

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

$\sigma[\text{pb}]$



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