
Subject: Re: update EMC geometry
Posted by [Dima Melnychuk](#) on Fri, 23 Sep 2011 15:18:29 GMT
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Hi all,

I have modified Emc Mapper to simplify procedure to add new versions of modules.

For example for the recent update of forward endcap geometry in PndEmcMapper the constructor should be implemented, which include only mapper for this module

```
PndEmcMapperGeo3RootV2::PndEmcMapperGeo3RootV2()
```

and then it is combined in Init() method with other module using Add() method

```
_instance = new PndEmcMapperGeo12Dat();  
_instance->Add(new PndEmcMapperGeo3RootV2());  
_instance->Add(new PndEmcMapperGeo4Root());  
_instance->Add(new PndEmcMapperGeo5Root());
```

In addition I modified slightly PndEmc::SetGeometryVersion() method which defines available EMC geometries.

I removed some geometry options which I consider completely obsolete and made the geometry which should be used by default (
"emc_module12.dat","emc_module3_2011_new.root","emc_module4_StraightGeo24.4.root",
"emc_module5_fsc.root")
as a version 1.

I.e. in simulation macro it should be called

```
PndEmc *Emc = new PndEmc("EMC",kTRUE);  
Emc->SetGeometryVersion(1);
```

and corresponding EmcMapper version is 1.

The same geometry without shashlyk has version 2.

Dima
