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# Releases based on LHCb v26r0 (and Gaudi v20r3, LCG\_55b)

This page documents releases based on LHCb v26r0. **Do not edit**, the content of these releases is frozen.

## LHCb v26r0 (Released on 21st November 2008)

Based on LHCb v25r2, with the following new tags

Package	User tag	Suggested official tag	Comment
Calo/CaloDAQ	odescham_20081028	v4r8	new algo and tool
	cattanem_20081028		fixes for gcc 4.3 compilation
Calo/CaloKernel	cattanem_20081028	v5r2	fixes for gcc 4.3 compilation
Calo/CaloUtils	cattanem_20081029	v8r3	fixes for gcc 4.3 compilation
DAQ/MDF	cattanem_20081028	v3r13p1	fixes for gcc 4.3 compilation
	v3r14	v3r14	tagged for ONLINE_vvr17 release
DAQ/Tell1Kernel	szumlat_20081017	v1r6	Adapt to interface change in the tell1lib
Det/BcmDet	cattanem_20081028	v1r2	fixes for gcc 4.3 compilation
Det/CaloDet	v10r0p1	v10r0p1	add a missing include
Det/DDDB	marcocle_20081106	v1r13	ConfigurableUser for the detector description
	cattanem_20081111		Improve warning printout
	cattanem_20081114		Add loading of HepMCBack Dll for DC06 data, get particle properties from CondDB
Det/DetCond	marcocle_20081010	v12r4	Fix requirements to follow change in Persistency interface package
	cattanem_20081031		fix for gcc 4.3 compilation
	marcocle_20081106		ConfigurableUser for the conditions database
	cattanem_20081114		Set up VFSSvc
	cattanem_20081117		Fix dependencies for configurable
Det/DetDesc	cattanem_20081024	v18r9p1	add link to libGenVertex for ROOT_GE_5_19
	cattanem_20081027		clean up includes in DetectorElement.h
	cattanem_20081028	v18r10	fixes for gcc 4.3 compilation
	cattanem_20081104		add a missing dictionary instantiation
Det/DetDescChecks	cattanem_20081117	v4r10	Move LoadDDDB to DetCond
Det/DetDescCnv	cattanem_20081028	v4r7p1	fixes for gcc 4.3 compilation
Det/DetDescSvc	cattanem_20081029	v2r1p1	fixes for gcc 4.3 compilation
Det/Magnet	cattanem_20081028	v5r1p2	fixes for gcc 4.3 compilation
Det/MuonDet	cattanem_20081022	v8r4	fixes for next genreflex
	cattanem_20081028		fixes for gcc 4.3 compilation
	wouter_20081014	v8r2	added accessor to straw t0 vector
Det/OTDet	cattanem_20081022		fixes for new genreflex
	janos_20081023		fix inefficient region around y=0 in F-modules
	wouter_20081024		bug fix in creation of table in rt-relation
	cattanem_20081028		fixes for gcc 4.3 compilation
	cattanem_20081022	v11r3	fixes for next genreflex
Det/RichDet	cattanem_20081022	v11r3	fixes for next genreflex
	cattanem_20081028		fixes for gcc 4.3 compilation
Det/STDet	cattanem_20081022	v4r6	fixes for next genreflex
	mneedham_20081024		bug fix in findSectors, add missing entries in

