

$\tau_h + \text{jet, btag, medium BDT}$   $138 \text{ fb}^{-1}$  (13 TeV)

Events / bin

**CMS**

Supplementary

Observed

$W + \text{jets}$

Diboson

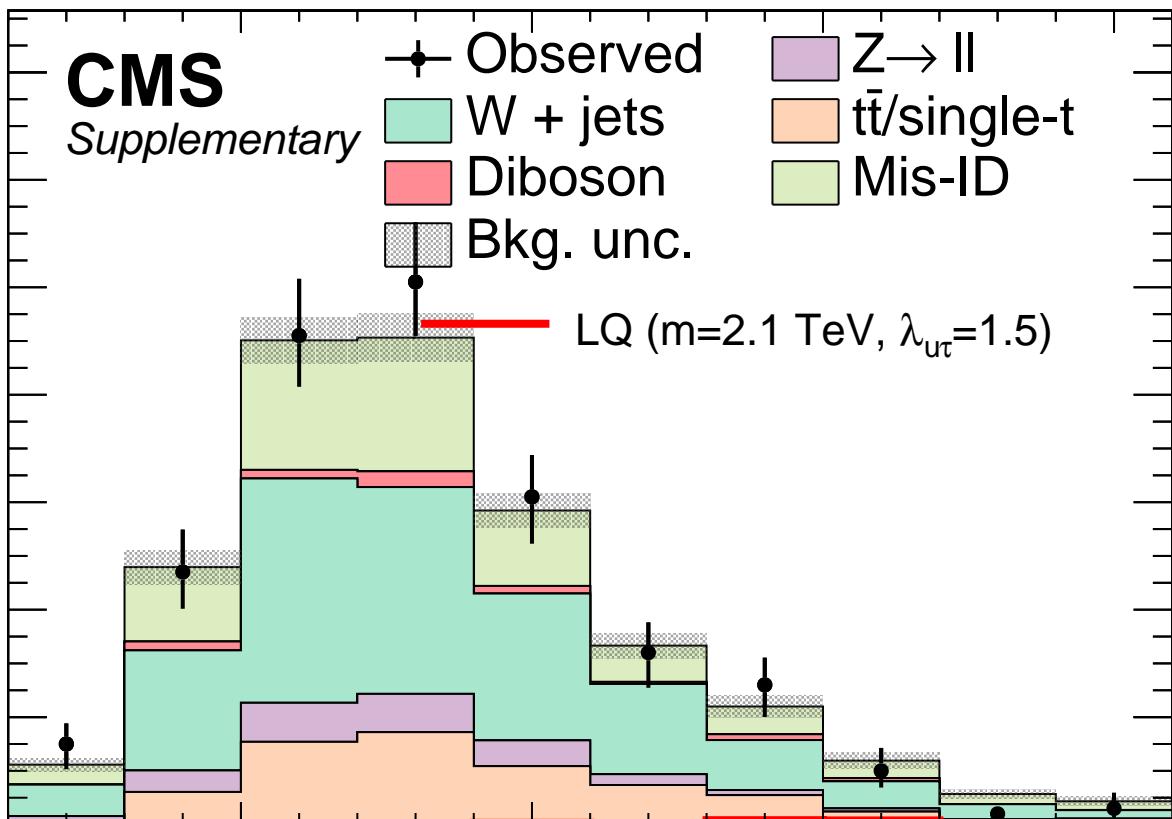
Bkg. unc.

$Z \rightarrow ll$

$t\bar{t}/\text{single-}t$

Mis-ID

LQ ( $m=2.1 \text{ TeV}$ ,  $\lambda_{u\tau}=1.5$ )



Obs./Exp.

1.4  
1.2  
1.0  
0.8  
0.6

1000

1500

2000

2500

$m_{\text{coll}}$  (GeV)

1000  
1500  
2000  
2500