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Subject: Re: Field maps in Macros  
Posted by [donghee](#) on Fri, 15 Jan 2010 13:34:00 GMT  
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Dear colleagues,

After the refresh the pandaroot v7467, /macro/run/sim\_complete\_tpc.C and /macro/emc/sim\_emc.C are tested, but they simply doesn't work due to magnet field. The field definition have been already replaced as you recommended.

```
fRun->SetBeamMom(15);  
PndMultiField *fField= new PndMultiField("FULL");  
fRun->SetField(fField);
```

If I exclude magnet field in the script, everything looks fine.  
Please check macro, specially the part of magnet accessing.

Thank you in advance.

Quote:

```
===== FairRunSim: Initialising simulation run =====  
Info in <TGeoManager::TGeoManager>: Geometry FAIRGeom, FAIR geometry created  
-I- FairGeoMedia Read media  
-I container name PndEmcDigiPar
```

```
*****
```

```
initialisation for run id 1890884962
```

```
*****
```

```
PndEmcDigiPar initialized from Ascii file  
-I- PndFieldMap: Reading field map from ROOT file  
/home/donghee/GSI/pandaroot/input/TransMap.1500.root  
-I- PndFieldMap: Reading field map from ROOT file  
/home/donghee/GSI/pandaroot/input/DipoleMap1.1500.root  
-I- PndFieldMap: Reading field map from ROOT file  
/home/donghee/GSI/pandaroot/input/DipoleMap2.1500.root  
-I- PndFieldMap: Reading field map from ROOT file  
/home/donghee/GSI/pandaroot/input/SolenoidMap1.root  
-I- PndFieldMap: Reading field map from ROOT file  
/home/donghee/GSI/pandaroot/input/SolenoidMap2.root  
-I- PndFieldMap: Reading field map from ROOT file  
/home/donghee/GSI/pandaroot/input/SolenoidMap3.root  
-I- PndFieldMap: Reading field map from ROOT file  
/home/donghee/GSI/pandaroot/input/SolenoidMap4.root  
create PndFieldPar container PndMultiFieldPar  
create PndFieldPar container PndTransPar  
create PndFieldPar container PndDipole1Par  
create PndFieldPar container PndDipole2Par  
create PndFieldPar container PndSolenoid1Par  
create PndFieldPar container PndSolenoid2Par  
create PndFieldPar container PndSolenoid3Par  
create PndFieldPar container PndSolenoid4Par
```

```
*** Break *** segmentation violation
Attaching to program: /proc/26895/exe, process 26895
[Thread debugging using libthread_db enabled]
[New Thread 0xb6bdc6c0 (LWP 26895)]
0xb7fac410 in __kernel_vsyscall ()
error detected on stdin
The program is running.  Quit anyway (and detach it)? (y or n) [answered Y; input not from
terminal]
Detaching from program: /proc/26895/exe, process 26895
Root > Function sim_complete_tpc() busy flag cleared
```

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