			StatusMap
	mneedham_20081026		improve print functions
	cattanem_20081028		fixes for gcc 4.3 compilation
	mneedham_20081105		change findSector to const, add middleSensor method
Det/VeloDet	cattanem_20081028	v13r4	fixes for gcc 4.3 compilation
	marcocle_20081110	fix for QMTest	
Event/DAQEvent	odescham_20081028	v7r16	new filter algorithm + add L0PUFull and L0PUError banks (Marco)
	v7r15p1		add missing dependency in requirements
	cattanem_20081016		update QMTest reference for Gaudi v20r3
	cattanem_20081028		fixes for gcc 4.3 compilation
Event/DigiEvent	mneedham_20081011	v2r10	Add functionality to ST event model classes
	mneedham_20081103		Improvement to fill stream methods
Event/EventAssoc	vanya_20081102	v4r5	regenerate dict/selection.* files using modified Kernel/Relations
Event/EventPacker	v1r0	v1r0	New package for packing event classes into packed event
Event/L0Event	cattanem_20081106	v17r3	Fix a wrong comparison
Event/MCEvent	robbep_20081104	v2r10	Add 3 new vertex types of MCVertex
Event/PackedEvent	callot_20081117	v3r4	Add classes for packed DST
Event/RecEvent	cattanem_20081106	v2r17	Fixes for gcc 3.4
	callot_20081117		Fix reference to TrackInfo in VertexBase
Event/TrackEvent	wouter_20081021	v4r16	protect Track::probChi2 again ndof =0, fix Track::nMeasurementsRemoved
	mneedham_20081024		add enum to string conversions, add constructors
	mneedham_20081105		add ST lite measurement types to enum
Ex/DetDescExample	cattanem_20081028	v7r7p1	add missing includes
Ex/DetCondExample	marcocle_20081103	v11r5	adapted to COOL 2.6.0
Ex/IOExample	cattanem_20081016	v2r6	update QMTest references for Gaudi v20r3
	cattanem_20081031		Follow fix to HepMCBack
	cattanem_20081106		Update reference files for changes in GaudiAlgorithm
GaudiConf	cattanem_20081016	v10r14	remove gaudirun.py to pick up Gaudi version again
	jonrob_20081030		Replace DecodeRawEvent.opts with DecodeRawEvent.py
	cattanem_20081031		Follow fix to HepMCBack
	cattanem_20081112	v11r0	Update Configurable for Gaudi v20r3
	cattanem_20081114		Capitalize names of all options of Configurable
GaudiObjDesc	marcocle_20081112	v11r6	Modified the way destination directories are created
Gen/HepMCBack	cattanem_20081031	v1r1	Fix spurious warning when HepMCBack correctly loaded
Kernel/LHCbAlgs	pkoppenb_20081029	v2r22	AlgorithmsCorrelations : Fix gcc 3.4 warnings. Change some variable names.
	cattanem_20081030		More fixes for gcc 3.4
	pkoppenb_20081104		Protect debug ()
	cattanem_20081113		Fix untested StatusCode in LHCbAlgs
Kernel/LHCbKernel	jonrob_20081017	v9r3	

