Renormalizable Portals:
(SM SINGLET) X (DS SINGLET)

DARK SECTOR (DS)

$\overline{L}\widetilde{H}N$

Neutrino portal

Heavy neutrinos

$\frac{M_N}{2}\overline{N^c}N$

Neutrino masses?

$B_{\mu\nu}X^{\mu\nu}$

Vector portal

Dark photons

$G_{SM} \times U(1)_X$

New fundamental forces?

$S^\dagger S\,(H^\dagger H)$

Scalar portal

Dark scalars

$V(H,S)$

Scalar degrees of freedom

$\mathscr{L}_{\mathrm{SM}}$

Dim-5 axion "portal"
special, see other talks $\frac{a}{\Lambda}G_{\mu\nu}\tilde{G}_{\mu\nu}$