Fits to DT superlayers 1 and 3 super-residuals

fit to Δx residuals	fit to φ_y residuals
δx: peak of the distribution, independent of impact	φ_y peak of the distribution
δz: dependence of the peak on dx/dz track angle	slope vs. dy/dz: control for φ_z
φ_z: dependence of the peak on y impact point	
σ, Γ: width of the distribution	σ, Γ: width of the distribution
slope of Δx vs. φ_y: model scattering	

Fits to DT superlayer 2 super-residuals

fit to Δy residuals	fit to φ_x residuals
δy: peak of the distribution, independent of impact	φ_x peak of the distribution
φ_z: dependence of the peak on x impact point	
σ, Γ: width of the distribution	σ, Γ: width of the distribution
slope of Δy vs. φ_x: model scattering	

Fits to CSC super-residuals

fit to $\Delta r\varphi$ residuals	fit to φ_y residuals
$r\delta\varphi$: peak of the distribution, independent of impact	φ_y peak of the distribution
δz: dependence of the peak on $d(r\varphi)/dz$ track angle	
φ_z: dependence of the peak on y impact point	
σ, Γ: width of the distribution	σ, Γ: width of the distribution
slope of Δx vs. φ_y: model scattering	

Accessible parameters

DT	δ_x	δ_y	δ_z	φ_x	φ_y	φ_z (two ways)
CSC	δ_x	inaccessible	δ_z	inaccessible	φ_y	φ_z

Figure 12: The six independent fits needed to align one DT chamber and one CSC.