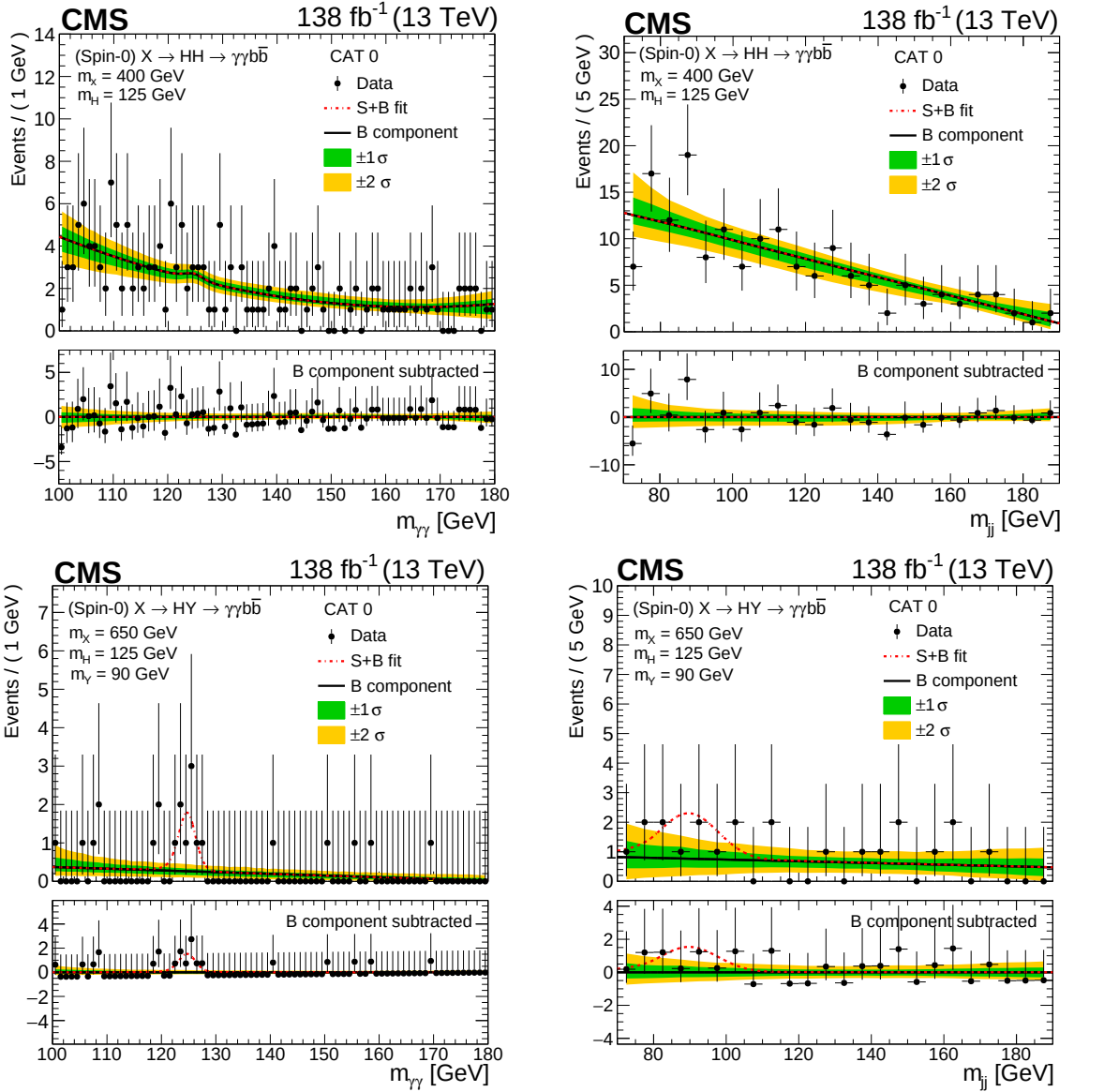
CMS
138 fb^{-1} (13 TeV)
(Spin-0) X → HH → γγb$\bar{b}$
m_X = 400 GeV
m_H = 125 GeV
CAT 0
Data
S+B fit
B component
±1 σ
±2 σ
Events / (1 GeV)
B component subtracted
$m_{\gamma\gamma}$ [GeV]
CMS
138 fb^{-1} (13 TeV)
(Spin-0) X → HH → γγb$\bar{b}$
m_X = 400 GeV
m_H = 125 GeV
CAT 0
Data
S+B fit
B component
±1 σ
±2 σ
Events / (5 GeV)
B component subtracted
m_{jj} [GeV]
CMS
138 fb^{-1} (13 TeV)
(Spin-0) X → HY → γγb$\bar{b}$
m_X = 650 GeV
m_H = 125 GeV
m_Y = 90 GeV
CAT 0
Data
S+B fit
B component
±1 σ
±2 σ
Events / (1 GeV)
B component subtracted
$m_{\gamma\gamma}$ [GeV]
CMS
138 fb^{-1} (13 TeV)
(Spin-0) X → HY → γγb$\bar{b}$
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Data
S+B fit
B component
±1 σ
±2 σ
Events / (5 GeV)
B component subtracted
m_{jj} [GeV]