

Hybrid basis:

$$m_h = 125.00 \text{ GeV}/c^2$$

$$m_A = 400.00 \text{ GeV}/c^2$$

$$m_H = 500.00 \text{ GeV}/c^2$$

$$m_{H^{\pm}} = 500.00 \text{ GeV}/c^2$$

$$\tan\beta = -2.00$$

2HDM Type-II parameter space $\Delta\chi^2$ distribution

