

$t\bar{t}$ (nocut and $m_{ll} > 200$)

$\sigma[\text{pb}]$



- $\text{mumu} \rightarrow \text{ttmumu}$
- $\text{mumu} \rightarrow \text{ttmumu}$ Only QED
- $\text{mumu} \rightarrow \text{ttmumu}$ No QED
- $\text{mumu} \rightarrow \text{ttmumu}$ $m_{ll} > 200$
- $\text{mumu} \rightarrow \text{ttmumu}$ Only QED $m_{ll} > 200$
- $\text{mumu} \rightarrow \text{ttmumu}$ No QED $m_{ll} > 200$
- $\text{mue} \rightarrow \text{ttmue}$ No QED (no m_{ll} cut)