



# Common Alignment Working Point Proposal

Jim Pivarski

23 July, 2010



- ▶ In mid-August, we will be asked for a new alignment (very important to provide one, because the current geometry has known issues)
- ▶ We may not have solved the track-based/hardware discrepancies
- ▶ We must provide a best-knowledge geometry anyway, and make choices in cases where our knowledge is incomplete

## Proposal

- ▶ Sasha's GlobalPositionRcd (TB & HW agree)
- ▶ Barrel:
  - ▶ local-y chamber positions from TB (clear discontinuities in residuals distribution)
  - ▶ re-run HW alignment with these local-y positions to get a consistent set of local-x (and other parameters)\*
- ▶ Endcap:
  - ▶ chamber positions from beam-halo
  - ▶ combined fit with DCOPS *if consistent*\*
  - ▶ disk positions using global cosmic tracks

\* New, but possible on a short time-scale?