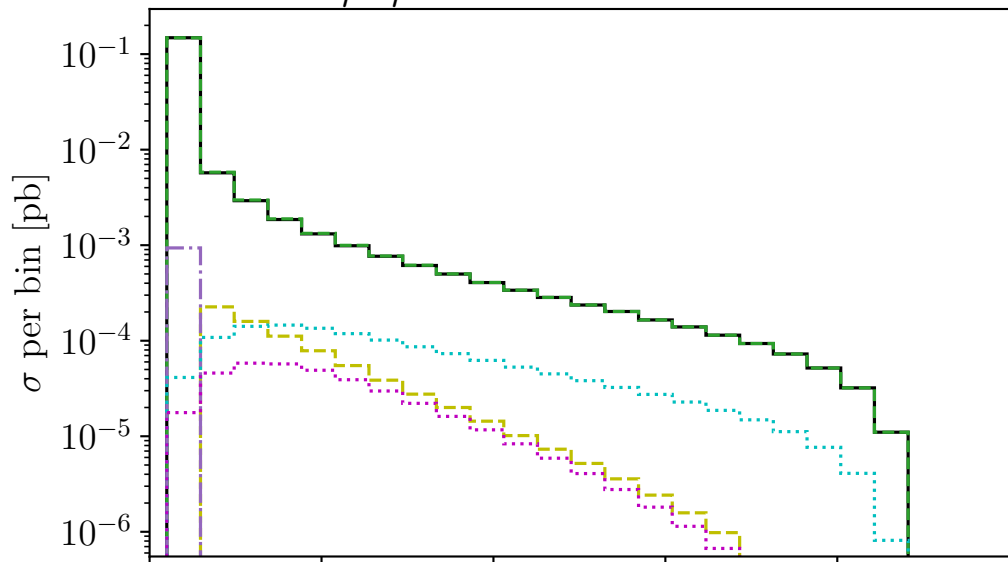
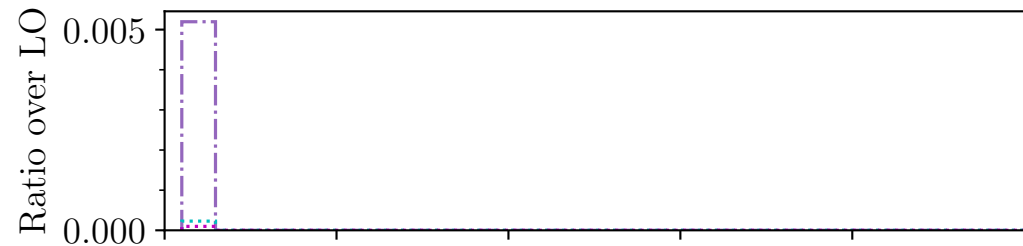


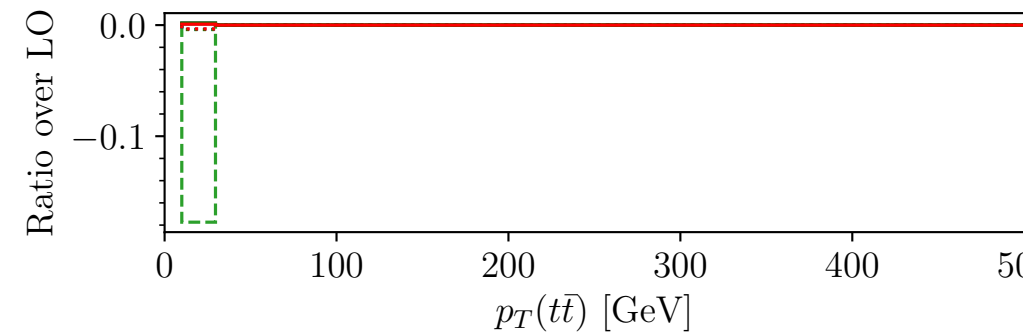
$\mu^+\mu^- \rightarrow t\bar{t}$  at 1 TeV



- LO + NLO + NNLO $_{\text{coll}}^{\gamma\gamma}$
- - - LO + NLO
- - - NLO $_{\text{coll}}^{\gamma\gamma}$
- - - LO $^{\gamma\gamma}$
- ...  $\mu^+\mu^- \rightarrow t\bar{t}\nu_x\bar{\nu}_x$
- ...  $\mu^+\mu^- \rightarrow t\bar{t}\nu_\mu\bar{\nu}_\mu, m(\nu_\mu\bar{\nu}_\mu) > 200$



- - - LO $^{\gamma\gamma}$
- ...  $\mu^+\mu^- \rightarrow t\bar{t}\nu_x\bar{\nu}_x$
- ...  $\mu^+\mu^- \rightarrow t\bar{t}\nu_\mu\bar{\nu}_\mu, m(\nu_\mu\bar{\nu}_\mu) > 200$



- - - NLO
- ... NLO $_{\text{coll}}^{\gamma\gamma}, m(\mu^+\mu^-) > 200$
- ... NLO $_{\text{coll}}^{\gamma\gamma}, \mp\eta(\mu^\pm) < 2.5$
- ... NLO $_{\text{coll}}^{\gamma\gamma}, \mp\eta(\mu^\pm) < 5$
- NNLO $_{\text{coll}}^{\gamma\gamma} \times 2$
- NNLO $_{\text{coll}}^{\gamma\gamma}, \mp\eta(\mu^\pm) < 2.5 \times 2$
- NNLO $_{\text{coll}}^{\gamma\gamma}, \mp\eta(\mu^\pm) < 5 \times 2$