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Subject: URGENT: Dirc geometry?

Posted by [Stefano Spataro](#) on Thu, 26 May 2011 07:41:25 GMT

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Hi,  
which is the proper way to run DIRC geometry?  
I am using the old good standard:

```
PndDrc *Drc = new PndDrc("DIRC", kTRUE);  
Drc->SetRunCherenkov(kFALSE); // for fast sim Cherenkov -> kFALSE  
fRun->AddModule(Drc);
```

But it is not working, it produces the following messages:

```
===== DRC:: ConstructOpticalGeometry() =====  
Warning in <TGeant3TGeo::DefineOpSurface>: Called for surface MirrSurface. Not applicable  
in Geant3 - setting is ignored.  
Warning in <TGeant3TGeo::SetBorderSurface>: Called for border surface BarMirrSurface. Not  
applicable in Geant3 - setting is ignored.  
Warning in <TGeant3TGeo::SetBorderSurface>: Called for border surface BarMirrSurface. Not  
applicable in Geant3 - setting is ignored.  
Warning in <TGeant3TGeo::SetBorderSurface>: Called for border surface BarMirrSurface. Not  
applicable in Geant3 - setting is ignored.  
Warning in <TGeant3TGeo::SetBorderSurface>: Called for border surface BarMirrSurface. Not  
applicable in Geant3 - setting is ignored.  
Warning in <TGeant3TGeo::SetBorderSurface>: Called for border surface BarMirrSurface. Not  
applicable in Geant3 - setting is ignored.  
Warning in <TGeant3TGeo::SetMaterialProperty>: Called for material surface MirrSurface.  
Not applicable in Geant3 - setting is ignored.  
===== DRC::ConstructOpGeometry -> Finished! =====  
-I- Initializing PndSdsDetector()
```

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```
PndEmc::SetSpecialPhysicsCuts():  
  using special physics cuts ...
```

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```
-I- Initializing PndGemDetector()  
-I- PndDrc: Initialization started...  
-I- PndDrc: Switching OFF Cherenkov Propagation  
VolId: Volume DrcBarSensor not found  
bar 1 id = 0  
VolId: Volume DrcPDSensor not found  
VolId: Volume DrcBarBox not found  
VolId: Volume DrcEV not found  
-I- PndDrc: Initialization successful
```

but in the TGeoManager I can see there is no DIRC!!  
Which is the correct way to call it? I do not need the cherenkov propagation, the fast option is  
what I need to use.

Many thanks in advance.

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