# TRT Alignment
# wrt
# InDetCosmics_2008_05

# Reminder

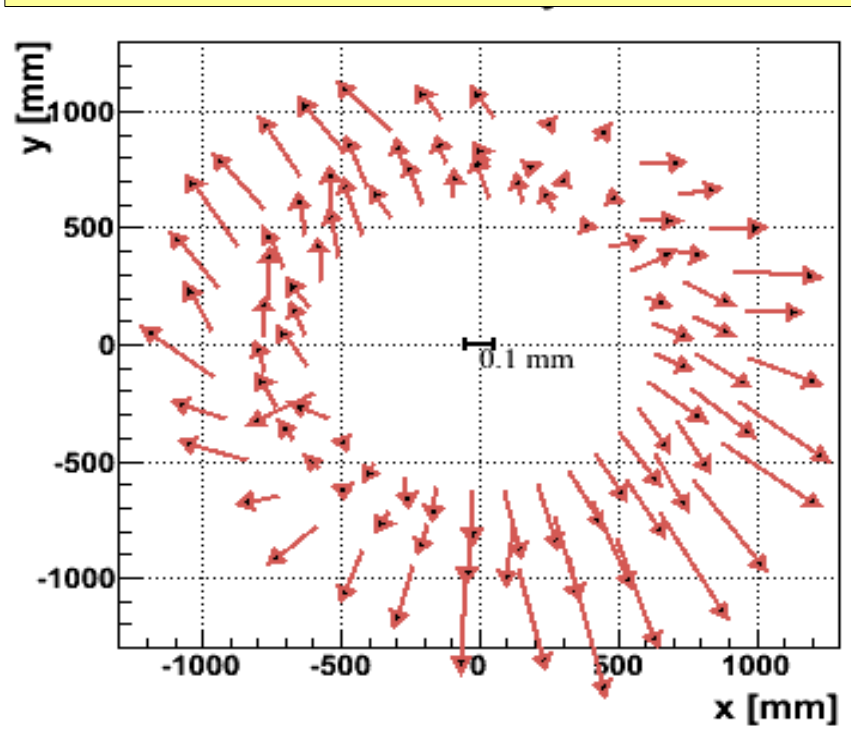
- **InDetCosmics_2008_05** - Si Alignment using only Boff data
- Previous TRT Alignment done wrt **InDetCosmic_2008_03** – mix of Boff and Bon data (used for 1st and 2nd reprocessing)

