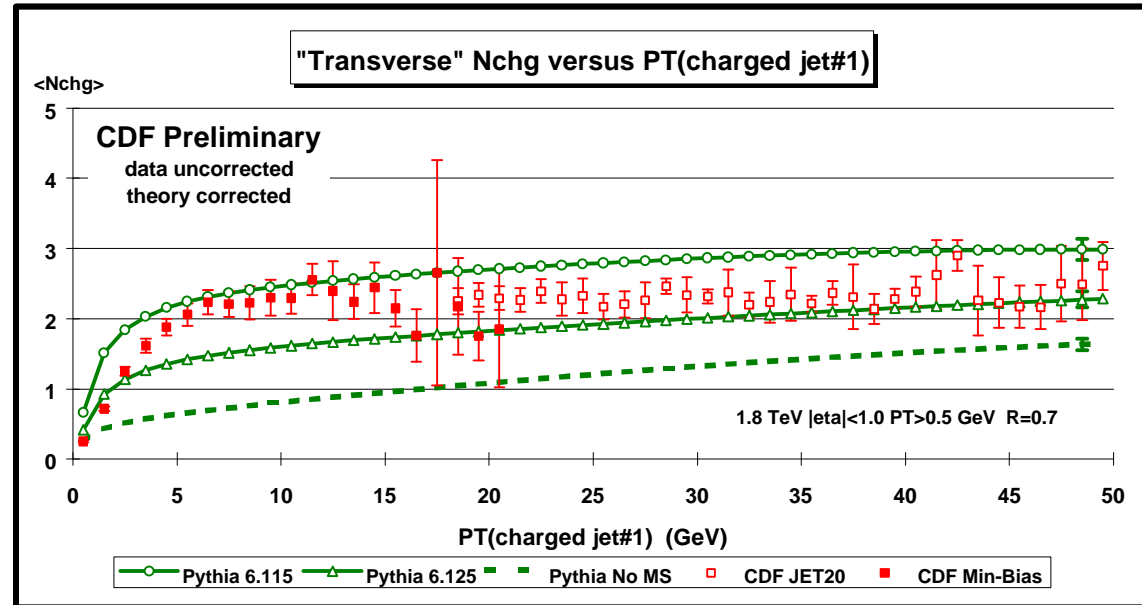
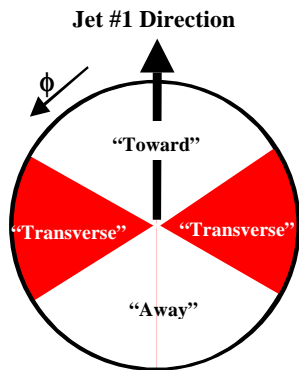


# Min-Bias Physics: Jet Evolution & Event Shapes

**Plot 9: “Transverse”  $\langle N_{chg} \rangle$  vs  $PT(\text{charged jet}\#1)$ :**



Plot shows the average number of transverse ( $60 < |\phi| < 120^\circ$ ) charged particles ( $PT > 0.5$  GeV,  $|\eta| < 1$  including jet#1) as a function of the  $PT$  of the leading charged jet. The errors on the (uncorrected) data include both statistical and correlated systematic uncertainties. The QCD “hard scattering” theory curves (Pythia 6.115, Pythia 6.125, Pythia with no multiple parton scattering) are corrected for the track finding efficiency and have an error (statistical plus systematic) of around 5%.