Subject: readout electronics in geometry
Posted by Olaf Hartmann on Wed, 23 Mar 2011 08:37:40 GMT
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Liebe EMC Simulanten,

is there a geometry version which contains the readout electronics (APDs) available in
PandaRoot?

Cheers
Olaf.

Subject: Re: readout electronics in geometry
Posted by StefanoSpataro on Wed, 23 Mar 2011 09:37:06 GMT
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Hi,
you have to add a "PndEmcApd" geometry in your sim macro like for emc in the old style,
before "SetGeometryVersion" (using only one .dat as geometry ascii file), but if I remember
well only the barrel part is updated (the endcaps are still the old design).
I suppose in macro/emc/somehwere there shpuld be an example, just grep "Apd" in the files
there.

Subject: Re: readout electronics in geometry
Posted by Dima Melnychuk on Wed, 23 Mar 2011 12:43:01 GMT
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Hi Olaf,

If you want it a little bit more precisely APD geometry is included in
macro/emc/dedicated/sim_emc_apd.C

FairDetector *EmcApd = new PndEmcApd("APD",kTRUE);
EmcApd->SetGeometryFileName("apd_module12.dat");
fRun->AddModule(EmcApd);

But as Stefano have mentioned it already it exists for barrel only.

Dima