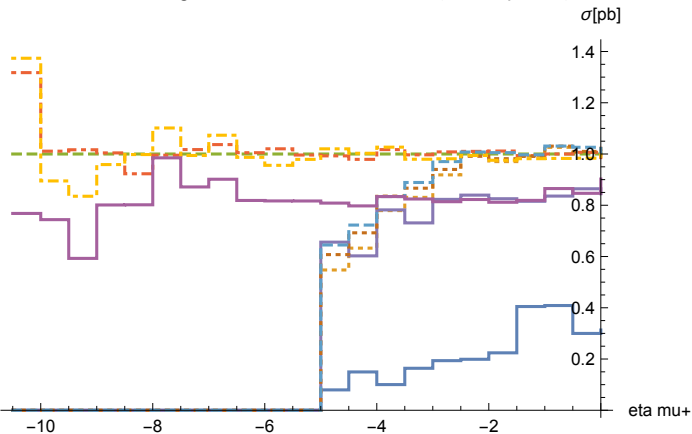


$t\bar{t}$ ratio with green, i.e., $\mu\mu \rightarrow t\bar{t}\mu\mu$ ($\eta_{\mu p} < 0.5$)



- $\mu\mu \rightarrow t\bar{t}\mu\mu$ (emicut 5)
- $\mu\mu \rightarrow t\bar{t}\mu\mu$ ($\eta_{\mu p} < 0.5$ && emicut = 5)
- $\mu\mu \rightarrow t\bar{t}\mu\mu$ ($\eta_{\mu p} < 0.5$)
- $\mu\mu \rightarrow t\bar{t}\mu\mu$ ($\eta_{\mu p} < 0.5$ && $\eta_{\mu M} < 5$)
- $\mu\mu \rightarrow t\bar{t}\mu\mu$ ($\eta_{\mu p} < 0.5$ && emicut = 5). SDE1
- $\mu\mu \rightarrow t\bar{t}\mu\mu$ ($\eta_{\mu p} < 0.5$ && emicut = 5). HS2
- $\mu\mu \rightarrow t\bar{t}\mu\mu$ ($\eta_{\mu p} < 0.5$ && emicut = 5). HS3
- $\mu\mu \rightarrow t\bar{t}\mu\mu$ ($\eta_{\mu p} < 0.5$). HS3
- $\mu\mu \rightarrow t\bar{t}\mu\mu$ ($\eta_{\mu p} < 0.5$). SDE1