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			Make FastAllocVector respect the GOD_NOALLOC flag to turn off custom memory allocators
	jonrob_20081022		Fix for bug <a href="https://savannah.cern.ch/bugs/index.php?43179">https://savannah.cern.ch/bugs/index.php?43179</a>
	cattanem_20081027		Fixes for gcc 4.3 compilation
	cattanem_20081111	v10r0	Update Configurable for Gaudi v20r3
	jonrob_20081115		Fixes to configurable for Gaudi v20r3
Kernel/LHCbMath	vanya_20081001	v3r4	LHCb::Math::equal_to_int : fix the Win32 error 'integral constant overflow'
	cattanem_20081022		add -no_auto_imports to use GaudiPython
	cattanem_20081024		add link to libGenVertex for ROOT_GE_5_19
	vanya_20081108		add the efficient equality comparison for the floating point numbers
Kernel/Relations	vanya_20081031	v5r5	fix for gcc43 compilation
	vanya_20081101		add the method "merge" and its shortcut "operator+=" for each table
	vanya_20081102		more fixes for various compiler versions
L0/ProcessorKernel	cattanem_20081028	v5r3	fixes for gcc 4.3 compilation
	jucogan_20081107		add documentation
L0/L0MuonKernel	jucogan_20081107	v8r4	add documentation + remove the setting of pt encoding parameters
Muon/MuonDAQ	asatta_20082023	v4r5	add readoutbankstatus
	asatta_200820271		set the Real data format as default ( was DC06)
	cattanem_20081106		Fixes for gcc 3.4
OT/OTDAQ	jonrob_20081021	v7r3	Suppress some warnings using GaudiAlg Warning(...) method
	cattanem_20081028		fixes for gcc 4.3 compilation
Phys/DaVinciKernel	tskwarni_20081114	v7r1	cleanup of ITriggerTisTos tool interface; on top of many changes to other parts by Juan
Phys/DaVinciMCKernel	cattanem_20081106	v2r11p1	fixes for gcc 4.3 compilation
Phys/LoKi	vanya_20081102	v8r0	remove the library
Phys/LoKiAlgo	vanya_20081102	v8r0	fixes for various compilers
Phys/LoKiAlgoMC	vanya_20081102	v8r0	fixes for various compilers
Phys/LoKiCore	vanya_20081003	v7r9	add "binary-switch-functor" into the dictionary
	vanya_20081012		trim the python code strings and remove paired quotes (important for HLT)
	vanya_20081019	v8r0	"Algorithms"-functors, "void"-functors, "CoreFactory", "VoidFilter"-algorithm & many other new stuff, driven by HLT requests
	vanya_20081031		fixes for strange behaviour of Reflex in LCG-preview
	cattanem_20081024		Fix for genreflex
	cattanem_20081027		Fixes for gcc 4.3 compilation
	vanya_20081029		fixes for gcc43 compilation
	vanya_20081102		fixes for various configurations
	vanya_20081109		bug fix in LoKi::Decays::Tree_assignment
	vanya_20081111		bug fix in LoKi/BiFunctions.h
Phys/LoKiArrayFunctors	vanya_20081019	v8r0	Adaptation for new LoKiCore v8r0
	vanya_20081031		dirty fixes for strange behaviour of genreflex in LCG-preview

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	vanya_20081102		more fixes for various compilers
Phys/LoKiGen	vanya_20081019	v8r0	Adaptation for LoKiCore v8r0
	vanya_20081029		fixes for gcc43 compilation
	vanya_20081030		fixes for LCG-preview gcc3.4
	vanya_20081102		fixes for various compilers
Phys/LoKiGenMC	vanya_20081102	v8r0	fixes for various compilers
	vanya_20081103		resurrect & redesign LHCb::MCVertex -> LHCb::GenCollision relations
	vanya_20081104		replace options by configurable
Phys/LoKiHlt	vanya_20081102	v2r0	fixes for various compilers
Phys/LoKiMC	vanya_20081019	v8r0	Adaptation for new LoKiCore v8r0
	vanya_20081029		fixes for gcc43 compilation
	vanya_20081031		dirty fixes for strange behaviour of reflex in LCG-preview
	vanya_20081102		fixes for various configurations
Phys/LoKiNumbers	vanya_20081019	v8r0	Add the coherent treatment of 'void'-functors ("sources")
	vanya_20081029		fixes for gcc43 compilation
	vanya_20081102		fixes ...
Phys/LoKiPhys	vanya_20081013	v7r8	Add "WrongMass" functors: WM & WMASS
	vanya_20081019	v8r0	Adaptation to the new LoKiCore v8r0
	vanya_20081029		fixes for gcc43 compilation
	vanya_20081031		dirty fixes for the strange behaviour of reflex in LCG-preview
	vanya_20081102		fixes for various compilers
Phys/LoKiPhysMC	vanya_20081029	v8r0	fixes for gcc43 compilation
	vanya_20081102		more fixes for various compilers
	vanya_20081103		resurrect & redesign Primary vertices -> Monte Carlo Vertices & Generator Collisions relations
	vanya_20081104		replace options by configurable
Rich/RichKernel	jonrob_20081016	v7r18	Add new tool interface
	jonrob_20081017		Update requirements to properly use GOD_NOALLOC
	jonrob_20081021		Update python configuration for cosmic running
	cattanem_20081029		Fixes for gcc 4.3 compilation
	jonrob_20081029		Complete (?) gcc 4.3 fix
Rich/RichRecBase	jonrob_20081029	v3r18	fixes for gcc 4.3 warnings
	cattanem_20081117		Add component library for RichToolRegistry
Sim/SimComponents	cattanem_20081028	v2r14	fixes for gcc 4.3 compilation
	cattanem_20081114		Improve underflow protection
	cattanem_20081119		MCVertex and MCParticle packer/unpacker moved to EventPacker package
ST/STKernel	mneedham_20081014	v1r9	Add new base classes
	mneedham_20081014_2		bug fix in new base class
	mneedham_20081014_3		add setDetType method
	jluisier_20081016		add string conversion templates
	mneedham_2008106		add more functionality to base class
	mneedham_20081017		bug fix in base class related to retrieval of readout tool
	cattanem_20081023		add explicit dependency on GaudiAlg
	mneedham_2081029		fix in base class for gcc 4.3

