

$(m_{\chi_1} - m_{\chi_0}) [\text{GeV}]$

500

100

50

10

200

500

1000

2000

$m_{\chi_0} [\text{GeV}]$

$$\Omega_{\chi_0} = 0.12$$

$$m_{S_1} = 1.5 \text{ TeV}, \lambda_L^{3,3} = \lambda_R^{2,3} = 1$$

WIMP region

mono/  
multi-jet

$$y_{\text{DM}} = 3$$

$$y_{\text{DM}} = 1$$

$$y_{\text{DM}} = 0.3$$

$$y_{\text{DM}} = 3 \times 10^{-4}$$

$$y_{\text{DM}} = 10^{-3}$$

$$y_{\text{DM}} = 3 \times 10^{-3}$$

$$y_{\text{DM}} = 10^{-2}$$

CDFO region

