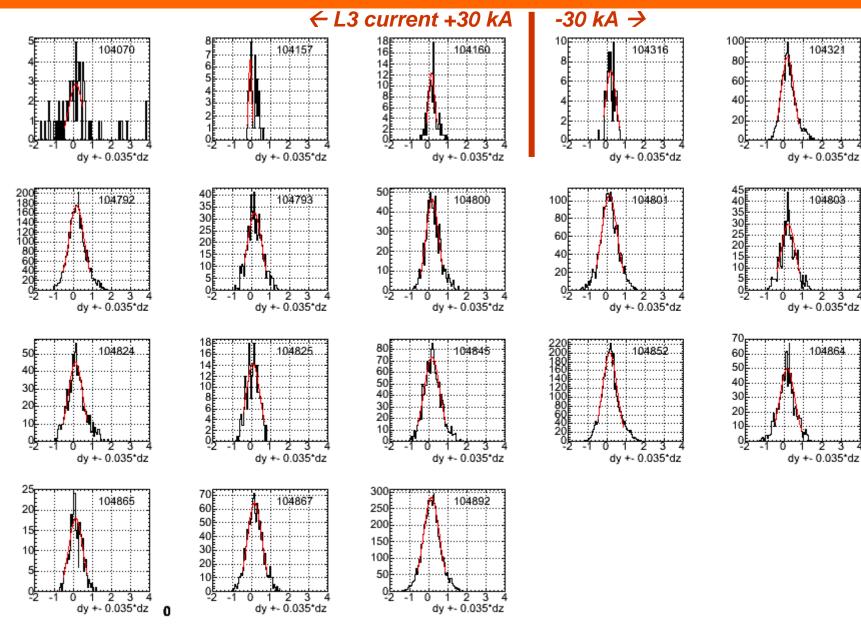
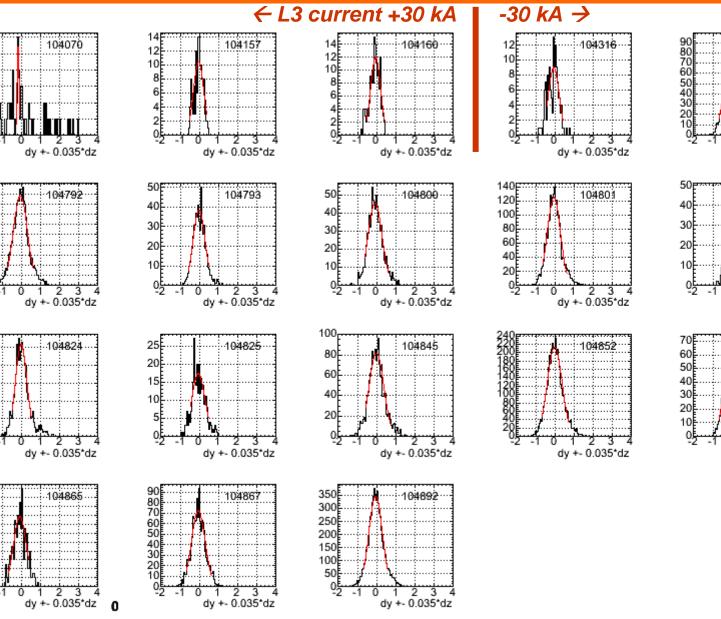
# TRD alignment verification central pass2 reconstruction alignment set v4\_s0

