

Table of Contents

2009 MC samples for alignment (spring 2009)	1
Additional information 04/06/2009.....	2
2008 Monte Carlo samples for alignment (November 2008)	3
This is the request made in Summer 2008, revised December 2008:.....	3
The current status (November 17th 2008).....	3

2009 MC samples for alignment (spring 2009)

description	Gauss and Brunel AppConfig option files	event type	DDDB and CondDBtag	ge
minbias-450GeV-MagnetOff	Gauss/MC09-b450GeV-moff.py & Conditions/MC09-20090402-vc-moff & Brunel/moff.py	30000000	head-20090330, sim-20090402-vc-moff	Py
beamgas-H-450GeV-MagnetOff	Gauss/MC09-b450GeV-moff.py & Conditions/MC09-20090402-vc-moff & Brunel/moff.py	60001001	head-20090330, sim-20090402-vc-moff	Hi
beamgas-O-450GeV-MagnetOff	Gauss/MC09-b450GeV-moff.py & Conditions/MC09-20090402-vc-moff & Brunel/moff.py	60001008	head-20090330, sim-20090402-vc-moff	Hi
min bias-5TeV-MagnetOff	Gauss/MC09-b5TeV-moff.py & Conditions/MC09-20090402-vc-moff & Brunel/moff.py	30000000	head-20090330, sim-20090402-vc-moff	Py
beamgas-H-5TeV-MagnetOff	Gauss/MC09-b5TeV-moff.py & Conditions/MC09-20090402-vc-moff & Brunel/moff.py	60001001	head-20090330, sim-20090402-vc-moff	Hi
beamgas-O-5TeV-MagnetOff	Gauss/MC09-b5TeV-moff.py & Conditions/MC09-20090402-vc-moff & Brunel/moff.py	60001008	head-20090330, sim-20090402-vc-moff	Hi
minbias-5TeV-MagnetOn	Gauss/MC09-b5TeV-md100.py & Conditions/MC09-20090402-vc-md100	30000000	head-20090330, sim-20090402-vc-md100	Py
beamgas-H-5TeV-MagnetOn	Gauss/MC09-b5TeV-md100.py & Conditions/MC09-20090402-vc-md100	60001001	head-20090330, sim-20090402-vc-md100	Hi
beamgas-O-5TeV-MagnetOn	Gauss/MC09-b5TeV-md100.py & Conditions/MC09-20090402-vc-md100	60001008	head-20090330, sim-20090402-vc-md100	Hi
LSS events	Gauss/MC09-b5TeV-md100.py & Conditions/MC09-20090402-vc-md100	60040000	head-20090330, sim-20090402-vc-md100	de
beamgas-H-5TeV-MagnetOn-beam2	Gauss/MC09-b5TeV-md100.py & Conditions/MC09-20090402-vc-md100	60002001	head-20090330, sim-20090402-vc-md100	Hi
beamgas-O-5TeV-MagnetOn-beam2	Gauss/MC09-b5TeV-md100.py & Conditions/MC09-20090402-vc-md100	60002008	head-20090330, sim-20090402-vc-md100	Hi

Special instructions for production

- extra AppConfig files not listed above, valid for all samples
 - ◆ for Gauss: \$APPCONFIGOPTS/Gauss/Alignment.py
 - ◆ for Brunel: \$APPCONFIGOPTS/Brunel/StoreMuonAlignTracks.py
- keep the sim files

*releases

Gauss	v37r0
Boole	v18r1
Brunel	v34r6
AppConfig	v2r5
SQLDDDB	v5r5

Additional information 04/06/2009

These samples have now been produced. However, there is a bug in the OT geometry. As a result the occupancy and scattering in front of T3 are too high.

