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Releases based on LHCb v26r3 (and Gaudi v20r4, LCG_55c)

This page documents releases based on LHCb v26r3. **Do not edit**, the content of these releases is frozen.

LHCb v26r3 (released 7th April 2009)

Based on LHCb v26r2, with the following new tags

Package	User tag	Suggested official tag	Comment
Det/DDDB	cattanem_20090309	v1r16	Remove DDDBConf().UseOracle property
Det/DetCond	cattanem_20090309	v12r5p2	Add options/UseOracle.py
Det/DetDescChecks	cattanem_20090309	v4r10p1	Fix example for Oracle usage
Det/STDet	mneedham_20090227	v4r8	add findTopLevelElement function to DeSTDetector
Event/DAQEvent	odescham_20090305	v7r19	Automatic bin label for ReadoutStatusMonitor histograms
Event/DigiEvent	mneedham_20090301	v2r11	Changes in Velo and ST digit and cluster classes
Event/EventPacker		v1r4	Fix the hack in ReadPackedDst.cpp
Event/GenEvent	gcorti_20090403	v5r5	Add two new data members to GenHeader
Event/HltEvent		v8r16	create custom dictionary for HltObjectSummary::Info
Event/L0Event	odescham_20090305	v17r4	minor update of LODUBase.h + fix in LODUTrigger/Report.xml
Event/MCEvent	gcorti_20090403	v2r13	Add short-cut method for number of primary vertices to MCHeader
Event/RecEvent	mneedham_20090226	v2r19	Changes in STSummary class
Event/TrackEvent		v4r19	Add enums for extra info for the muon tracks
GaudiConf	cattanem_20090309	v12r2	Remove LHCbApp().UseOracle property
	cattanem_20090403		Add DigiConf configurable
Kernel/MCInterfaces	rlambert_20090306	v1r8	Add interface for IEventTypeFinder
Kernel/LHCbApp	jvantilb_20090309	v2r25	Add FilterByBankType algorithm
Kernel/LHCbKernel	rlambert_20090305	v11r2	Add method+typedef to IEvtTypSvc to return all known types
	cattanem_20090305		add option to LbAppInit to print event time
	odescham_20090305		small improvement in CaloCellID and CaloCellCode
Phys/DaVinciKernel	jpalac_20090309	v7r4	Fix access to re-fitted PV
Phys/DaVinciMCKernel	jpalac_20090309	v3r1	Particle _> MCParticle association interface and base impl. changes
Rich/RichRecBase	jonrob_20090303	v3r20	Add support for new ring types in RichRecRing.xml.
Sim/SimComponents	rlambert_20090305	v2r17	Fixed some bugs in MCDecayFinder
	rlambert_20090306		Added implimentation of IMCEventTypeFinder
	rlambert_20090308		Fixed a bug in MCEventTypeFinder
	rlambert_20090309		Added headers in EvtTypeSvc

ST/STKernel		v1r12	Bug fix in TTNumberToSourceIDMap
Tr/TrackInterfaces	smenzeme_040309	v4r2	add. for init states for fitter algorithm and tool

Lbcom v6r27 (released 8th April 2009)

Based on Lbcom v6r26, with the following new tags

Package	User tag	Suggested official tag	Comment
Calo/CaloTools	odescham_20090309	v5r7	fix default setting in CaloHypo2Calo
L0/L0DU	odescham_20090305	v8r15	improvement in monitoring + automatic L0DUTrigger definition
	cattanem_20090306		add DataType property to Configurable, use it to set default TCK
Rich/RichDAQ	cattanem_20090304	v3r23p1	Fix untested StatusCodes, replace endreq by endmsg
ST/STAlgorithms	mneedham_20090302	v3r5	Update STClusterCreator to changes in STCluster class
ST/STCheckers	mneedham_20090226	v2r11	Follow changes in STSummary class
ST/STDAQ	mneedham_20090226	v3r16	Follow changes in STSummary class
	mneedham_20090227		Remove info message in event loop
	mtobin_20090303		Merge of STOnline classes into STDAQ
ST/STMonitors	v1r0	v1r0	First release of monitoring package

Rec v6r3 (released 8th April 2009)