### y-residuals for the 7 sm's,

### corrected for the pad tilt



verification of the TRD alignment in central pass2, misko, 06-01-2010



verification of the TRD alignment in central pass2, misko, 06-01-2010

30Ē

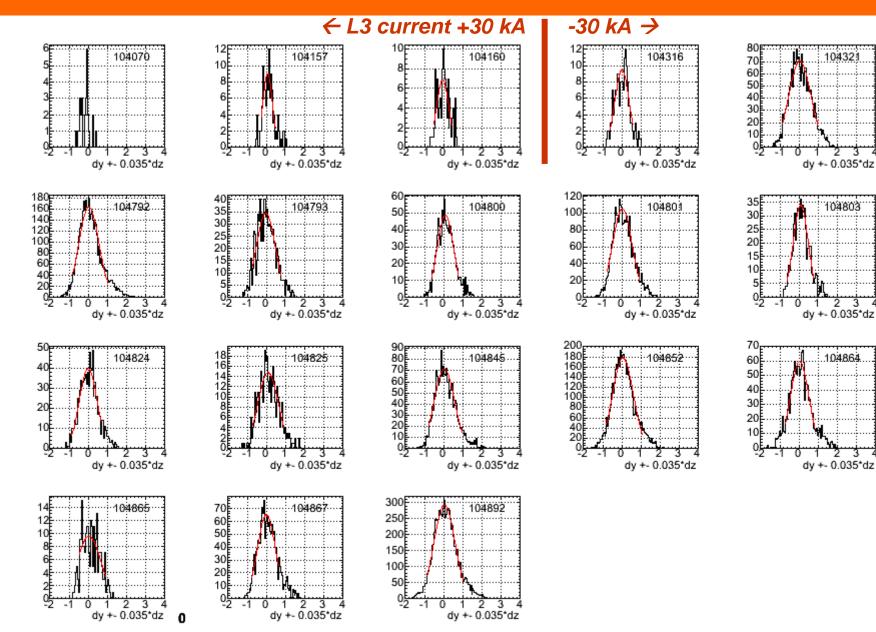
10<del>E</del>

