
Subject: Re: Problem storing the geometry to a root file
Posted by [Ralf Kliemt](#) on Thu, 26 Jul 2007 07:46:47 GMT
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Ralf Kliemt replied:

Quote:

Hi Ola,

I have tried to get your problem, but I won't get it.

The main thing is, I think, how the root file geometry is produced. In the Mvd case Tobias Stockmanns did the work here. He built a converter from the step file format to root objects. He pointed out to me that it was somehow important to give a complete TGeoManager into the rootfile itself.

pandaroot/mvd/MvdMC/MvdDetector.cxx is the you should look into, since the volume handling is done there.

Concerning the sensitive volumes there is a list of name parts of your sensitives. The detector names are used to identify them. When the name contains one of the names in the sensitives list, it is added to the sensitive volume list from geant.

like:

```
---
    fListOfSensitives.push_back("StripSensor");
    fListOfSensitives.push_back("SensorActiveArea");
---

---
bool MvdDetector::CheckIfSensitive(std::string name)
{
    for (int i = 0; i < fListOfSensitives.size(); i++){
        if (name.find(fListOfSensitives[i]) != std::string::npos)
            return true;
    }
    return false;
}
---

---
if (CheckIfSensitive(v->GetName())){
    AddSensitiveVolume(v);
}
---
```

I hope this helps.
Kind regards, Ralf.

PS:

Skype is no problem for me. In any other case I would not have given my name to the list.

I'm a very friend of the pandaroot forum. Maybe I'll put these emails into a thread there...
