
Subject: Re: Fitter Exceptions

Posted by [Aleksandra Wronska](#) on Thu, 04 Jun 2009 14:05:14 GMT

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

Dear Christian,

I thought the lazy flag was supposed to relax the conditions of reconstruction? At least that's why I keep it set to 1.

My modifications to Kalman.cxx are the following:

awronska@lxi009:/d/panda02/awronska/pandaroot/genfit\$ svn diff Kalman.cxx

Index: Kalman.cxx

```
=====
--- Kalman.cxx (revision 5641)
+++ Kalman.cxx (working copy)
@@ -12,8 +12,9 @@
#include "FitterExceptions.h"

#define COVEXC "cov_is_zero"
+#define THETACUT "GEANE propagation not possible for p.theta<THETACUT"
+#define LOWMOM "GeaneTrackRep: PROTECT AGAINST LOW MOMENTA"

-
Kalman::Kalman():_lazy(0),_initialDirection(1),_numIt(3),_blowUpFactor(2
0.),_nullExtrapolation(false){;}

Kalman::~Kalman(){;}
@@ -129,6 +130,10 @@
        if(e.getExcString()!=std::string(COVEXC)) arep->setStatusFlag(1);
        continue; // go to next rep immediately
    }
+    if(!_lazy && ( e.getExcString()==std::string(THETACUT)
||e.getExcString()==std::string(LOWMOM))){
+        arep->setStatusFlag(1);
+        continue; // go to next rep immediately
+    }
    }
}
} // end loop over reps
```

cheers,
ola