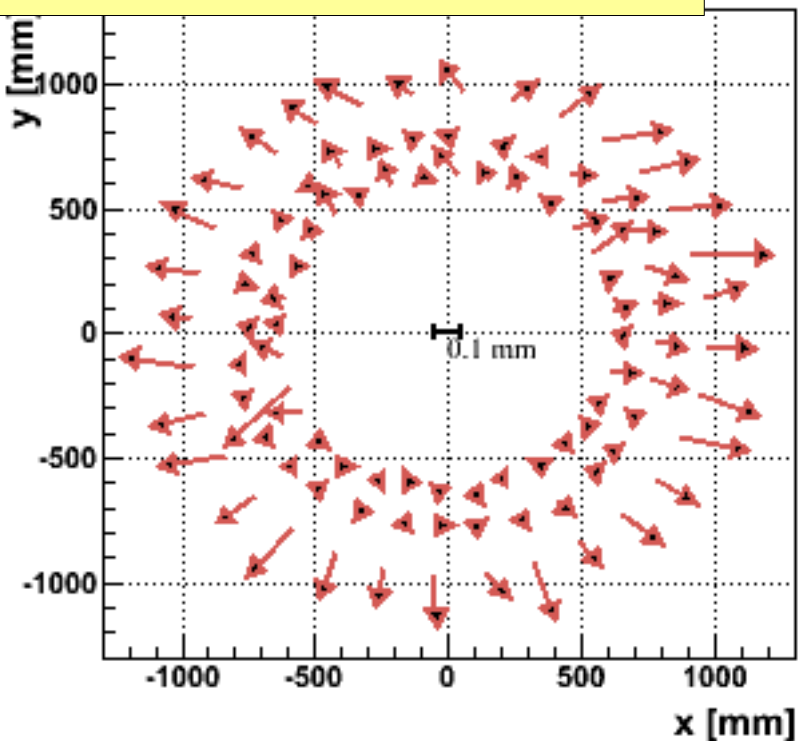
**L1 Alignment:**

Dx = -0.146 mm / Dy = -0.160 mm

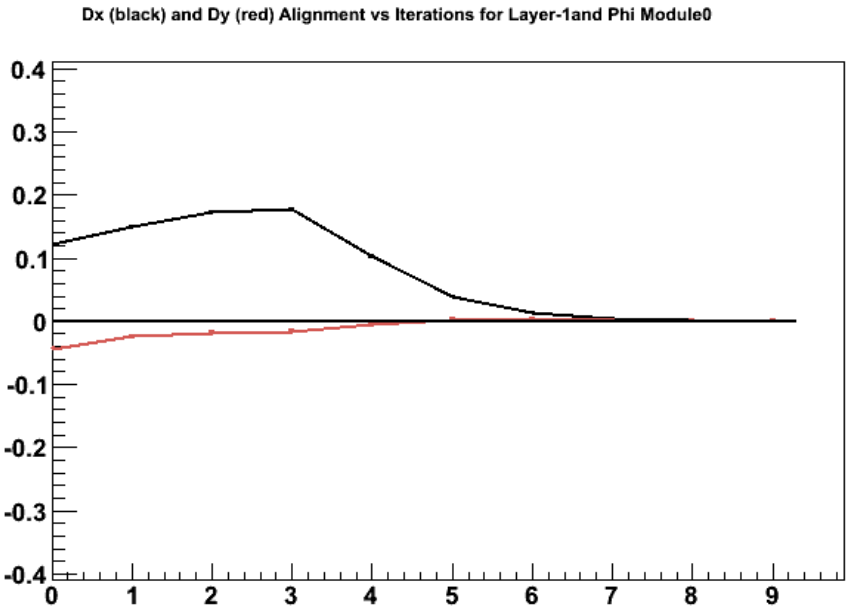
Rotx = -0.300 mrad / Roty = 0.369 mrad / Rotz = 0.285 mrad

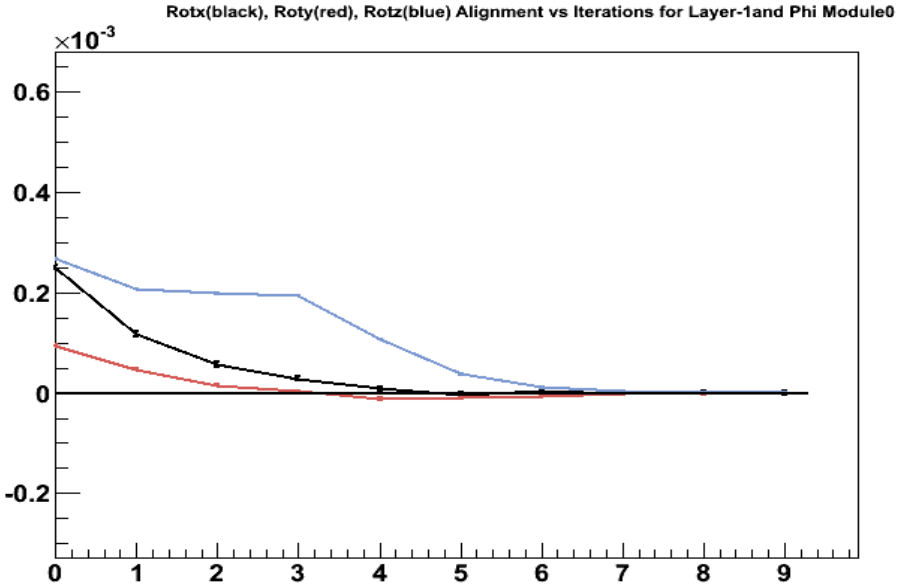
**L2 Alignment:** TRT-Only Both TRT-Only & Si +TRT