<u>05</u>

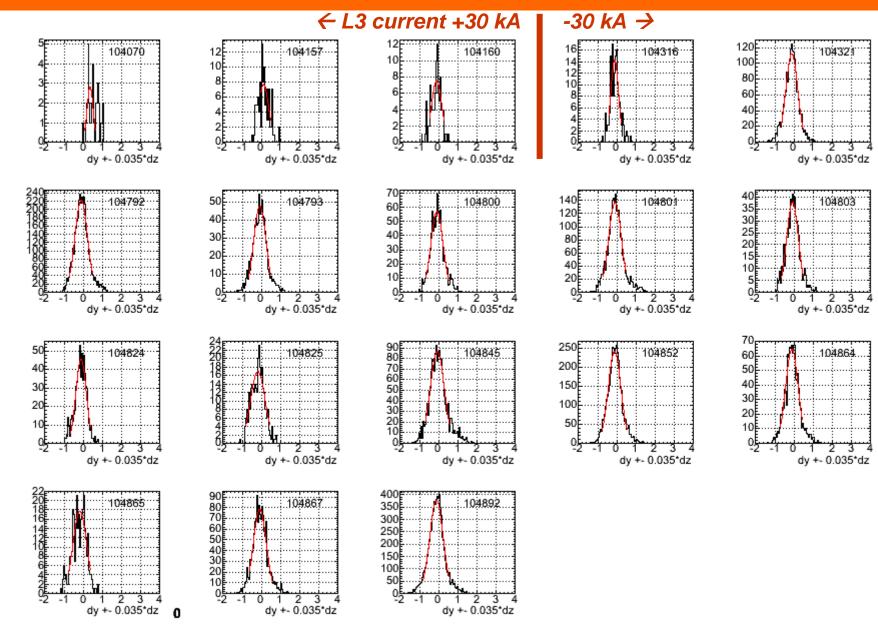
dy +- 0.035\*dz

dy +- 0.035\*dz

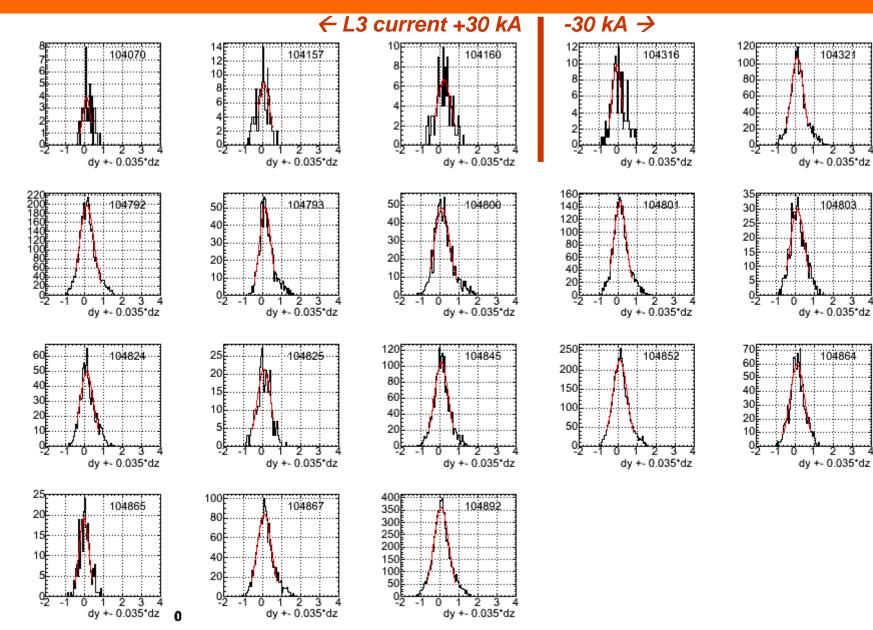
dy +- 0.035\*dz



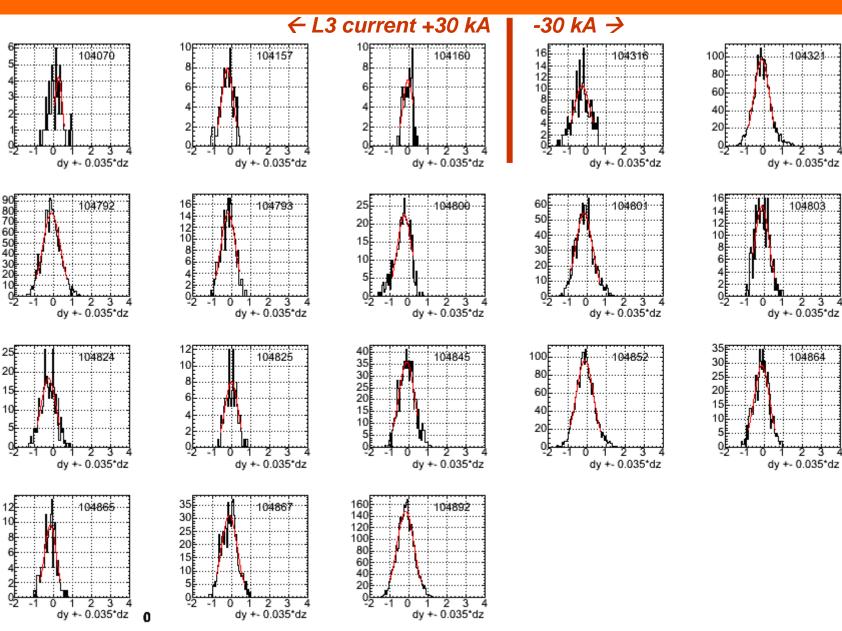
verification of the TRD alignment in central pass2, misko, 06-01-2010



