
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()
```

```
*****
```

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

```
*****
```

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

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.