	mneedham_2081105		make STTell1Board class methods more type safe
	cattanem_2081118		fix for compilation on Windows
Tf/TfKernel	cattanem_2081022	v2r9	fixes for next genreflex
	mneedham_2081107		add fillStream and shortcuts to STHit
Tf/TsaKernel	cattanem_2081028	v3r5	fixes for gcc 4.3 compilation
Tools/XMLTools	marcocle_2081029	v6r2	fix parser for Windows
	cattanem_2081030		fix for gcc 4.3 compilation
Tools/CondDBUI	marcocle_2081113	v2r14	fix in dump_db_to_files
	marcocle_2081114	v2r14	removed calls to obsolete methods
Tr/TrackInterfaces	dhcroft-2081016	v3r18	Added IPromoteClusters

## Lbcom v6r24 (Released on 24th November 2008)

Based on Lbcom v6r23, with the following new tags

Package	User tag	Suggested official tag	Comment
L0/L0Calo	robbep_2081031	v9r19	Adapt hadron candidate computation to what is done in the electronics
L0/L0DU	v8r11	v8r11	Fix a histogram
L0/L0Muon	jucogan_2081107	v8r3	Remove setting of pt encoding parameters
	cattanem_2081111		Fix untested StatusCode
	jucogan_2081113	v8r3	Minor fix to handle case where the L0Muon bank is not present
L0/L0MuonMonitor	cattanem_2081106	v1r3	Fixes for gcc 3.4, fix dependencies
	jucogan_2081107	v1r3	Improve comparison with muon and emulator
L0/PuVeto	cattanem_2081106	v7r3p1	Fixes for gcc 3.4
Rich/RichAlgorithms	jonrob_2081016	v1r0	New package. Some new components and some moved from other packages
Rich/RichDAQ	jonrob_2081017	v3r23	Move some components to other packages + extend RichSmartID tool
	jonrob_2081024		Remove all job options files
Rich/RichTools	jonrob_2081017	v2r23	New tool for adding random pixel backgrounds to the decoded data. Import some components from Rich/RichDAQ
	cattanem_2081117		Move RichToolRegistry to RichKernel
ST/STAlgorithms	mneedham_2081011	v3r2	changes in STEventMerge, add cluster to liteCluster convertor
	mneedham_2081014		move to new base classes
	mneedham_2081016		Change default to TT in STEventMerge
ST/STCheckers	mneedham_2081011	v2r8	add histograms in STClusterMonitor
	mneedham_2081014		move STClusterMonitor to new base class
	mneedham_2081016		move all code to new base class
	mneedham_2081104		add example root macros
ST/STDAQ	mneedham_2081011	v3r13	follow changes in DigiEvent
	mneedham_2081017		move to new base class
	mneedham_2081017_2		move some code from STOnline
	mneedham_2081020		Change option detType to DetType in stDAQ.opts
	mneedham_2081024		bug fix in lite Cluster decoding
	mneedham_2081105		follow changes in STKernel



	cattanem_20081106		Fixes for gcc 3.4
ST/STTools	mneedham_20081016	v3r6	Move to new base class
Velo/VeloAlgorithms	cattanem_20081016	v4r7p2	Fix compilation warning and untested StatusCode
	cattanem_20081106		Fixes for gcc 3.4
Velo/VeloDAQ	szumlat_20081017	v4r4	Change policy in full VeloClusters decoding, enhancements in SmartErrorBankDecoder
	szumlat_20081028		Update ErrorBank decoder, adapt VeloFull decoders to be used with consecutive real events
Velo/VeloSimulation	cattanem_20081106	v3r6p1	Fixes for gcc 3.4

