
Subject: Re: geometry overlaps for PANDA subdetectors
Posted by [Stefano Spataro](#) on Tue, 30 Jul 2013 07:54:14 GMT
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Prometeusz Jasinski wrote on Mon, 29 July 2013 11:26Hi, concerning the beam pipe:

I attached an updated version, but the beam pipe is even larger. I find internal overlaps even more interesting. How do I check those?

I answer to your first question.

Run the simulation with few events. After, you open the simparams.root file, click on FairBaseParSet, and it will load the gGeoManager. From this you can:

```
gGeoManager->CheckGeometryFull();
```

or with the mouse you click in the FAIRGeom folder and run the same command. After you check overlaps, you can draw them from the "Overlaps" folder, or also print them

```
->PrintOverlaps(),
```

I do not suggest to include MVD geoemtry, since it takes almost 1 day to do the full check. The rest of PANDA is much much faster.
