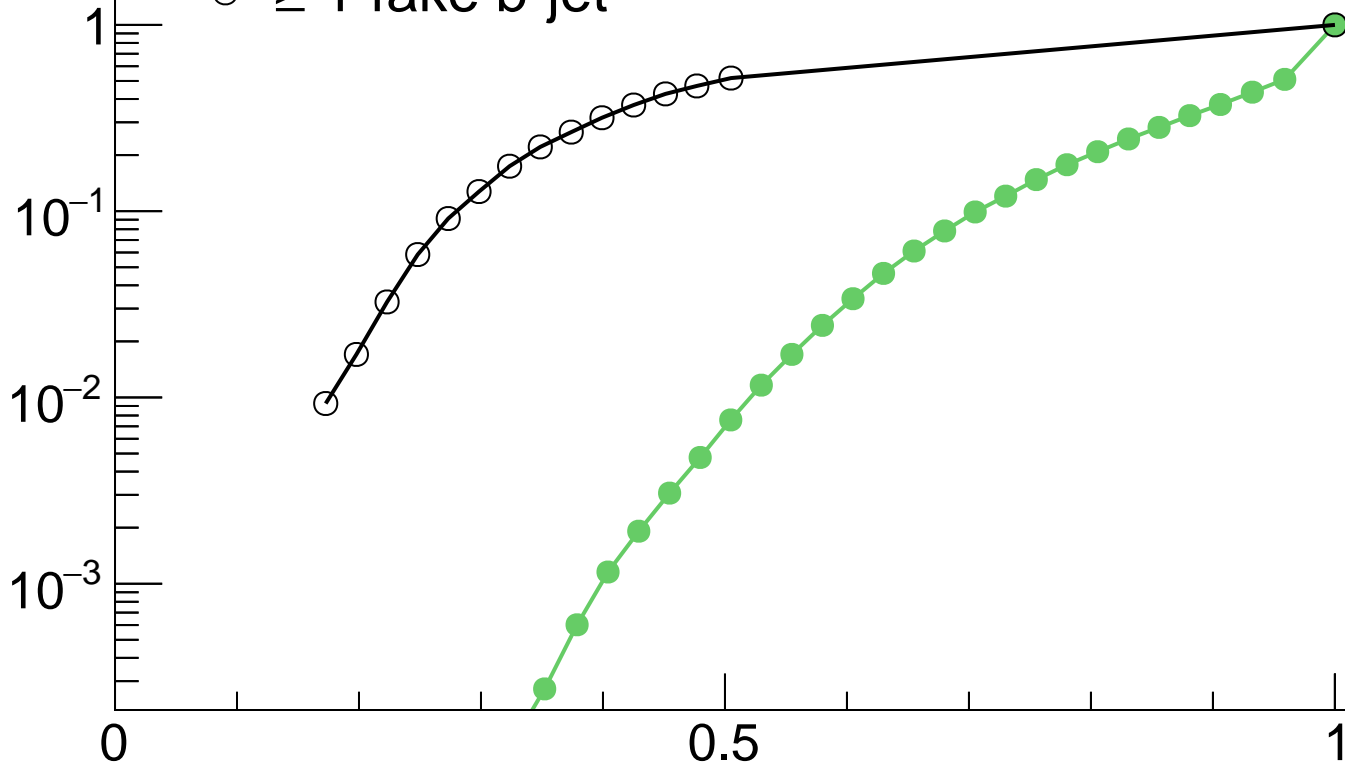


Background Rate

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

● 2 genuine b-jets

○ ≥ 1 fake b-jet



Signal Efficiency