Subject: New Features in GENFIT

Posted by Sebastian Neubert on Tue, 24 Jun 2008 14:33:39 GMT

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Hi!

Susanna and me have implemented the backtracking-smoothing in the Kalman Filter. To use this you have to update the usual packages.

As a consequence now the track paramteres after the fit are not given at the last point anymore but at the first!

Furthermore there are two configuration options you can use with the Kalman:

Kalman::setLazy(int)
--> If you set this to 0 (default) then the Kalman will report any exception that occurs inside.
--> If you set it to 1 then the algorithm will instead skip hits where a problem occurs.

Kalman::setNumIterations(int)
--> choose the number of (forward-backward) tracking cycles. Default: 3

Have fun!
Sebastian.