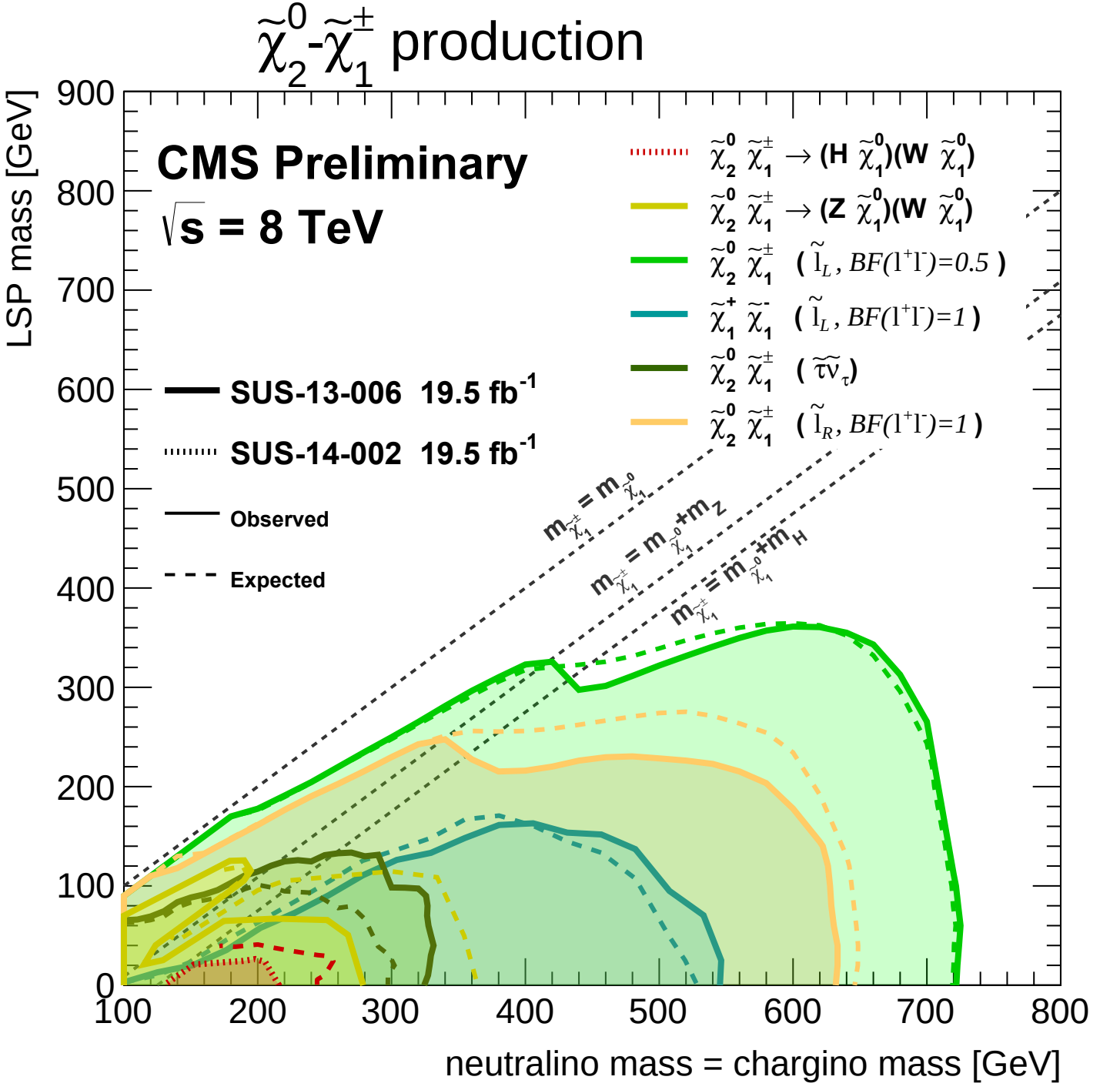
$\tilde{\chi}_2^0$-$\tilde{\chi}_1^\pm$ production
CMS Preliminary
$\sqrt{s}$ = 8 TeV
SUS-13-006 19.5 fb^{-1}
SUS-14-002 19.5 fb^{-1}
Observed
Expected
$\tilde{\chi}_2^0\,\tilde{\chi}_1^\pm \rightarrow$ (H $\tilde{\chi}_1^0$)(W $\tilde{\chi}_1^0$)
$\tilde{\chi}_2^0\,\tilde{\chi}_1^\pm \rightarrow$ (Z $\tilde{\chi}_1^0$)(W $\tilde{\chi}_1^0$)
$\tilde{\chi}_2^0\,\tilde{\chi}_1^\pm$ ($\tilde{l}_L$, $BF(l^+l^-)=0.5$)
$\tilde{\chi}_1^+\,\tilde{\chi}_1^-$ ($\tilde{l}_L$, $BF(l^+l^-)=1$)
$\tilde{\chi}_2^0\,\tilde{\chi}_1^\pm$ ($\tilde{\tau}\tilde{\nu}_\tau$)
$\tilde{\chi}_2^0\,\tilde{\chi}_1^\pm$ ($\tilde{l}_R$, $BF(l^+l^-)=1$)
$m_{\tilde{\chi}_1^\pm} = m_{\tilde{\chi}_1^0}$
$m_{\tilde{\chi}_1^\pm} = m_{\tilde{\chi}_1^0} + m_Z$
$m_{\tilde{\chi}_1^\pm} = m_{\tilde{\chi}_1^0} + m_H$
LSP mass [GeV]
neutralino mass = chargino mass [GeV]
0
100
200
300
400
500
600
700
800
900