

CMS $138 \text{ fb}^{-1} (13 \text{ TeV})$

Events / 2 GeV

 $\chi_{375}^{(2)} \rightarrow \text{HH} \rightarrow \gamma\gamma\tau\tau$

Cat 5

● Data

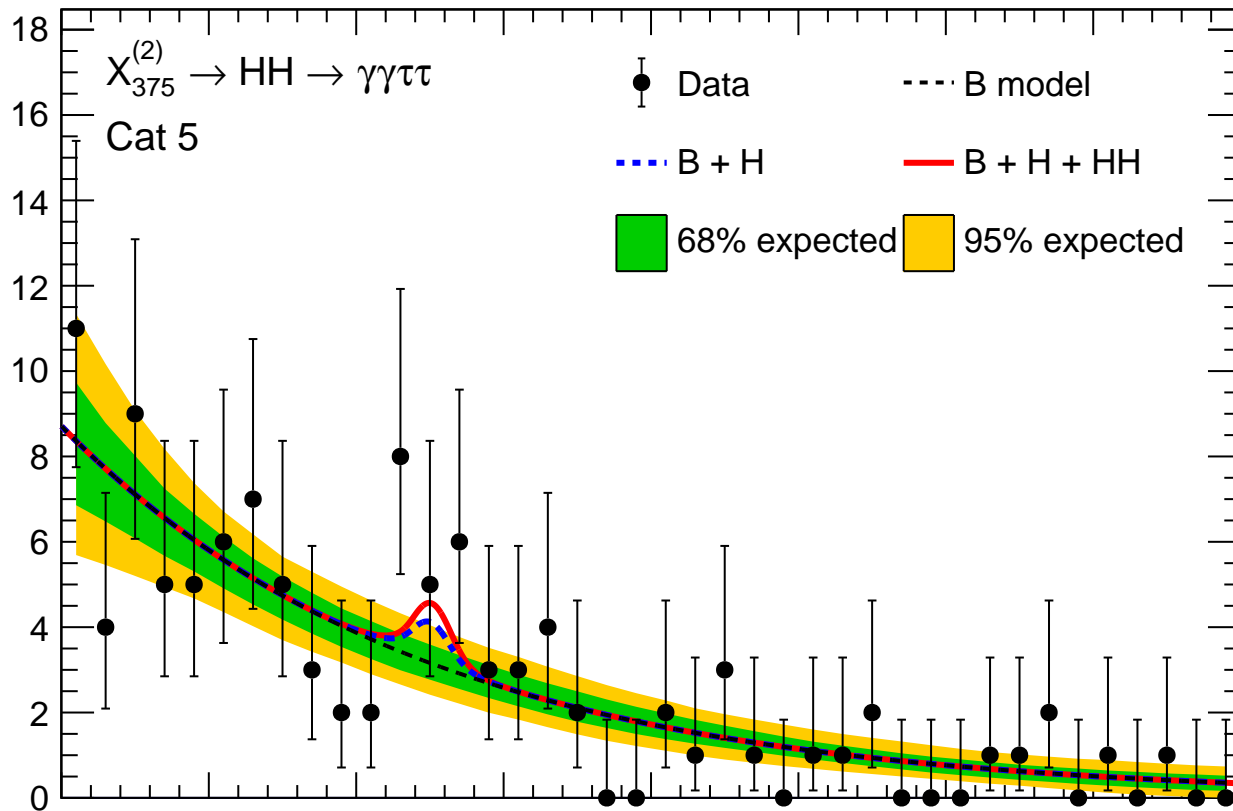
--- B model

--- B + H

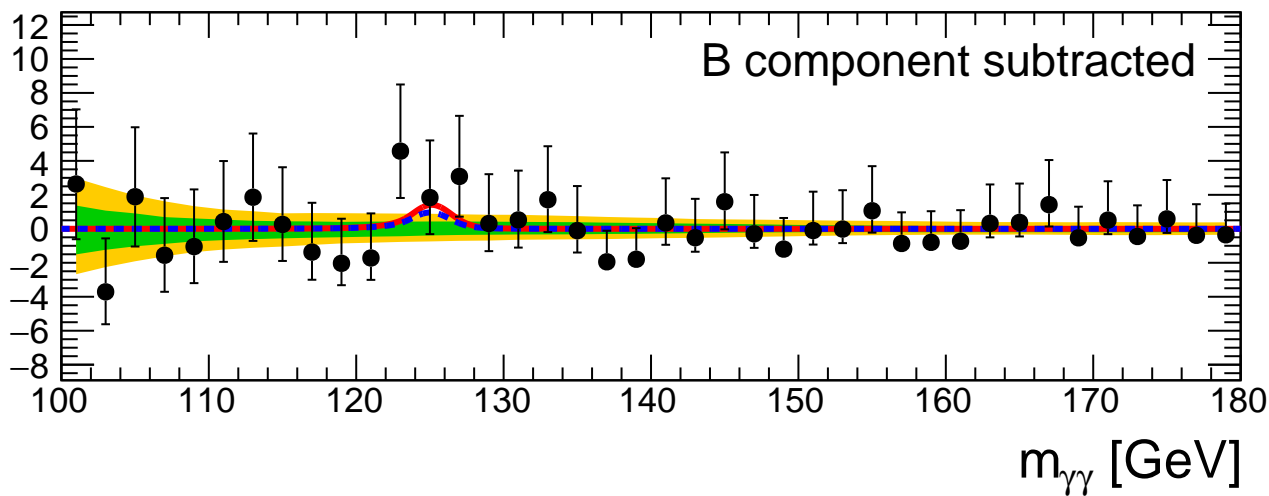
— B + H + HH

■ 68% expected

■ 95% expected



B component subtracted

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