CMS Phase-2

Simulation Preliminary

\( p p \to HH \to \gamma \gamma b \bar{b} \)

HP, \( M_X < 350 \) GeV

Events/(1.6 GeV)

0

20

40

60

80

100

120

140

160

180

50

70

90

110

130

150

170

190

210

230

250

270

300

350

400

450

500

550

600

650

700

750

800

850

900

950

1000

1050

1100

1150

1200

1250

1300

1350

1400

1450

m_{\gamma\gamma} [GeV]