

Signal model	Model parameters
Vector portal	$m_{\tilde{\omega}}$: mass of the dark vector meson (ranges from 2 GeV to 20 GeV) $c\tau$: Mean proper lifetime of the dark vector meson (ranges from 0.1 mm to 500 mm)
Scenario A/B1	m_{π_3} : mass of the dark pion π_3 (ranges from 1 GeV to 4 GeV) $m_{A'}$: mass of the dark photon (ranges from 0.33 GeV to 1.33 GeV) $c\tau$: Mean proper lifetime of the dark photon (Scenario A) or the dark pion π_3 (Scenario B1) (ranges from 0.1 mm to 100 mm)