

CMS Preliminary $\sqrt{s} = 8 \text{ TeV}$, $L = 20.5 \text{ fb}^{-1}$

Entries

$\mu^+\mu^-$

10^3

10^2

10

1

10^{-1}

ZZ

WZ

WW

TTJets

DiTau

DYJets

WJets

QCD

■ Data

--- $m_H = 1000 \text{ GeV}$

$m_{\tilde{\chi}} = 350 \text{ GeV}$

-.- $m_{\tilde{q}} = 350 \text{ GeV}$

$m_{\tilde{X}_1^0} = 148 \text{ GeV}$

-0.5

0

0.5

1

1.5

2

2.5

3

3.5

4

4.5

Number of hits before vertex