

Background Rate

SM $HH \rightarrow b\bar{b} W^+W^- \rightarrow b\bar{b} l^+\nu l^-\bar{\nu}$ vs SM $t\bar{t} \rightarrow bW^+ \bar{b}W^- \rightarrow b l^+\nu \bar{b} l^-\bar{\nu}$

- MC truth
- E_b smearing
- ρ smearing
- $E_b + \rho$ smearing

1
 10^{-1}
 10^{-2}
 10^{-3}

Ratio

0.2
0
-0.2

0.5

1

Signal Efficiency