## Rec v6r0 (Released on 24th November 2008)

Based on Rec v5r12, with the following new tags

Package	User tag	Suggested official tag	Comment
RecSys	cattanem_20081015	v6r0	Remove TrackPython
	jonrob_20081022		Improvements to the python configurables
Calo/CaloMoniDst	apuignav_20081007	v3r3	SpdMonitor: fixed a bug by which events were counted twice
	cattanem_20081106		Fixes for gcc 3.4
Calo/CaloPID	v1r4	v1r4	Fix uninitialised variable
Muon/MuonPIDChecker	v2r4p1	v2r4p1	Patches already tagged and released with Brunel v33r3p1
	miriamg_20081024	v2r5	Added a protection against crashes when the mcparticle does not have a mother
Muon/MuonTrackAlign	cattanem_20081023	v1r7p1	Add explicit use AIDA
Rich/RichGlobalPID	cattanem_20081016	v3r10p1	Fix compilation warning
	cattanem_20081106		Fixes for gcc 3.4
Rich/RichLocalPID	cattanem_20081016	v3r6p1	Fix compilation warning
Rich/RichHLTLocalPID	cattanem_20081106	v1r3p1	Fixes for gcc 3.4
Rich/RichRecAlgorithms	cattanem_20081016	v2r14p1	Fix compilation warning
Rich/RichMarkovRingFinder	v2r3	v2r3	Adapt to configurable changes
Rich/RichRecMCTools	jonrob_20081029	v2r20	Adapt to change in ITrackCreator interface for gcc 4.3
	cattanem_20081030		Complete the gcc 4,3 fix
Rich/RichRecMonitors	v2r20	v2r20	Add some histograms
Rich/RichRecQC	cattanem_20081016	v2r23p1	Fix compilation warning
	jonrob_20081020	v2r24	Add new monitor to check for database inconsistencies
	jonrob_20082021		Remove obsolete job options + reduce min beta for all track CK angle monitor to 0
	cattanem_2008119		Remove RichRawDataDBCheck in DC06 case
Rich/RichRecStereoTools	v1r4	v1r4	Downgrade warning messages
Rich/RichRecSys	jonrob_20081021	v3r14	Remove all evidence of obsolete Job Options. Add explicit option "useCaloMomentumTracks" to python configuration. Previously controlled