verification of the TRD alignment in central pass2, misko, 06-01-2010



verification of the TRD alignment in central pass2, misko, 06-01-2010

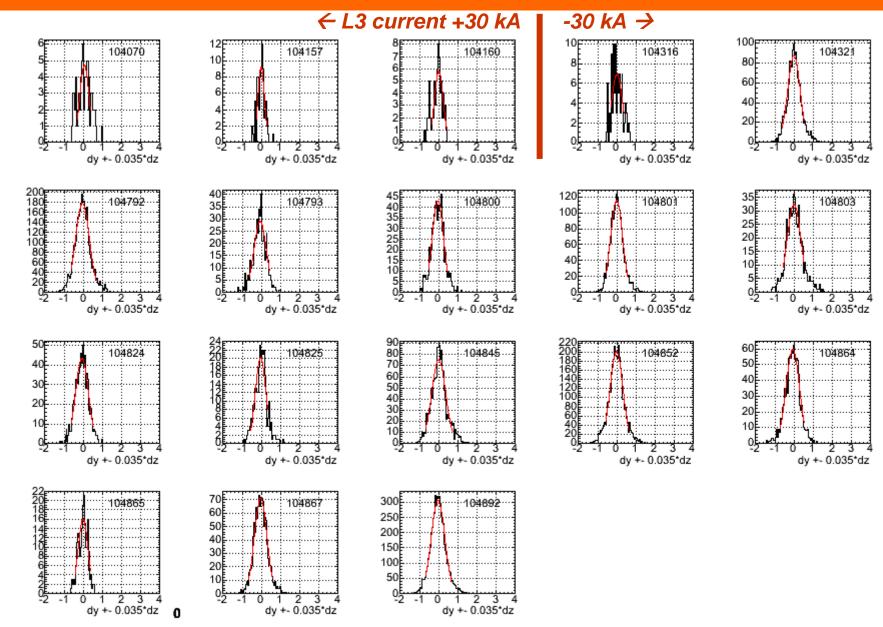


verification of the TRD alignment in central pass2, misko, 06-01-2010

з

2 3

з

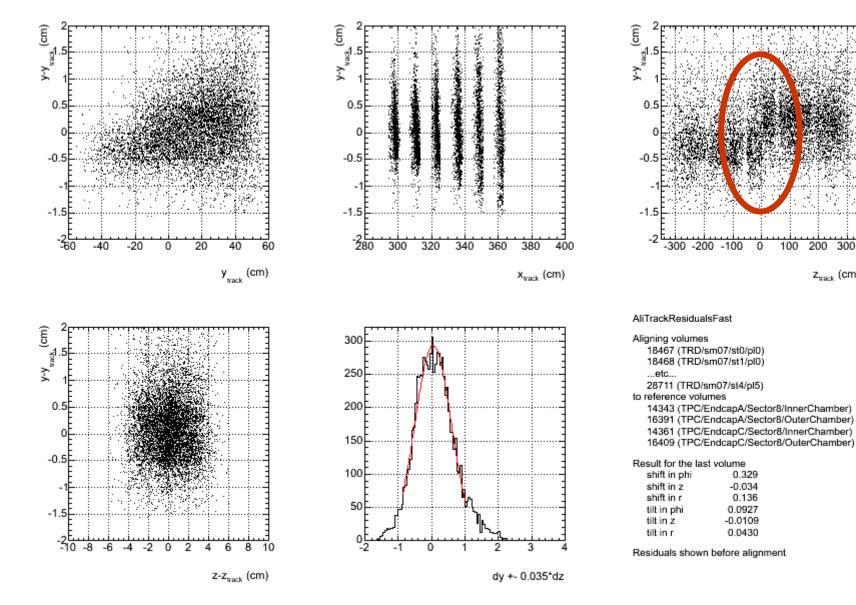


verification of the TRD alignment in central pass2, misko, 06-01-2010

### why are the residuals in sm07

## broader than in sm08?

#### central pass2, run 104892, sm07

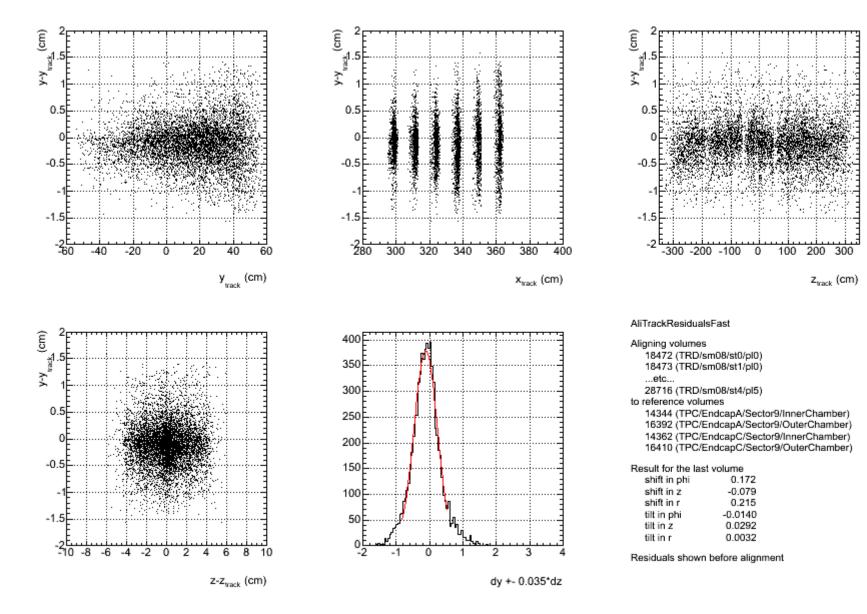


verification of the TRD alignment in central pass2, misko, 06-01-2010

200 300

z<sub>track</sub> (cm)

#### central pass2, run 104892, sm08



verification of the TRD alignment in central pass2, misko, 06-01-2010



- alignment set v4\_s0 worked reasonably well in the central pass2 reconstruction
- no evidence for magnetic field dependence
- the "alignment with respect to the TPC" strategy is at its limits because the TPC is not yet fully calibrated/aligned
- as the next step we may consider concentrating on internal TRD alignment