

(8 TeV)

$\sigma_{\text{JER}}$

**CMS**

*Simulation*

**Anti- $k_{\text{T}}$ ,  $R=0.5$  (PF+CHS)**

**$|\eta| < 1.3$**

- ▲ **gluons**
- ◆ **uds quarks**
- **cb quarks**

**including  $\nu$ 's in particle jet**

30

100

200

1000

$p_{\text{T,ptcl}}$  (GeV)

