

$\times 10^3$  CMS Open Data

11.5 fb<sup>-1</sup> (2012, 8 TeV)

$N_{\text{Events}}$

2500

2000

1500

1000

500

0

2

4

6

8

10

12

14

16

18

20

HQ Number of electrons

Z $\rightarrow$ ll

t $\bar{t}$

lwe $\rightarrow$ Ze (x10000)

W+jets

QCD multijet

Data

