Subject: New magnetic fields and geometries
Posted by Volker Friese on Thu, 26 Nov 2009 13:47:28 GMT
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The new magnetic fields (see E. Litvinenko's email) have been committed as standard to the cbmroot trunk and will enter release DEC09.

There are two versions of the magnet corresponding to the electron or muon setup. The one for the electron setup includes screens reducing the field in the RICH PMs. For details about the new magnet, see E. Matyushevskiy's presentation at the Collaboration Meeting October 2009 in Split.

The new standards are
field_electron_standard.root
field_muon_standard.root
which are available for download or linking from
/d/cbm06/cbmsim/field/DEC09

The corresponding geometry files in the repository are
geometry/magnet_electron_standard.geo
geometry/magnet_muon_standard.geo

The previous standard (FieldMuonMagnet.root, magnet_standard.geo) is kept for reference, but the geometry is renamed to
geometry/magnet_JUN09.geo

The obsolete magnet version magnet_active.geo was removed from the repository.