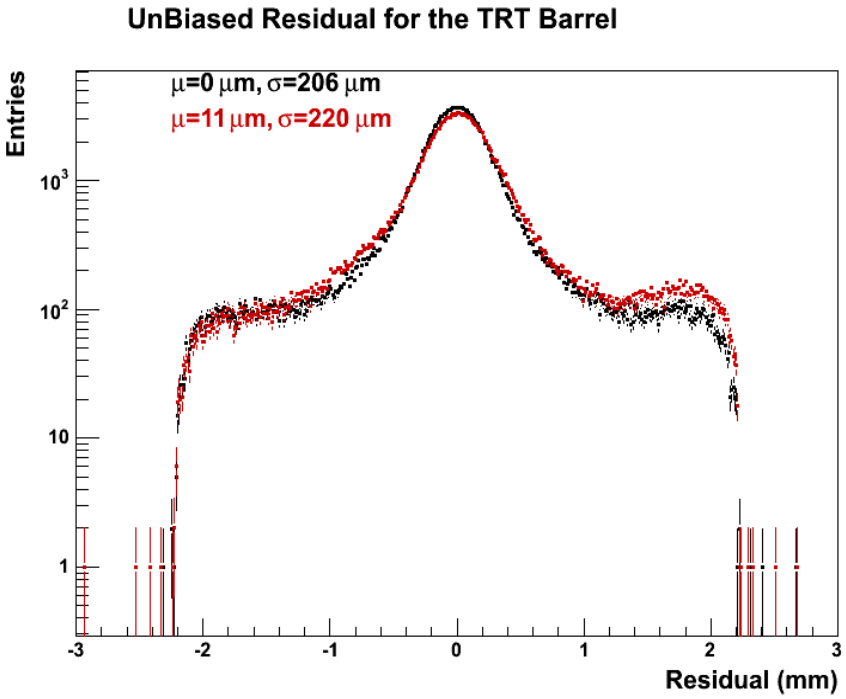


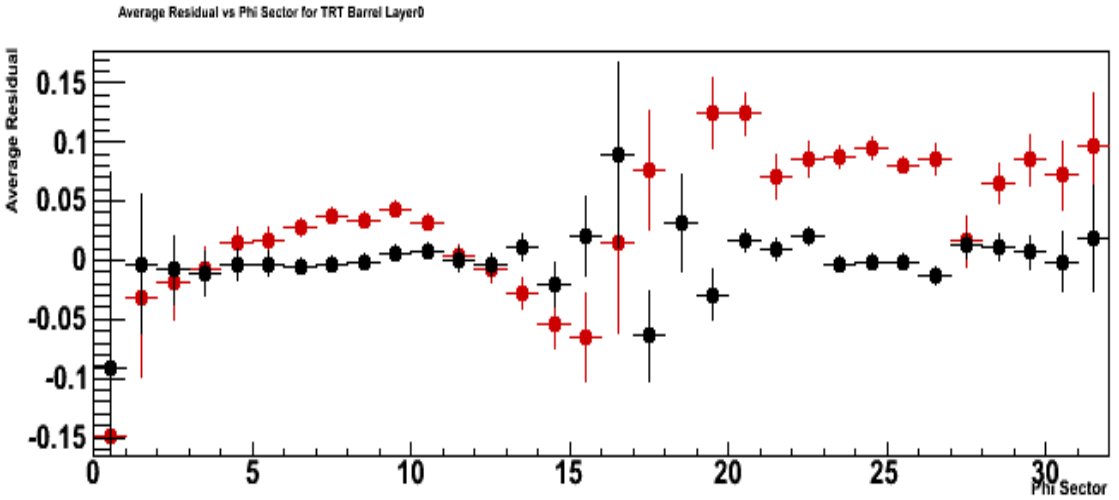
# L1 Alignment Wrt Boff Constants




**Before / After L1 Alignment**

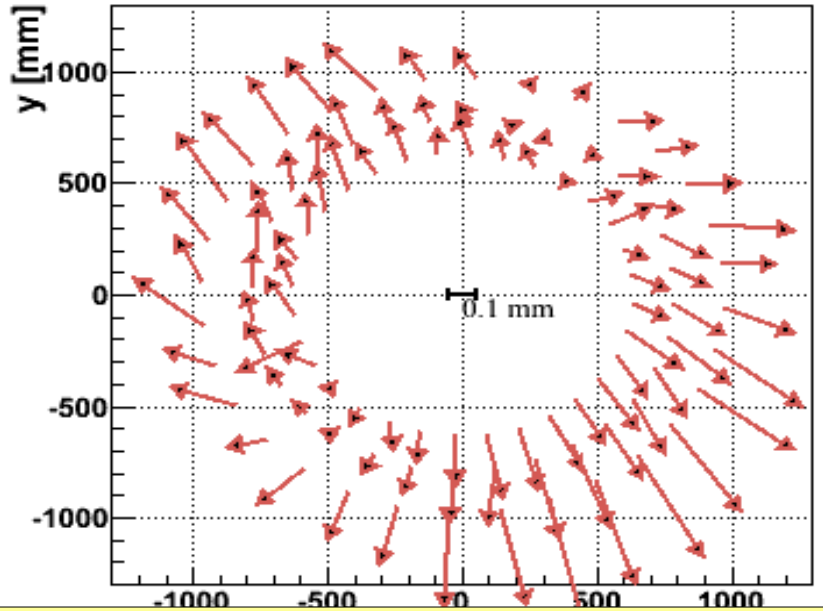


