



- $\text{mumu} \rightarrow \text{ttmumu}$ (emicut 5)
- - - $\text{mumu} \rightarrow \text{ttmumu}$ ($\eta_{\text{mup}} < 0.5$ & emicut = 5)
- - - $\text{mumu} \rightarrow \text{ttmumu}$ ($\eta_{\text{mup}} < 0.5$)
- . - $\text{mumu} \rightarrow \text{ttmumu}$ ($\eta_{\text{mup}} < 0.5$ & $\eta_{\text{muM}} < 5$)
- $\text{mumu} \rightarrow \text{ttmumu}$ ($\eta_{\text{mup}} < 0.5$ & emicut = 5). SDE1
- - - $\text{mumu} \rightarrow \text{ttmumu}$ ($\eta_{\text{mup}} < 0.5$ & emicut = 5). HS2
- - - $\text{mumu} \rightarrow \text{ttmumu}$ ($\eta_{\text{mup}} < 0.5$ & emicut = 5). HS3
- - - $\text{mumu} \rightarrow \text{ttmumu}$ ($\eta_{\text{mup}} < 0.5$). HS3
- $\text{mumu} \rightarrow \text{ttmumu}$ ($\eta_{\text{mup}} < 0.5$). SDE1