

---

Subject: Saving geometry inside FairBaseParSet  
Posted by [Stefano Spataro](#) on Tue, 03 Jul 2012 10:05:32 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Dear fairroot experts,  
let's assume I want to analyse some MVD experimental data stored inside a root file. I have already a task (unpacker) reading the file and converting data into pandaroot format. My main problem is that I need to use the geometry for the reconstruction tasks (i.e. position of sensors).

If I have to run the simulation, with FairRunSim, I add my module to the geometry and it is stored inside the parameter file under the FairBaseParSet container. Ok.

If I run my unpacker (which is a task) not starting from a simulation but from an external file, I have to use FairRunAna and I cannot add the module. I have seen there is the function:

Quote: fRun->SetGeomFile(geomFile);

which is loading my geometry file, under TGeoManager format.  
My main concern is that in this way the geometry is loaded but it is not stored as FairBaseParSet, and my output param file does not contain it. I need FairBaseParSet container for further data processing.

In my task I put, in the SetParContainers() function:

```
FairRuntimeDb* rtdb=ana->GetRuntimeDb();  
FairBaseParSet* par=(FairBaseParSet*)(rtdb->getContainer("FairBaseParSet"));  
rtdb->initContainers(ana->GetRunId());
```

but still FairBaseParSet is not saved.

Is it a bug of fairroot, or simply I should do something different?  
Any help would be very appreciated.

Regards

---