Based on Rec v6r2, with the following new tags

Package	User tag	Suggested official tag	Comment
Calo/CaloMoniDst	odescham_20090306	v3r5	cleaning for DQ + splitArea functionality + default DQ histograms
Calo/CaloReco	odescham_20090309	v4r18	first preliminary CaloReco tuning for DC09 + 2nd iteration for electrons
Muon/MuonID	miriamg_20090306	v6r2	2009 settings: new FOIfactor
Rec/GlobalReco		v6r20	Changes to Root macros
Rec/RecAlgs	cattanem_20090305	v1r8	RecInit passes Odin event time to LbAppInit for possible printing
Rich/RichHLTLocalPID		v1r3p2	Fix uninitialized variables
Rich/RichRecMonitors		v2r22	Improvements to MC monitors
Rich/RichRecQC	jonrob_20090305	v2r27	Suppress empty histogram in MC-free running
Rich/RichRecSys		v3r17	Minor changes in configurable
Rich/RichRecTrackTools	jonrob_20090304	v1r9	Suppress warning about isolation tool not being implemented for Aerogel track segments
Tf/PatAlgorithms	smenzeme_040309	v3r16	add interface to pat fitter for init state alg for fitter
Tf/PatVelo	dhcroft_20090305	v3r12	Removed unused variables from PatVeloSpaceTrack and other code tidying
	cattanem_20090308		Fix uninitialised data in PatVeloPhiList
Tf/PatVeloTT	smenzeme_080309	v3r6	prepare to use DetailedDedxBetheBlochEnergyCorrectionTool

Tf/TrackSys	smenzeme_040309	v4r22	add init state alg for fitter in tracking sequence
Tr/TrackExtrapolators	smenzeme_080309	v2r21	prepare to use DetailedDedxBetheBlochEnergyCorrectionTool
Tr/TrackFitter	smenzeme_080309	v2r32	prepare to use DetailedDedxBetheBlochEnergyCorrectionTool
Tr/TrackMCTools	mneedham_20090222	v2r22	test untested StatusCodes
Tr/TrackMonitors	gersabec_20090227	v1r8	added plots for Velo left/right vertices in TrackVertexMonitor
			Add OTMonitor
Tr/TrackTools	dhcroft_20090302	v3r15	Changed default tune of TrackVelodEdxCharge to expect 47.1 ADC per cluster
	smenzeme_040309		add init state alg & tool
	smenzeme_060309		minor fix to init state alg
Tr/TrackUtils	mschille_20090225	v1r25	add algorithm to create fast track collection (using a SharedObjectsContainer)
	cattanem_20090308		Fix untested StatusCode
Velo/VeloRecMonitors	erodrigu_20090305	v1r5	Reduced binning for some histos

Rec v6r4 (Bug fixes for MC09 production, released 21st April 2009)

Based on Rec v6r3, with the following new tags

Package	User tag	Suggested official tag	Comment
Tf/PatAlgorithms	v3r17	v3r17	Add correction for tilt of straws in fitter initialization

Rec v6r5 (Bug fixes for MC09 production, released 26th April 2009)

Based on Rec v6r4, with the following new tags

Package	User tag	Suggested official tag	Comment
Tf/PatAlgorithms	v3r18		Make PatSeedFit safe against unreasonable track input

Rec v6r6 (Bug fixes for MC09 production, released 19th May 2009)

Based on Rec v6r5, with the following new tags

Package	User tag	Suggested official tag	Comment
Tf/PatAlgorithms	v3r19	v3r19	prevent from overwriting selected hits flags in PatForward. Fixes production crashes
	smenzeme_20090512	v3r20	Use scale factor from magnetic field service in PatAddTTCoord
Tf/TrackMatching	v2r21p2	v2r21p2	In TrackMatchveloSeed, change default for OmitSeedFitOutliers switch to false

Boole v18r0 (Released 14th April 2009)

Based on Boole v17r3 but using Lbcom v6r27, LHCb v26r3, and the following new tags

Package	User tag	Suggested official tag	Comment
Digi/Boole	cattanem_20090306		Follow changes in L0DU

	cattanem_20090401		Remove addition of Spillover, now done in Gauss. remove DC06 support
Digi/DigiAlg	cattanem_20090306	v4r16	Add to BooleInit capability to print event time
	cattanem_20090406		Add algorithm to filter primary vertices
Muon/MuonAlgs	cattanem_20090401	v6r8	Add SpilloverPathsSize option, replaces access to MergeEventAlg
			Add counter to detect hits not belonging to a gap
Muon/MuonBackground	cattanem_20090401	v2r9	Add SpilloverPathsSize option, replaces access to MergeEventAlg

Boole v18r1 (Bug fixes for MC09 production, released 19th May 2009)

Based on Boole v18r0 and the following new tags

Package	User tag	Suggested official tag	Comment
OT/OTSimulation	janos_20090427	v4r2	Sort according to drift time and channel

Brunel v34r3 (Released 14th April 2009)

Based on Brunel v34r2 but using Rec v6r3, Lbcom v6r27, LHCb v26r3, and the following new tags

Package	User tag	Suggested official tag	Comment
Rec/Brunel	cattanem_20090304	v34r3	Fix FSR handling

Brunel v34r4 (Bug fixes for MC09 production, released 21st April 2009)

