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Subject: Muon Detector

Posted by [StefanoSpataro](#) on Wed, 11 Jun 2008 17:15:00 GMT

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Dear all,

in svn you can find the new release of the muon detector, developed together with George, according to our current solenoid design.

The package is now called "MDT" instead of MUO, such as "Muon Detector Tracker" (the original name).

A ideal digitization is also provided.

The macros were added also in svn, and the global macro/run\_ macros were also updated. Please remember that libMuo does not exist anymore, but now you have to use libMdt.

Here you are our new sketch (I have no idea on why I am having problems with the Microvertex, maybe it is due to the old geometry).

Bye

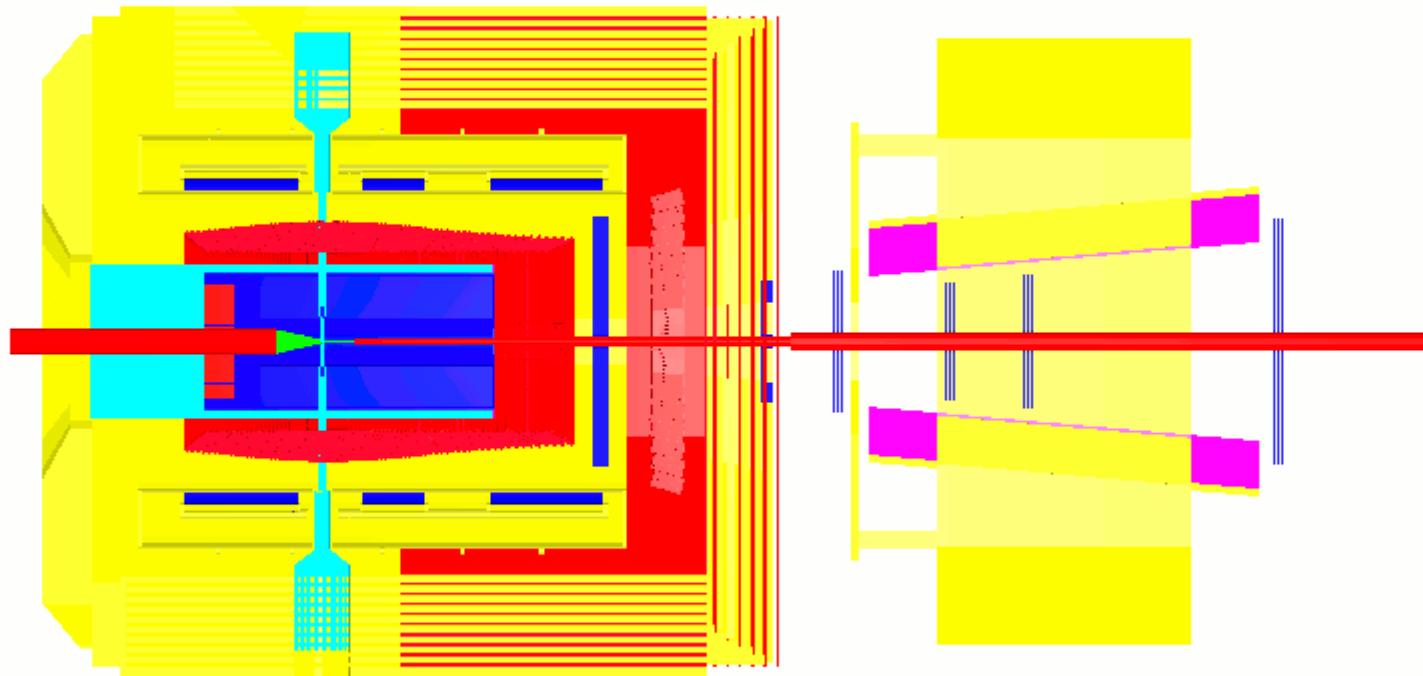
[Toggle Spoiler](#)

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#### File Attachments

1) [Untitled.gif](#), downloaded 994 times

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Subject: Re: Muon Detector

Posted by [Tobias Stockmanns](#) on Thu, 12 Jun 2008 06:19:33 GMT

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Dear Stefano,

the problem with the MVD is very simple. You have to set the VisLevel to a value larger than ten. The MVD is based on a very structured design with many subgroups. Therefore the standard VisLevel of 3 is insufficient.

Cheers,

Tobias

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Subject: Re: Muon Detector

Posted by [StefanoSpataro](#) on Thu, 12 Jun 2008 09:58:29 GMT

Hi Tobias,  
the plot was done already with VisLevel 10.  
The problem is that in the "standard" macro/run/run\_sim1.C the called MVD geometry is MVD14.root, which produces a lot of errors, such as:

## Toggle Spoiler

and then the geometry is not constructed.

When I use the last geometry `MVD_v1.0_woPassiveTraps.root` the errors vanish and the geometry is correctly constructed.(but before they worked together).

Should I change the geometry in the test macro/run/run\_sim1.C , so that the last release is used?

Subject: Re: Muon Detector  
Posted by [Ralf Kliemt](#) on Thu, 12 Jun 2008 11:31:37 GMT  
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Hi Stefano,

This message is only a warning from the PndMvdDetector class. It has no other effect - i.e. the

MCpoints & volumes are correct. The message will be removed with my next commit.  
Thanks for finding.

Ciao, Ralf.

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Subject: Re: Muon Detector

Posted by [StefanoSpataro](#) on Fri, 13 Jun 2008 08:26:23 GMT

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For all those who have problems with Dashboard,  
the file Dart.sh was modified to set correctly the name of the muon library (muo->mdt).

So you should download the last version of Dash.sh, set your environment and everything will  
work again (hopefully).

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