

# Kinematic fitting procedure

- Start with 5x5 tracking error matrix
- (Tweak tracking errors)
- Convert to  $p_x$ ,  $p_y$ ,  $p_z$
- Kinematic Fit
- Convert back to tracking parameters
- Compute pulls in tracking parameters

# Forward pions

$$tx = px/pz$$

$$ty = py/pz$$

$$q/p$$