Based on Brunel v34r3 with the following new tags

Package	User tag	Suggested official tag	Comment
Rec/Brunel	cattanem_20090414	v34r4	fix valgrind.job for new LbLogin environment

Brunel v34r5 (Bug fixes for MC09 production, released 24th April 2009)

Same as Brunel v34r4 but using Rec v6r5

Brunel v34r6 (Bug fixes for MC09 production, released 19th May 2009)

Same as Brunel v34r5 but using Rec v6r6

Brunel v34r7 (Fixes for MC09 production, released 28th May 2009)

Based on Brunel v34r6, with the following new tags

Package	User tag	Suggested official tag	Comment
Rec/Brunel		v34r7	Add XDST dst type
GaudiConf		v12r3	Add XDST dst type to DstConf()
Tf/PatAlgorithms		v3r21	make sure that no hits are rejected in the internal fit in the fit initialization tool

DecFiles v17r0 (Released 6th April 2009)

Based on v16r1 and the additional decays

Decay	Event type	Reference Tag	Comment
Bd_K+Z4430-,psi2Spi,mm	11144020	Inicolas_20090213	add decay & fix bugs
Bd_K+Z4430-,psi2Spi,mm=DecProdCut	11144021	Inicolas_20090213	add decay
DECAY.DEC		robbep_20090226	Remove VSS_BMIX model for Upsilon(4S) decay
Bu_KX3872,Jpsipipi,mm	12145010	Inicolas_20090311	Add decay
Bu_KX38721++,Jpsirho,mm=helamp	12145001	Inicolas_20090311	Add decay
Bu_KX38722-,Jpsirho,mm=helampls	12145002	Inicolas_20090311	Add decay
DECAY.DEC		robbep_20090315	For Mark Whitehead: Update to PDG2008

DecFiles v18r0 (Fixes and new features for MC09, released 28th May 2009)

Based on v17r0 and the additional decays

Decay	Event type	Reference Tag	Comment
Bu_KX38722-,Jpsirho,mm=helamp	12145002	Inicolas_20090406	Changed decay file to use helamp model
Bs_K-pi+pi0	13202400	robbep_20090409	New decay file
Bs_K-pi+pi0=DecProdCut	13202401	robbep_20090409	New decay file
Bs_KSpi+pi-	13204100	robbep_20090409	New decay file
Bs_KSpi+pi-=DecProdCut	13204100	robbep_20090409	New decay file
Bu_KX38722-,Jpsirho,mm=helamp	12145002	Inicolas_20090417	Changed decay file to use STS model in decay of the B
incl_X38721++,Jpsirho,mm=DecProdCut	28144011	robbep_20090423	Add inclusive X(3872)
DECAY.DEC		mwhitehe_20090525	mixing parameters updated
create_options.py		gcorti_20090526	printing frequency for MIB events reduced

DecFiles v18r1 (new features for MC09, released 10th June 2009)

Based on v18r0 and the additional/modified decays

Decay	Event type	Reference Tag	Comment
Bu_D0K,KSpi+pi0=DecProdCut	12165501	robbep_20090609	New from Loic Esteve
Bs_Jpsiphi,mm=NoCPV,DecProdCut	13144005		New for MC09 by PPG request
BRpVNeutralino_m0200_m12200_nubbbar	46000011		New SUSY from Neal Gueissaz, will require new version of Gauss
BRpVNeutralino_m0200_m12200_numu+mu-	46000012		New SUSY from Neal Gueissaz
BRpVNeutralino_m0200_m12200_lqq	46000012		New SUSY from Neal Gueissaz, also other SUSY modified as options changed
Bd_Dstmunu,Kpi=cocktail,D0muInAcc	11874001		

			Update BR with PDG2008, can keep v18r1 as no events produced yet
Dst_D0pi,hh	27363000		Update BR with PDG2008, can keep v18r1 as no events produced yet

DecFiles v18r2 (new decays for MC09, released 22nd July 2009)

