



Status of Muon Alignment: HIP Algorithm

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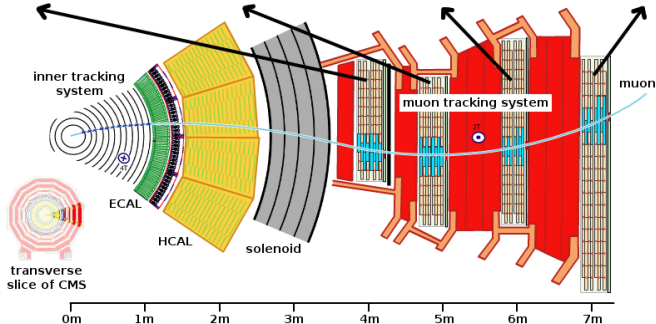
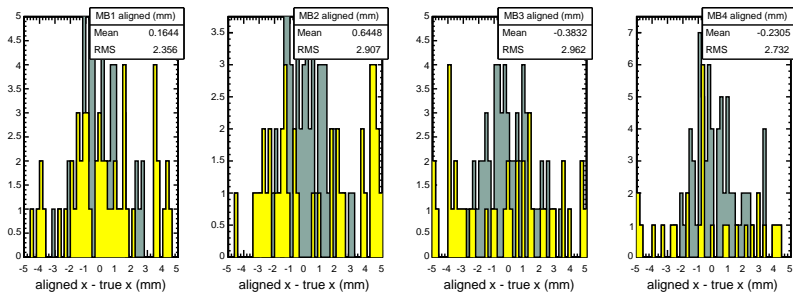


- ▶ Until this morning, muon alignment samples were inaccessible (except by CRAB)
- ▶ Thanks to effort of production team, framework group, a work-around has been implemented
- ▶ Work-around solves all problems except application of p_T cut in alignment job
 - ▶ Needed to optimize alignment quality
 - ▶ Completed an alignment walk-through without the p_T cut
 - ▶ Copying samples to a private skim seems to solve this problem (copy in progress)
- ▶ Also applied a provisional tracker alignment (alignment job ~~in progress~~ just finished)
- ▶ Strange peak in barrel residuals: will study
- ▶ Baseline alignment will very likely be ready for Friday

Barrel aligned positions (low p_T !)

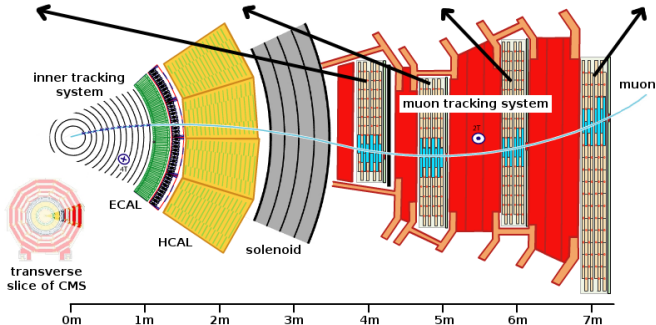
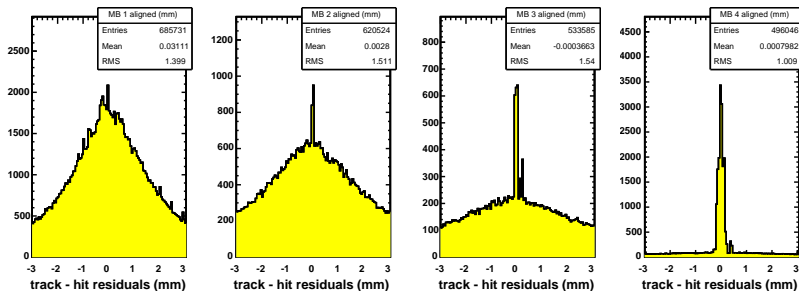
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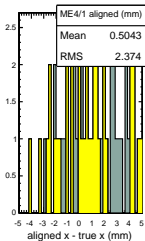
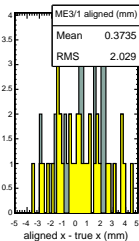
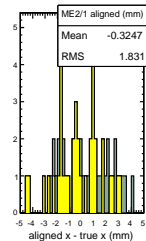
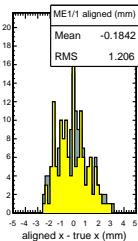
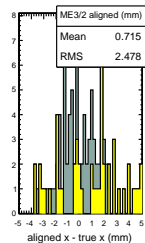
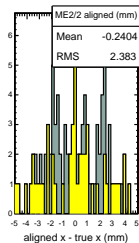
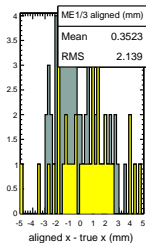
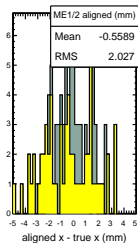
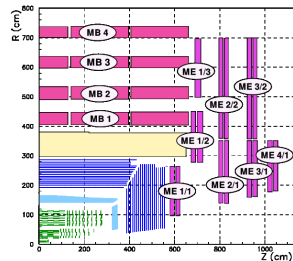


Barrel track residuals (low p_T !)

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Endcap aligned positions (low p_T !) Jim Pivarski 5/7



Endcap track residuals (low p_T !)

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