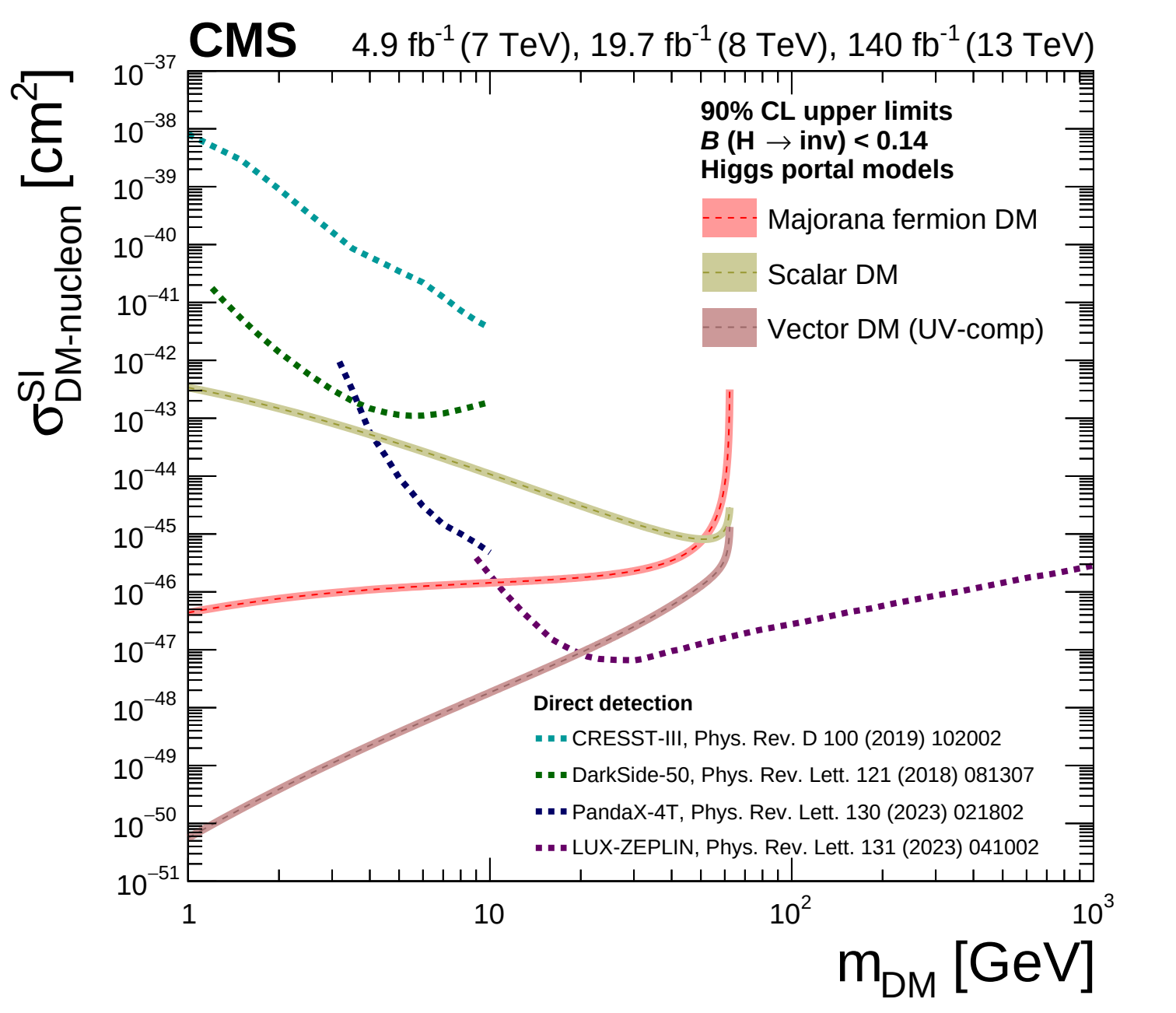
CMS
4.9 fb^{-1} (7 TeV), 19.7 fb^{-1} (8 TeV), 140 fb^{-1} (13 TeV)
90% CL upper limits
B (H $\rightarrow$ inv) < 0.14
Higgs portal models
Majorana fermion DM
Scalar DM
Vector DM (UV-comp)
Direct detection
CRESST-III, Phys. Rev. D 100 (2019) 102002
DarkSide-50, Phys. Rev. Lett. 121 (2018) 081307
PandaX-4T, Phys. Rev. Lett. 130 (2023) 021802
LUX-ZEPLIN, Phys. Rev. Lett. 131 (2023) 041002
$\sigma^{SI}_{DM\text{-}nucleon}$ [cm^2]
m_{DM} [GeV]