Based on v18r1 and the additional/modified decays

Decay	Event type	Reference Tag	Comment
Bd_D0Kpi,hh=DecProdCut	11364011	robbep_20090612	
DrellYan_mumu=5GeV	42112012	robbep_20090612	
W_tautautau	42300000	robbep_20090612	
Z_tautau	42100000	robbep_20090612	
Bu_phiK=DecProdCut	12103014	robbep_20090615	
Bu_phipi=DecProdCut	12103034	robbep_20090615	
DECAY.DEC		robbep_20090626	Removed f0 -> KK decays
Bu_KX3872,Jpsipipi,mm=DecProdCut	12145011	robbep_20090626	
Bu_KX38721+.,Jpsirho,mm=helamp,DecProdCut	12145003	robbep_20090626	
Bu_KX38722-.,Jpsirho,mm=helamp,DecProdCut	12145004	robbep_20090626	
incl_Upsilon5S,Upsilonpipi=DecProdCut	18114041	robbep_20090626	
incl_Upsilon5S,Upsilonrho=DecProdCut	18114042	robbep_20090626	
Lb_JpsiLambda,mm=phsp,DecProdCut	15144103	robbep_20090626	
Bu_hcK,phif0980,KK=DecProdCut	12135000	robbep_20090626	
Bu_hcK,phif0980,pipi=DecProdCut	12135001	robbep_20090626	
Bu_hcK,phif0500,KK=DecProdCut	12135010	robbep_20090626	
Bu_hcK,etacgamma,phiphi,KK=DecProdCut	12135200	robbep_20090626	
Bu_D0munu,Kpi=cocktail	12873000	robbep_20090701	Correct BR
Bu_D0munu,Kpi=cocktail,D0muInAcc	12873001	robbep_20090701	Correct BR
Dst_D0pi,pipi=DecProdCut	27163001	robbep_20090707	
D+_pi+mumu=DecProdCut	21113000	robbep_20090710	
Dst_D0pi,KKpipi=DecProdCut	27165000	robbep_20090710	
Dst_D0pi,gammagamma=DecProdCut	27161200	robbep_20090710	
Dst_D0pi,mue=DecProdCut	27183000	robbep_20090710	
Dst_D0pi,mumu=DecProdCut	27173002	robbep_20090710	
Dst_D0pi,piopi0=DecProdCut	27161400	robbep_20090710	
SwitchOffAllPythiaProcesses.opts	N/A	gcorti_20090720	include units for Gauss v37r3 compatibility

DecFiles v18r3 (new decays for MC09, released 19 August 2009)

Based on v18r2 and the additional/modified decays

Decay	Event type	Reference Tag	Comment
Susy and Higgs (+background)			see release.notes
Bu_JpsiK,ee=DecProdCut	12153001	pkoppenb_20090723	
Bu_Dst0X,2body	12462600	robbep_20090728	
Bd_Dst0X,2body	11462600	robbep_20090728	
Bd_mumu=DecProdCut	11112001	robbep_20090729	

Bd_D0Kst,Kpipi0	11264400	robbep_20090803	
Bd_D0Kst,Kpipi0=DecProdCut	11264401	robbep_20090803	
Bd_D0Kst,Kpipipi	11266000	robbep_20090803	
Bd_D0Kst,Kpipipi=DecProdCut	11266001	robbep_20090803	
incl_Upsilon,ee=DecProdCut	18122001	robbep_20090804	
D+_K+K-pi+=phsp,DecProdCut	21163000	robbep_20090806	
D+_K+K-pi+=res,DecProdCut	21263000	robbe_20090806	
Dst_D0pi,hh=DecProdCut	27363001	robbep_20090806	
Dst_D0pi,KSKK=DecProdCut	27165101	robbep_20090806	
Dst_D0pi,KSKpi=DecProdCut	27365100	robbep_20090806	
Dst_D0pi,KSpi=DecProdCut	27165100	robbep_20090806	
Dst_D0pi,KSpi=res,DecProdCut	27265100	robbep_20090806	
hc_etacgamma,phiphi,KK=DecProdCut	28134220	robbep_20090807	
hc_phif01500,KK=DecProdCut	28134025	robbep_20090807	
hc_phif0980,KK=DecProdCut	28134020	robbep_20090807	
hc_phif0980,pipi=DecProdCut	28134021	robbep_20090807	
hc_phif21525,KK=DecProdCut	28134026	robbep_20090807	
Bu_phiX	12902000	robbep_20090812	Correct existing decay file
DECAY.DEC		robbep_20090818	Add missing Upsilon aliases
Lc_pKpi=DecProdCut	25103000	robbep_20090818	

DecFiles v18r4 (new decays for MC09, released 3rd September 2009)

Based on v18r3 and the additional/modified decays:

Decay	Event type	Reference Tag	Comment
Bd_D0Kpi,hh=DecProdCut	11364011	gcorti_20090821	fix mistyping
Bd_Kstee,phsp	11124002	gcorti_20090821	event types from Nicola Serra
Bd_Kstee,phsp=DecProdCut	11124003	gcorti_20090821	event types from Nicola Serra
Bd_Kstmumu,phsp	11114002	gcorti_20090821	event types from Nicola Serra
Bd_Kstmumu,phsp=DecProdCut	11114003	gcorti_20090821	event types from Nicola Serra
Bu_psi2SK,Jpsipipi,mm=DecProdCut	12145020	robbep_20090821	
DrellYan_mumu=2GeV	42112010	robbep_20090901	Fix pt cut
DrellYan_mumu=5GeV	42112011	robbep_20090901	Fix pt cut
DrellYan_mumu=10GeV	42112012	robbep_20090901	Fix pt cut
Bu_phiX.dec	12902000	rogers_20090903	Fixed to run with new EvtGen

