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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 11:26: Hi, 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 geometry, since it takes almost 1 day to do the full check. The rest of PANDA is much much faster.

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