



- $\text{mumu} \rightarrow \text{ttmumu}$  (emicut 5)
- - -  $\text{mumu} \rightarrow \text{ttmumu}$  ( $\eta_{\text{mup}} < 0.5 \ \&\& \ \text{emicut} = 5$ )
- - -  $\text{mumu} \rightarrow \text{ttmumu}$  ( $\eta_{\text{mup}} < 0.5$ )
- - -  $\text{mumu} \rightarrow \text{ttmumu}$  ( $\eta_{\text{mup}} < 0.5 \ \&\& \ \text{emicut} = 5$ ). HS2
- $\text{mumu} \rightarrow \text{ttmumu}$  ( $\eta_{\text{mup}} < 0.5 \ \&\& \ \text{emicut} = 5$ ). HS3
- - -  $\text{mumu} \rightarrow \text{ttmumu}$  ( $\eta_{\text{mup}} < 0.5 \ \&\& \ \text{emicut} = 5$ ). HS5
- - -  $\text{mumu} \rightarrow \text{ttmumu}$  ( $\eta_{\text{mup}} < 0.5 \ \&\& \ \text{emicut} = 5$ ). HS7
- - -  $\text{mumu} \rightarrow \text{ttmumu}$  ( $\eta_{\text{mup}} < 0.5 \ \&\& \ \text{emicut} = 5$ ). HS9
- $\text{mumu} \rightarrow \text{ttmumu}$  ( $\eta_{\text{mup}} < 0.5 \ \&\& \ \text{emicut} = 5$ ). HS10
- - -  $\text{mumu} \rightarrow \text{ttmumu}$  (emicut 5). HS9
- - -  $\text{mumu} \rightarrow \text{ttmumu}$  ( $\eta_{\text{mup}} < 0.5$ ). HS9