DecFiles v19r0 (new decays for MC09, released 18th September 2009)

Based on v18r4 and the additional/modified decays :

Decay	Event type	Reference Tag	Comment
JpsiX,ee=JpsiInAcc	11952000	robbep_20090903	
JpsiX,ee=JpsiInAcc	12952000	robbep_20090903	
JpsiX,ee=JpsiInAcc	13952000	robbep_20090903	
create_options.py	particle guns and MIBs	gcorti_20090916	options are now compatible with Gauss v37r4 configurable
		gcorti_20090916	allows "." in name of decfiles for automatic generation of options
minbias=DiMuon,Both,p3GeV	30012004	tblake_20090909	For generating dimuon events (with $p > 3\text{GeV}/c$) from min bias with

			same and opposite sign combinations
incl_b=DiMuon,Both,p3GeV	10012004	tblake_20090909	For generating dimuon events (with $p > 3\text{GeV}/c$) from incl_b decays with same and opposite sign combinations
incl_b=DiMuon,Both,p3GeV,m4.7GeV	10012005	tblake_20090916	As 10012004 but with additional mass ($m > 4.7\text{GeV}$) requirement on the muon pair

DecFiles v19r1 (new decays for MC09, released 6th October 2009)

Based on v19r0 and the additional/modified decays

Event type	Nick name	User tag	Comment
40911008	Higgs_bb=mH130GeV,only1,10GeV.dec	ngueissa_20091005	
42921002	WZ_Inul,mumu.dec	ngueissa_20091005	
42912002	ZZ_bb,bb.dec	ngueissa_20091005	
28132020	hc_pp=DecProdCut	robbep_20090927	
28144011	incl_X38721++,Jpsirho,mm=DecProdCut	robbep_20090927	Speed up generation time
13204101	Bs_KSpi+pi-=DecProdCut	robbep_20090930	Fix generator level cuts
13144006	Bs_Jpsiphi,mm=LargeCPV,DecProdCut	robbep_20091001	
21163010	D+_pi+pi-pi+=phsp,DecProdCut	robbep_20091001	

DecFiles v19r2 (new decays for MC09, released 12th October 2009)

Based on v19r1 and the additional/modified decays

Event type	Nick name	User tag	Comment
12165122	Bu_D0pi,KSpi=DecProdCut	robbep_20091005	
12165123	Bu_D0pi,KSpi=CPV,DecProdCut	robbep_20091005	
14543001	Bc_Jpsimunu,mm=DiLeptonInAcc	jhe_20091006	
14543002	Bc_Jpsimunu,mm=BcVegPy,DecProdCut	jhe_20091008	

DecFiles v20r0 (new decays for MC09, released 30th October 2009)

Was foreseen as v19r3, increased major version because of changes in create_options.py in generation method for Di-Muon from inclusive b

Based on v19r2 and the additional/modified decays

Event type	Nick name	User tag	Comment
HidValleyH	options	marcin_20091020	Updated HidValley options
13164011	Bs_DsK,pipipi=DecProdCut	robbep_20091019	
13164021	Bs_DsK,Kpipi=DecProdCut	robbep_20091019	
13164031	Bs_Dspi,pipipi=DecProdCut	robbep_20091019	
13164041	Bs_Dspi,Kpipi=DecProdCut	robbep_20091019	
32113000	Sigma_pmumu	robbep_20091019	
32123000	Sigma_pee	robbep_20091019	
11114021	Bd_rhomumu=btosllball,DecProdCut	robbep_20091021	

12113021	Bu_pimumu=btosllball,DecProdCut	robbep_20091021	
create_options.py	create_options.py	tblake_20091020	Update for Repeat Decay / Di-Muon
11874011	Bd_Dstmunu,KKpi=cocktail,DmuInAcc.dec	rlambert_20091029	

DecFiles v20r1 (new decays for MC09, released 20th November 2009)

Based on v20r0 and the additional/modified decays

Event type	Nick name	User tag	Comment
27265101	Dst_D0pi,KSKK=res,DecProdCut	robbep_20091105	
42912002	ZZ_bb,bb.dec	ngueissa_20091109	
40911009	Higgs_bb=mH115GeV,onlyl.dec	ngueissa_20091109	
40911001	Higgs_bb=mH115GeV,onlyl,10GeV.dec	ngueissa_20091109	
10022000	incl_b=DiElectron,pt1GeV,m6GeV	pkoppenb_20091113	For B->eeK background
10022010	incl_b=DiElectron,pt300MeV,m1GeV	pkoppenb_20091113	For Marie-Hélène Schune
10012006	incl_b=DiMuon,p3GeV,mD	pkoppenb_20091113	For Walter Bonivento
30022000	minbias=DiElectron,pt1GeV,m6GeV	pkoppenb_20091113	For B->eeK background
30022010	minbias=DiElectron,pt300MeV,m1GeV	pkoppenb_20091113	For Marie-Hélène Schune

