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Subject: TPC MVD and GEM correlators  
Posted by [Felix Boehmer](#) on Thu, 16 Jun 2011 00:30:06 GMT  
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Hi all,

I checked in correlator tasks for MVD and GEM in tpc/tpcreco. Also, there is a testing macro:  
macro/run/tdrct/run\_reco\_tpc.C

The scheme is easy: First comes real TPC PR, the fit, then the MVD correlator, another fit, then the correlation with the GEM and the final fit.

Please go ahead and try.

One observation, though: I still have trouble with GEANE, especially when extrapolating in forward direction into the GEMs (floating point exceptions). I can't do anything about it right now. There is an option in the PR (useGeane()) which is the default in the macro. By disabling it, the track representation will change to RKTrackRep, which shows no such problems, but seems to have inferior material effect calculations.

So please try the stability of the channel in question first.  
Also, I would be helpful if people start using the macro also off the grid in private small runs and share their experience with me.

Be sure to update your

tpc/tpcreco  
GenfitTools  
genfit  
recotaks  
macro

folders to have the latest reconstruction algorithms in place.

Cheers

Felix

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