

---

Subject: New Features in GENFIT

Posted by [Sebastian Neubert](#) on Tue, 24 Jun 2008 14:33:39 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

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 parameters 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.

---