DecFiles v20r2 (new decays for MC09, released 3rd December 2009)

Based on v20r1 and the additional/modified decays

Event type	Nick name	User tag	Comment
11144102	Bd_JpsiKS,mm=CPV	mwhitehe_20091125	Corrected sign of Afbar and arg(q/p)
16145150	Omegab_JpsiOmega,mm,Lambdapi	robbep_20091125	
16145130	Xib_JpsiXi,mm,Lambdapi	robbep_20091125	
	create_options.py	robbep_20091125	Add rules for b baryons generation
	DECAY.DEC	robbep_20091125	Add baryon signal aliases
42122012	DrellYan_ee=5GeV	robbep_20091125	
42122000	Z_ee	robbep_20091125	update Pythia options
13102400	Bs_rho+K-	robbep_20091127	
13102401	Bs_rho+K-=DecProdCut	robbep_20091127	

DecFiles v20r3 (new decays for MC09, released 22nd January 2010)

Based on v20r2 and the additional/modified decays

Event type/options	Nick name	User tag	Comment
27175000	Dst_D0pi,KKmumu=DecProdCut	robbep_20091215	
13436000	Bs_chic0phi=DecProdCut	5692	
BeamGasVelo.opts		5762	extend from +/-1.5m to +/-2m

DecFiles v20r4 (new decays for MC09, released 19th February 2010)

Based on v20r3 and the additional/modified decays

Event type	Nick name	SVN tag	Comment
33102100	incl_Lambda,ppi	5832	
13512001	Bs_Kmunu=DecProdCut	5864	

13302401	Bs_Ksth=cocktail,DecProdCut	5865	
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Gauss v37r0 (Released 9th April 2009)

Based on Gauss v36r2, with the following new tags

Package	User tag	Suggested official tag	Comment
Gen/EvtGen	robbep_20090226	v10r3	Fix bug affecting Upsilon -> e+e- decay
	robbep_20090328	v11r0	Introduce changes from Anders Rys for new EvtGen
	robbep_20090402		Fix problem with Pythia version reintroducing LHCb code
Gen/EvtGenExtras	robbep_20090316	v2r0	Changes for new EvtGen
Gen/Generators	robbep_20090226	v9r4	Add new cut tool for Upsilon generation
	robbep_20090302		Move to IO_GenEvent HepMC method for input files
Gen/LbHijing	robbep_20090226	v5r0	Fix beam particles for Hijing
	robbep_20090227		Add RLU function to override it
	robbep_20090304		Set RAN as double precision
	robbep_20090306		Move random functions to GENSER
	robbep_20090311		Fix mass units from Hijing
Gen/GENSER	robbep_20090304	v5r1	Rename xsection.F because of BcVegPy
	robbep_20090306		Move HIJING functions here
Sim/GaussKine	robbep_20090304	v3r4	Fix for skipGeant4 option
	robbep_20090326		Changes for spill over generation
Sim/GaussAlgs	robbep_20090326	v3r4	Changes for spill over generation
Sim/GaussCalo	robbep_20090326	v9r3	Changes for spill over generation
Sim/GaussMonitor	robbep_20090326	v6r3	Changes for spill over generation
Sim/GaussRICH	seaso_20090320	v9r4	Changes to switch off RICH simulation
	robbep_20090326		Changes for spill over generation
Sim/GaussTracker	robbep_20090326	v6r2	Changes for spill over generation
Sim/GaussTools	gcorti_20090306	v15r2	More details G4 tracking debugging
	gcorti_20090405		Fix pingpong, hence jobs getting stuck
Calo/CaloMoniSim	robbep_20090326	v3r2	Changes for spill over generation
Muon/MuonMoniSim	robbep_20090326	v2r4	Changes for spill over generation
Velo/VeloGauss	robbep_20090326	v2r4	Changes for spill over generation
Vis/XmlVis	gcorti_20090326	v1r11	Changes for beam pipe supports
Sim/SimChecks	silviam_20090401	v1r0	First version of scripts for production Sim validation
Gen/LbMIB	mlieng_20090401	v3r2	Time correlation tool added
Gen/ParticleGuns	gcorti_20090403	v6r3	Fix for bug of veretx smearing only with use of decaytool

Gauss v37r1 (Fixes and new features for MC09 production, released 29th May 2009)

