

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

$\sigma[\text{pb}]$



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