2008 Monte Carlo samples for alignment (November 2008)

This is the request made in Summer 2008, revised
December 2008:

description	Gauss option file	event type	field	energy	generator	# ev
minbias-450GeV-MagnetOff	lhcb-2008-450GeV-BOff.py	30000000	Off	450GeV	default	1M
beamgas-H-450GeV-MagnetOff	lhcb-2008-450GeV-BOff.py	60001001	Off	450GeV	Hijing	500k
beamgas-O-450GeV-MagnetOff	lhcb-2008-450GeV-BOff.py	60001008	Off	450GeV	Hijing	500k
min bias-5TeV-MagnetOff	lhcb-2008-5TeV-BOff.py	30000000	Off	5TeV	default	1M
beamgas-H-5TeV-MagnetOff	lhcb-2008-5TeV-BOff.py	60001001	Off	5TeV	Hijing	500k
beamgas-O-5TeV-MagnetOff	lhcb-2008-5TeV-BOff.py	60001008	Off	5TeV	Hijing	500k
minbias-5TeV-MagnetOn	lhcb-2008-5TeV.py	30000000	On	5TeV	default	1M
beamgas-H-5TeV-MagnetOn	lhcb-2008-5TeV.py	60001001	On	5TeV	Hijing	500k
beamgas-O-5TeV-MagnetOn	lhcb-2008-5TeV.py	60001008	On	5TeV	Hijing	500k
LSS events	lhcb-2008.py	60040000	On	7TeV	default	10M
beamgas-H-5TeV-MagnetOn-beam2	lhcb-2008-5TeV.py	60002001	On	5TeV	Hijing	250k
beamgas-O-5TeV-MagnetOn-beam2	lhcb-2008-5TeV.py	60002008	On	5TeV	Hijing	250k

Special instructions for production

- keep the sim files
- extra Gauss options: \$GAUSSOPTS/RichExtendedInfo.opts, \$GAUSSOPTS/BeamScintillators.opts
- extra Brunel options:

```
#include "$MUONTRACKALIGNROOT/options/MuonTrackAlign.opts"
OutputDSTSeq.Members += { "TrackToDST/MuonTrackToDST"};
MuonTrackToDST.TracksInContainer = "Rec/Muon/MuonsTrackForAlignment";
MuonTrackToDST.StoreAllStates = true;
```

The current status (November 17th 2008)

Files are available at the following location

/castor/cern.ch/grid/lhcb/MC/2008/DST/0000prodid/0000

where 'prodid' is the type of events:

prodid	description	event type	production log
3066	Beam450GeV-VeloOpen-BfieldZero, beamgas H	60001001	log
3067	Beam5TeV-VeloOpen-BfieldNeg, beamgas H	60001001	
3068	Beam5TeV-VeloOpen-BfieldZero, beamgas H	60001001	
3069	Beam450GeV-VeloOpen-BfieldZero, beamgas O	60001008	
3070	Beam5TeV-VeloOpen-BfieldNeg, beamgas O	60001008	
3071	Beam5TeV-VeloOpen-BfieldZero, beamgas O	60001008	
3072	Beam450GeV-VeloOpen-BfieldZero	30000000	
3073	Beam5TeV-VeloOpen-BfieldNeg	30000000	
3074	Beam5TeV-VeloOpen-BfieldZero	30000000	
3076	Beam7TeV-BfieldNeg, beam gas LSS-arc	60040000	
3077	Beam7TeV-BfieldNeg, beam gas LSS-arc	60040000	

Notes:

- Replace 'DST' with 'SIM' or 'DIGI' to get the sim or digi files.
- You can find these in the old bookkeeping [?](#) under configuration 'MC - 2008'
- **Note: Due to an unfortunate miscommunication, there are currently ONLY VELO-OPEN samples. A new request (all samples with belo closed) has been made.**

-- WouterHulsbergen - 17 Nov 2008

This topic: LHCb > LHCbDetectorAlignmentDataSets

Topic revision: r11 - 2009-06-04 - WouterHulsbergen



Copyright &© 2008-2019 by the contributing authors. All material on this collaboration platform is the property of the contributing authors. Ideas, requests, problems regarding TWiki? Send feedback