
Subject: Re: Analysis for Material Radiation length
Posted by [Mohammad Al-Turany](#) on Wed, 21 Nov 2012 14:40:19 GMT
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Hallo Ajay,

In your macro you have:

```
....  
Quote: TFile* f = new TFile(inFile.c_str()); // the sim file you want to analyse  
TTree *t=(TTree *) f->Get("cbmsim") ;  
  
TFile* file = new TFile("Simulation_par.root");  
file->Get("FairBaseParSet");  
TClonesArray* mc_array=new TClonesArray("PndMCTrack");  
t->SetBranchAddress("MCTrack",&mc_array);//Branch names  
TClonesArray* rad_array=new TClonesArray("FairRadLenPoint");  
t->SetBranchAddress("RadLen",&rad_array);  
// TGeoManager *geoMan = (TGeoManager*) gDirectory->Get("FAIRGeom");  
TGeoManager *geoMan = (TGeoManager*) gDirectory->Get("FairBaseParSet");  
// PndGeoHandling* fGeoH = new PndGeoHandling();  
...  
...
```

You do not need to call the line in RED it is even wrong, when you call

```
file->Get("FairBaseParSet");
```

the geometry is read in memory and the "gGeoManager" global pointer is valid, just use it and it should work! Simply remove the line in RED and use directly gGeoManager, i.e:

```
TGeoNode* node = gGeoManager->FindNode(point.x(),point.y(),point.z());
```

regards,

Mohammad