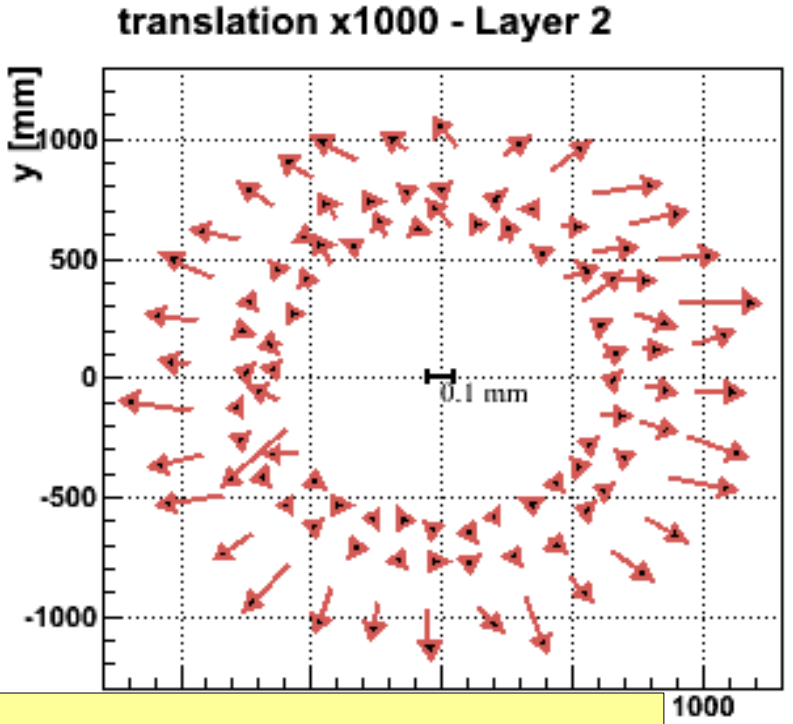
# L1 Alignment Differences

**InDet_Cosmic_2008_03:**
**L1 Alignment:**
Dx = -0.146 mm / Dy = -0.160 mm
Rotx = -0.300 mrad / Roty = 0.369 mrad / Rotz = 0.285 mrad

