

13000 GeV pp

Z (Drell-Yan)

 $\langle N_{\text{ch}} \rangle$  vs  $p_{\text{T}}^Z$  (ATLAS UE in Z production) $\langle N_{\text{ch}}/dn d\phi \rangle$ 

Ratio to ATLAS

 $Z p_{\text{T}}$  [GeV]