
Subject: change in genfit exception handling

Posted by [Anonymous Poster](#) on Tue, 16 Jun 2009 13:18:27 GMT

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Dear colleagues,

following Ola's suggestion, I changed the exception handling in GENFIT a little. The lazy flag is not removed from the code, but it lost its function completely. The setting of this flag does not have any effect anymore.

The FitterException class has a flag now which you set with `setFatal()` and you get via `isFatal()`. This is to be set for exceptions which are not recoverable, i.e. those which kill the whole track (e.g. `theta<THETACUT`). Exceptions which only affect the fitting of single hits (`cov[0][0]==0` or `findpca` failed,) shall not set this flag.

The Kalman filter will check for `isFatal()`, and in case it is fatal, will flag the track representation and not fit it anymore for the following hits.

Ola, I hope this solves your problem, and I hope that everybody else wont have any problems with this either, but I dont think so. If you think that one exception should be fatal, which isnt right now, or the other way around, please let me know...

Cheers, Christian
