

CRAFT09 CSC track-based alignment

- ▶ Chamber misalignment is smaller than misalignment of the disks they're mounted on
- ▶ Diagnostic plot for ME+1/1: $r\phi$ residuals (mm) versus ϕ from $-\pi$ to π , with smaller binning than chamber widths
Shades of blue are 2-D histogram, black points are profile, red curve is disk-fit, dashed lines are the chamber boundaries
- ▶ Fit $\delta_x \sin \phi + \delta_y \cos \phi + \delta_{\phi_z}$ for position (δ_x, δ_y) and angle (δ_{ϕ_z})
ME+1/1: $\delta_x = 4.7 \pm 0.1$ mm, $\delta_y = 1.2 \pm 0.1$ mm, $\delta_{\phi_z} = -0.11 \pm 0.04$ mrad