Based on Gauss v37r0, with the following new tags

Package	User tag	Suggested official tag	Comment
Gen/EvtGen	mwhitehe_20090525	v11r1	EvtCPUUtil mixing routine updated

Gen/Generators	robbep_20090423	v10r1	upsilon from higher masses states
Gen/LbBcVegPy	robbep_20090304	v2r0p1	misspelling for dll in options
	gcorti_20090526	v2r1	commands added instead of set
Gen/LbMIB	mlieng_20090505	v3r3	changes for root initial files
Muon/MuonMoniSim	svecchi_20090430	v2r5	checks for multiple scattering
Sim/GaussMonitor	svecchi_20090430	v6r4	monitor of steps
Sim/GaussRICH	seaso_20090426	v9r4p1	remove redundant printout
Sim/GaussTools	gcorti_20090526	v15r3	protection for zero step particles
Sim/Gauss	silviam_20090526	v37r1	QMTTests included
GaussSys	silviam_20090526	v37r1	QMTTests included

Gauss v37r2 (Fixes for MC09 production, released 3rd June 2009)

Based on Gauss v37r1, with the following new tags

Package	User tag	Suggested official tag	Comment
Sim/Gauss	gcorti_20090602	v37r2	Remove Gauss-2008.py
	gcorti_20090603	v37r2	Latest tags in options from AppConfig
Gen/EvtGen	robbep_20090603	v11r2	Fix mixing for B aliases

Gauss v37r3 (New features for MC09 production, released 22nd July 2009)

Requires AppConfig v3r0

Based on Gauss v37r2, with the following new tags

Package	User tag	Suggested official tag	Comment
GaussSys	silviam_20090624	v37r3	QMTTest gaussys updated
Gen/EvtGen	gcowan_20090713	v11r3	Update of PVV_CPLH model
Gen/Generators	gcorti_20090615	v10r1p1	fix compilation warning in nightlies
	robbep_20090619	v10r2	re-activates computation of total branching fraction of signal
Muon/MuonMoniSim	gcorti_20090615	v2r5p1	fix compilation warning in nightlies
Sim/Gauss	silviam_20090624	v37r3	QMTTest gen-only for different signal samples added
	gcorti_20090720	New Gauss() configurable and adaptation of options to it	
Sim/GaussRICH	seaso_20090703	v9r4p2	fix compilation warning in nightlies for unused variables
Sim/GaussPhysics	robbep_20090703	v6r3	Add Neutralino2 definition
Sim/GaussTracker	gcorti_20090610	v6r2p1	fix compilation warning in nightlies
Sim/GiGaCnv	gcorti_20090610	v18r6p1	fix compilation warning in nightlies

Gauss v37r4 (New feature for MC09 production, released 20th Sep 2009)

* Requires DecFiles v19r0*

Based on Gauss v37r3p1, with the following new tags

Package	User tag	Suggested official tag	Comment
Gen/EvtGen	robbep_20090814	v11r4	Reactivates direct CPV model
	robbep_20090903	v11r4	Bug fix for B -> X ll generation
Gen/Generators	tblake_20090909	v10r3	Update to DiLepton in acceptance
Gen/GenTests	none	v1r4	move to python options
Gen/LbPythia	robbep_20090814	v8r4	Changes for LSP generation (Neal Gauvin)
Gen/LbMIB	mlieng_20090825	v3r4	Fixed timing and linear read bug. Added timeOfFile option
	gcorti_20090918	v3r4	Adapt to Gauss() in v30r4, to allow reactivating this package
	mlieng_20090922	v3r4	Fixed timing
Gen/ParticleGuns	jonrob_20090715	v7r1	Update the cosmic tool to allow generation of RICH1 cosmics triggered by the new scintillator trigger
Gen/ParticleGuns	manca_20090902	v7r1	Updated cosmic-gun with the correct muon angular distribution. Updated the options file to allow horizontal tracks
Gen/LbPGuns	gcorti	v1r0	Rename of ParticleGuns package to be consistent in production system
Gen/LbPythia	ngueissa_20090805	v8r4	Changes for SUSY
	gcorti_20090918	v8r4	Add empty Pythia.py for production system future standardization
Sim/Gauss	silviam_20090914	v37r4	script GaussStat.py to produce statistics tables was added inside the newly created scripts directory
Sim/Gauss	gcorti_20090918	v37r4	use new decfiles v19, new options in Gauss(), new or modified python options
GaussSys	gcorti_20090918	v37r4	use new packages

Gauss v37r5 (New features for MC09 production, released 6th October 2009)

