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Recent Progress in Tracker Alignment R&D at Michigan

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Recent progress in tracker alignment R&D at Michigan will be reported. Dual-laser frequency scanning interferometry (FSI) has proven to work well in reducing systematic uncertainties due to temperature fluctuations which limit single-laser FSI measurements under realistic detector conditions. Results of several recent tests carried out to cross-check the precision of the dual-laser method will be presented. Exploratory work to miniaturize the FSI optical components will also be discussed.

Presenter: RILES, Keith (University of Michigan)

Session Classification: Detector/ Tracking