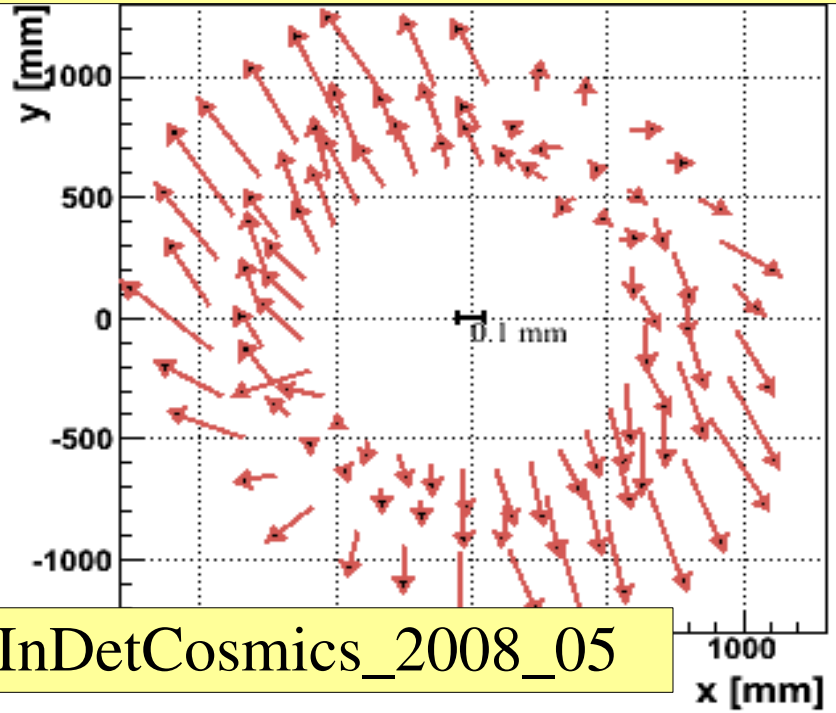
**InDet_Cosmic_2008_05:**
**L1 Alignment:**
Dx = 0.638 mm / Dy = -0.260 mm
Rotx = 0.162 mrad / Roty = 0.498 mrad / Rotz = -0.742

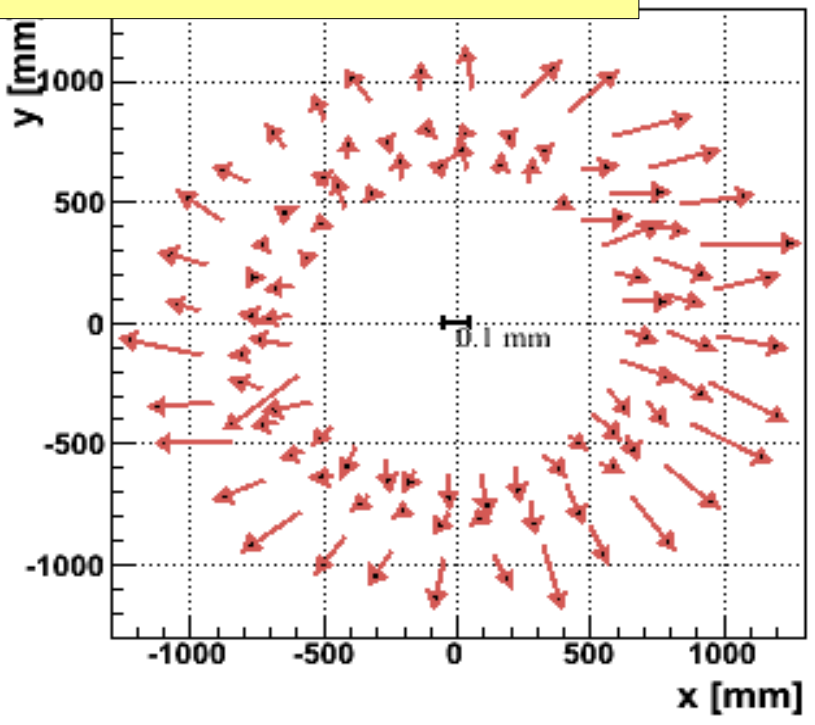
InDetCosmics_2008_03




**L2 Alignment:** Both TRT-Only & Si +TRT TRT-Only




InDetCosmics_2008_05