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Subject: new GENFIT release

Posted by [Anonymous Poster](#) on Wed, 04 Aug 2010 13:39:12 GMT

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Dear colleagues,

with revision 9610 of the trunk you will get a new version of GENFIT now also with the track representation RKTrackRep presented by J. Rauch at the Stockholm meeting. Another new feature is the new fitting algorithm "Deterministic Annealing Filter" (genfit/GFDaf.h). It is an iterative Kalman filter with a very intelligent outlier rejection. If you are interested in this feature, please be referred to the Doxygen documentation. You find some references there. The two things you have to tune are the annealing scheme (GFDaf::setBetas()) and the probability cut (GFDaf::setProbCut()). You can use it for fitting by simply replacing GFKalman by GFDaf.

Ralf already pointed out some compiler warnings that occur in the context of -Wshadow. I will update the revision number in ~ 2 weeks or so to collect some other fixes if they are needed.

Cheers, Christian

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