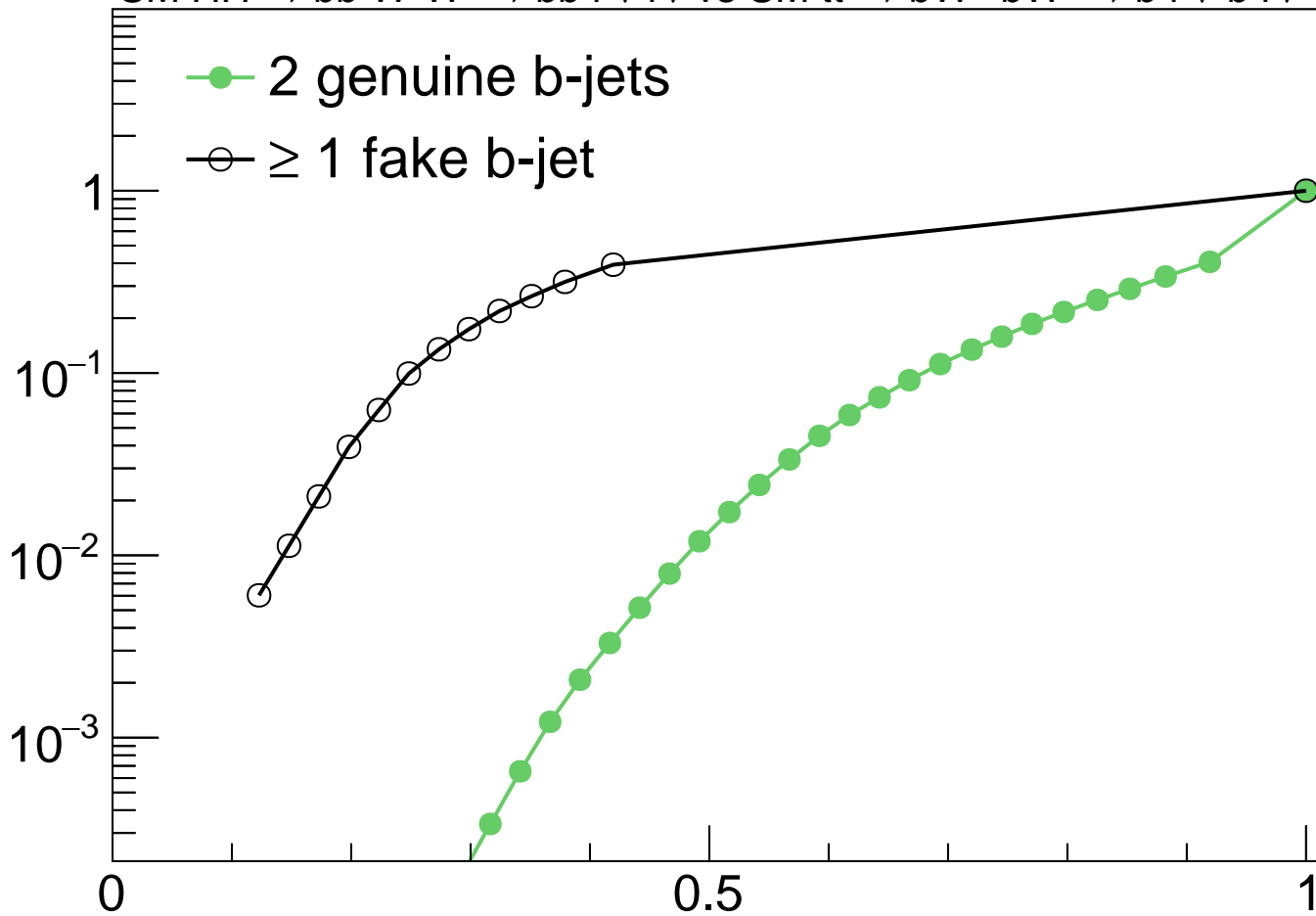


Background Rate

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

● 2 genuine b-jets

○  $\geq 1$  fake b-jet



Signal Efficiency