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Subject: New geometry of the Backward EndCap  
Posted by [Aleksandra Biegun](#) on Tue, 03 Mar 2009 11:13:14 GMT  
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Dear All,

I added new macro for creation of the Backward End-Cap EMC geometry in  
trunk/macro/emc/

and it is called:  
createRootGeoFileBwEnd\_FwEndCapGeo.C.

The new geometry for the backward endcap is the same like for the new forward endcap.  
The copy numbers are created in the same order like for the first (old) endcap,  
so only needed changes have been done in following classes:

trunk/emc/EmcMC/PndEmc.cxx and PndEmc.h  
trunk/emc/EmcTools/PndEmcStructure.cxx  
trunk/emc/EmcTools/PndEmcMapper.cxx

If you want to test it, in the  
trunk/macro/emc/sim\_emc.C

macro, there is additional SetGeometryFileNameTriple() function added, which contains 3  
parts of EMC geometry.  
The geometry files: emc\_module125.dat and emc\_module4\_FwEndCapGeo.root are also  
added to svn.

In case of any problems, please let me know.

Best regards,  
Ola.

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Subject: Re: New geometry of the Backward EndCap  
Posted by [Aleksandra Biegun](#) on Tue, 03 Mar 2009 11:16:52 GMT  
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One note more...

If you want to use the new geometry of the backward encap,  
use MappVersion = 6 (MapperVersion: Int\_t 6)  
in the macro/params/emc.par.

Regards,  
Ola.

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Subject: Re: New geometry of the Backward EndCap  
Posted by [Aleksandra Biegun](#) on Fri, 08 May 2009 09:00:23 GMT  
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Good morning,

I updated the code for backward end-cap  
and I added more information about it in the sim\_emc.C macro.

For me, different combinations of EMC geometry works.

I think it can be useful for Dmitry and Mamen.

Have a nice day,  
Ola.

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