
Subject: Re: Crash in genfit/geane
Posted by [Stefano Spataro](#) on Fri, 28 Aug 2009 18:02:56 GMT
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Under suggestion of Lia, I have modified the geane parameters for the material "air", adding the following lines in gconfig/Geane.C:

```
TGeoMedium *o=gGeoManager->GetMedium("air");  
o->SetParam(3, .4);
```

to change the maximum angle of deflection inside the magnetic field.
In this case the analysis proceeds without errors. If I use larger values, such as 0.5 or greater, then I have the crash exactly at the same pointx.
I don't know if maybe it could be good to change this option for the common geane parameters, or if this is just a hard fix...

ADDED 29/08/09

I have tried with a different data set and I have followed in the same problem,. This time I had to go to 0.05 in order to get rid of that crash. And, once I am applying such lower cuts, I have seen that there are more warnings such as:

```
FitterException thrown with excString:  
cov_is_zero  
in line: 257 in file: /home/stefano/july09/pandaroot/genfit/Kalman.cxx  
with fatal flag 0  
FitterException Info Output  
=====
```

```
FitterException thrown with excString:  
GEANE propagation failed  
in line: 272 in file: /home/stefano/july09/pandaroot/trackrep/GeaneTrackRep.cxx  
with fatal flag 1  
FitterException Info Output  
=====
```

Then maybe gendoit is skipping those tracks/reco hits.
