

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