			implicitly by "fieldOff" option, but in some case this was not appropriate. Improvements to python configuration for cosmics reconstruction.
	jonrob_20081022		Adapt to changes in TrackSys
	cattanem_2008119		Fix genConf warnings
Rich/RichRecTrackTools	jonrob_20081029	v1r7	Downgrade some messages to counters and minor fix for gcc 4.3
Tf/PatAlgorithms	mschille_20081022	v3r13	trivial fix to PatSeedingTool to set correct track history
	smenzeme_20081023		fix qOverP for 0 magnetic field consistent to FastMomentumTool
	cattanem_20081106		Fixes for gcc 3.4
Tf/PatVelo	dhcroft-200810	v3r10	Fix to cap number of combinations in a very hot triplet in PatVeloGeneralTracking
	cattanem_20081119		Improve handling of warnings
Tf/PatVeloTT	jonrob_20081022	v3r4	Adapt to changes in TrackSys
	cattanem_20081106		Fixes for gcc 3.4
Tf/TrackMatching	jonrob_20081022	v2r20	Adapt to changes in TrackSys
	wouter_20081023		Adapt to change in TrackMasterFitter
Tf/TrackSeeding	cattanem_20081016	v1r4p1	Fix compilation warning
Tf/TrackSys	dhcroft-20081015	v4r19	Removed TELL1 mapping from VeloTEDOne.py, now in CondDB
	cattanem_20081015		Remove TrackPython from requirements
	mneedham_20081020		Change IT decoding option name from detType to DetType
	jonrob_20081022		Changes to TrackSys and recoTrack.py configuration for easier configuration (for cosmics for instance)
	smenzeme_20081023		translate PatChecking.opts to PatChecking.py
	cattanem_20081024		Fix a Fitting.py option to please Gaudi v20r3
	jonrob_20081028		Add new method to TrackSys() configurable to allow users to set special data options more easily
	jonrob_20081114		Adapt Configurable to Gaudi v20r3
Tf/TsaAlgorithms	mneedham_20081011_2	v3r7	changes in ITGenericTracking
	jonrob_20081022		Adapt to changes in TrackSys
	mneedham_20081024		Upgrade ITGenericTracking
	mneedham_20081106		Upgrade ITGenericTracking
	mneedham_20081107		bug fix in ITGenericTracking
Tr/PatFitParams	cattanem_20081106	v3r2p1	Fixes for gcc 3.4
Tr/PatPV	witekma_20081117	v3r7	Improved close PVs reconstruction
Tr/TrackCheckers	cattanem_20081011	v4r3p1	adapt to Gaudi v20r3
	wouter_20081021	v4r4	added momentum resolution to output, add option to split by track type in ResChecker
	smenzeme_20081023		remove dependency on MCDecayFinder
	cattanem_20081106		Fixes for gcc 3.4
Tr/TrackFitEvent	mneedham_20081105	v3r19	



			add first implementation of STLiteMeasurement
	mneedham_20081106_2		improve STMeasurement classes
	mneedham_20081109		add totalCharge member to Velo cluster classes
	mneedham_20081114		add functionality to and clean up Measurement classes
	mneedham_20081117		fix warning in OTMeasurement class
Tr/TrackFitter	wouter_20081023	v2r29	add protection for tracks with insufficient active measurements, change strategy for FitVelo, added ConfiguredFastVeloOnlyFit
	marcocle_20081027		fixed a configuration problem
	wouter_20081113		added configured fitting tools (rather than just having algs)
	cattanem_20081118		fix to put back StateAtBeamLine on VeloTT tracks
Tr/TrackMonitors	wouter_20081021	v1r5	fix histo IDs and topdir
Tr/TrackProjectors	v2r20	v2r20	Changes for fitting OT tracks with drift times in cosmics data
Tr/TrackTools	wouter_20081017	v3r13	made measprovider less verbose
	mneedham_20081018_2		trivial changes in expected hit/likelihood tools
	mneedham_20081024		Changes in MeasurementProviderT, TrackUsedLHCbID, TrackCaloMatch
Tr/TrackUtils	v1r22	v1r22	Change verbosity of messages, add an algorithm
Velo/VeloRecMonitors	gersabec_20081113	v1r2	Added first VELO alignment monitoring
	gersabec_20081114		Changed residual calculation to normalised by binary resolution
	gersabec_20081117		Adapted also unbiased residual plots to normalised version

## Boole v17r0 (Released on 25th November 2008)

Based on Boole v16r3 but using Lbcom v6r24, LHCb v26r0, and the following new tags

Package	User tag	Suggested official tag	Comment
BooleSys	cattanem_20081021	v16r4	Update QMTest reference for change in STEffChecker printout
	cattanem_20081112		More updates to configurable
	jonrob_20081027		Add Rich/RichDigiSys usage
	cattanem_20081030		Update QMTest reference for Gaudi v20r3 changes
	cattanem_20081114		Update QMTest reference
Calo/CaloDigit	odescham_20081117	v2r10	update default parameters
Calo/CaloMoniDigi	odescham_20081030	v2r4	add new algorithm (Yasmine Amhis)
Digi/Boole	cattanem_20081014	v16r4	Add Boole-2008-VeloOpen.py, fix valgrind.job for use on CAF, remove version directory in scripts
	cattanem_20081016		

