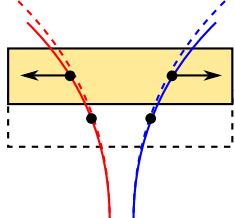
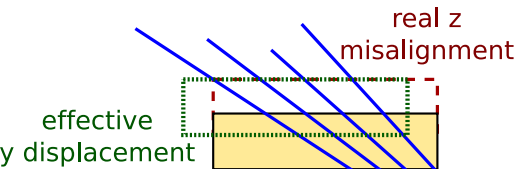


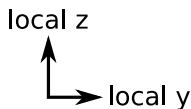
oppositely-charged tracks
contribute to x residuals
with opposite signs: two-bin
method cancels their effect



oppositely-charged tracks
contribute to " z residuals"
with the same sign: two-bin
method does not solve it



Real local z misalignment looks
like an effective local y correction
when tracks are inclined
(everywhere but wheel 0)



tracks

interaction point or tracker