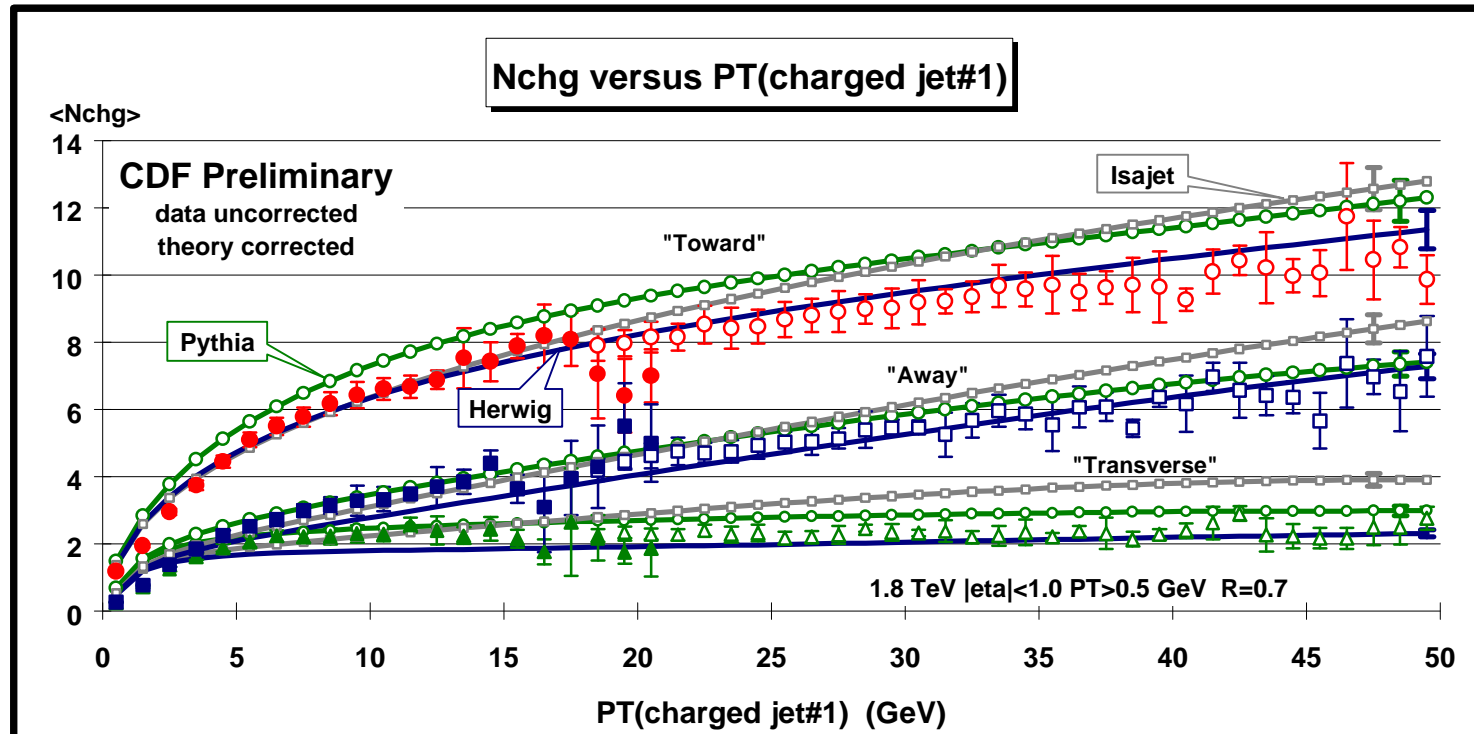


Min-Bias Physics: Jet Evolution & Event Shapes

Plot 6: “Toward”, “Transverse”, “Away” $\langle N_{\text{chg}} \rangle$ vs $PT(\text{charged jet}\#1)$:



Plot shows the average number of toward ($|\phi| < 60^\circ$), transverse ($60 < |\phi| < 120^\circ$), and away ($|\phi| > 120^\circ$) 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 (Herwig 5.9, Isajet 7.32, Pythia 6.115) are corrected for the track finding efficiency and have an error (statistical plus systematic) of around 5%.