
Subject: Re: GEANE: Propagate to Plane not implemented
Posted by [Lia Lavezzi](#) on Wed, 15 Oct 2008 17:00:29 GMT
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Hi Tobias,

I had a look at the code and here is what I found:

- 1) in the task the `fPro->PropagateFromPlane(startU, startV)` is missing;
- 2) GEANE does not see any magnetic field since in the simulation macro `runSimMvd.C` the lines to save the magnetic field to the parameter file are missing.

After getting the `RuntimeDataBase`:

```
CbmRuntimeDb *rtdb=fRun->GetRuntimeDb();  
Bool_t kParameterMerged=kTRUE;  
CbmParRootFileIo* output=new CbmParRootFileIo(kParameterMerged);  
output->open(parOutput.Data(),"RECREATE");  
rtdb->setOutput(output);
```

These lines should be added:

```
PndMultiFieldPar* fieldPar = (PndMultiFieldPar*) rtdb->getContainer("PndMultiFieldPar");  
if ( fField ) { fieldPar->SetParameters(fField); }  
fieldPar->setInputVersion(fRun->GetRunId(),1);  
fieldPar->setChanged();
```

In this way GEANE can find the field.

I attach some results I got with this change:

`res_withB` and `res_withoutB` are the simple GEANE - MonteCarlo x coordinate; `pull_withB` and `pull_withoutB` are the pull distributions.

Ciao,
Lia.

File Attachments

- 1) [res_withoutB.ps](#), downloaded 459 times
 - 2) [res_withB.ps](#), downloaded 443 times
 - 3) [pull_withoutB.ps](#), downloaded 444 times
 - 4) [pull_withB.ps](#), downloaded 430 times
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