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Subject: How to apply transformations on the geometry? (Alignment)

Posted by [Felix Boehmer](#) on Tue, 30 Jul 2013 14:24:33 GMT

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Dear experts,

is there some way of manipulating the geometry of single detectors in order to be able to study mis-alignment effects (or do proper tracking on real data...)?

Since the geometries are modular it looks like the framework would be (in principle) well-fitted to do this, for example `FairModule::ConstructRootGeometry()` could take an optional `TGeoCombiTrans` as an argument which is then applied on the nodes before adding them...

As far as I see it, right now one would have to create a new geometry file for every such case and smuggle it into the above routine. This seems extremely hackish to me. Are there plans for such an implementation? Or is there such a thing already? (I am working on an older branch as some of you might know...)

Cheers

Felix

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