* Requires BcVegPyData v2r0*

Based on Gauss v37r4, with the following new tags

Package	User tag	Suggested official tag	Comment
AppConfig	tskwarni_20091002	v3r8	Upgrade MC options
Sim/Gauss	tskwarni_20091002	v37r5	Upgrade MC options
BcVegPyData	v2r0	v2r0	First import of BcVegPyData in CVS
Gen/BcVegPy	jhe_20091001	v2r0	Version to use Cteq6LL in LHAPDF
Gen/EvtGen	robbep_20090919	v11r5	Corrections to Lambda_b -> Lambda Vector model
Gen/EvtGenExtras	robbep_20090919	v2r1	Add models for B->Xll (MS model)
Gen/Generators	jhe_20091002	v10r4	

			Correct the Initialize/Finalize (mis)balance for UpsilonDaughtersInLHCb
Gen/GENSER	robbep_20090928	v5r2	Change call to BCVEGPY Upinit function
	gcorti_20091005	v5r2	change version of pythia8 from 107.2 to 107 for hepmc version
Gen/LbBcVegPy	jhe_20091002	v3r0	Correct the Initialize/Finalize (mis)balance of BcDaughtersInLHCb
Gen/LbMIB	mlieng_20090922	v3r5	Fix time correlation tool
Gen/LbPGuns	gcorti_20091005	v1r1	Fix options for sequencing with Gauss config
Gen/LbPythia	ngueissa_20091005	v8r5	
Det/DDDB	tskwarni_20090920	v1r22	Add Upgrade MC tags
Sim/Gauss	jhe_20091001	v37r5	Update BcVegPyData version
GaussSys	gcorti_20091005 { v37r5	Fix packages and include Det/DDDB	

Gauss v37r6 (New features for MC09 production, released 20th November 2009)

* Requires MIBData v3r0*

Based on Gauss v37r5, with the following new tags

Package	User tag	Suggested official tag	Comment
Gen/LbHidValley	marcin_20091020	v2r2	Fixes to run with new Gauss
Sim/GaussPhysics	marcin_20091020	v6r4	Add Hidden Valley pion
Gen/LbMIB	mlieng_20091008	v3r6	Fixed Beam 2 timing issue
	mlieng_20091102	v4r0	Removal of CollimatorSource and related files
	mlieng_20091103	v4r0	Small modification in MIB-Example
Gen/EvtGen	robbep_20091019	v11r6	Fixed gcc4.3 compilation errors
Gen/EvtGenExtras	robbep_20091019	v2r2	Fixed gcc4.3 compilation errors
Gen/Generators	robbep_20091022	v10r5	Fix for gcc4.3 compilation and add Sigma+ generation possibility
Gen/LbPythia	robbep_20091022	v8r6	Fix for gcc4.3 compilation
	ngueissa_20091109_2	v8r6	PythiaHiggsType as a full event cut tool
Gen/LbPGuns	mlieng_20091029	v1r2	Added BeamShape tool
	mlieng_20091104	v1r2	Changed opts-options to py-options
Bls/BlsMoniSim	vtalanov_20091030	v1r0	First version of monitoring for BLS
Sim/Gauss	gcorti_20091113	v37r6	Use of MIBData v3r0 and DecFiles v20r*
GaussSys	gcorti_20091113	v37r6	All package versions above

Gauss v37r6p1 (Fix deployment of v37r6 outside cern for MC09 production. Released 4th December 2009)

Based on Gauss v37r6, with the following new tags.

Package	User tag	Suggested official tag	Comment
Gen/LbHidValley	gcorti_20091201	v2r3	Clean up obsolete options and put empty new one for production

Gauss v37r7 (New features for MC09 production. Released 14th January 2010)

Based on Gauss v37r6p1, with the following new tags

Package	User tag	Suggested official tag	Comment
Gen/EvtGen	mwhitehe_20091127	v11r7	Fixed EvtIncoherentMixing.cpp for slc5
Gen/EvtGen	mwhitehe_20091125	v11r7	Fixed EvtSSDCP.cpp decay Model
Gen/Generators	robbep_20091203	v10r6	Fix ExternalGenerator to allow pre-decay of light excited states in case of Sigma generation
Gen/EvtGen	mwhitehe_20091217	v11r7	CPV fix moved to EvtCPUUtil::OtherB from EvtIncoherentMixing::OtherB
Sim/GiGa	marcocle_20091217	v19r6	Fix to bug #60331 ↗

Gauss v37r8 (New features for MC09 production. Released 26th January 2010)

Based on Gauss v37r7, with the following new tags

Package	User tag	Suggested official tag	Comment
Gen/EvtGen	robbep_20100122	v11r8	Correct bug in B -> 3 pi generation
	robbep_20100126	v11r8	Reactivates Direct CPV

-- MarcoCattaneo - 09 Mar 2009

This topic: LHCb > LHCb_v26r3_Releases

Topic revision: r38 - 2010-05-12 - GloriaCorti



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