			Fix in Configurable for Gaudi v20r3, not backward compatible
	cattanem_20081022		Do not suppress RawWriter info
	jonrob_20081024		Adapt to changes in RICH configuration
	cattanem_20081030		Update reference files, also for v16r3
	cattanem_20081031		Partial adaptation to Gaudi v20r3 configurables changes, to be completed
	cattanem_20081113		More updates to configurable
	cattanem_20081114		Capitalize names of all options of Configurable, use ParamFiles v8r0
Digi/DigiAlg	cattanem_20081017	v4r12	Fix BooleInit for TAE mode
Rich/RichDigiQC	jonrob_20081024	v3r11	Remove job options
Rich/RichDigiSys	jonrob_20081024	v1r0	New package. Python configurable for RICH digitisation
	cattanem_20081114		Capitalize names of all options of Configurable
Rich/RichMCAssociators	jonrob_20081024	v2r6	Remove job options
Rich/RichReadout	jonrob_20081024	v2r11	Remove job options. Move configuration to python configurable in Rich/RichDigiSys
	cattanem_20081106		Fixes for gcc 3.4
ST/STDigiAlgorithms	mneedham_20081022	v1r4	Move to new base class

## Boole v17r1 (Released 12th December 2008)

Based on Boole v17r0 with the following new tags

Package	User tag	Suggested official tag	Comment
Digi/Boole	cattanem_20081203	v17r1	Ignore RootDBase.open message in QMTest
	cattanem_20081205		Clean up options
Digi/DigiAlg	cattanem_20081206	v4r13	Fix an array overflow in BuildMCTrackInfo

## Brunel v34r0 (Released on 26th November 2008)

Based on Brunel v33r3p1 but using Rec v6r0, Lbcom v6r24, LHCb v26r0, and the following new tags

Package	User tag	Suggested official tag	Comment
BrunelSys	cattanem_20081021	v33r4	Update QMTest reference for new RichRawMoni sequence
Rec/Brunel	cattanem_20081016	v33r4	Fix in Configurable for Gaudi v20r3, not backward compatible
	jonrob_20081022	v33r4	Improvements to python configurables for better tracking re-configuration + template configuration files for cosmic reconstruction
	pkoppenb_20081024	v33r4	Added ST monitoring

## Geant4 v91r2p4 (Released on 9th December 2008)

Based on Geant4 9.p02 (identical to v91r2p3), just uses Gaudi v20r3

Geant4/G4config	gcorti_20081205	v91r2p4	only change version
Geant4Sys	gcorti_20081205	v91r2p4	adapt to packages without directoty version

**Gauss v36r0 (Released on 10th December 2008)**

Based on Gauss v35r1, with the following new tags

Package	User tag	Suggested official tag	Comment
Gen/LbPythia	robbep_20081020	v8r2	Change mass units to GeV
	robbep_20081023	v8r2	Read LHA files from Pythia
	robbep_20081105	v8r2	Fix for Susy events
	robbep_20081111	v8r2	Add extra charmonia states (psi(2S), ... )
	robbep_20081112	v8r2	Activate extra charmonium production by default
	robbep_20081125	v8r2	Activate psi(3770) production by default
	robbep_20081127	v8r2	Add LSP Cut tool
	robbep_20081128	v8r2	Extract supersymmetric particles properties from Pythia
	gcarti_20081203	v8r2	change name of directory where LHA files (susy) are
Gen/GENSER	robbep_20081111	v5r0	Add extra charmonia states (psi(2S), ...)
	robbep_20081125	v5r0	Add psi(3770) production
Sim/GaussKine	robbep_20081020	v3r2	Add new algorithms for MCTruth handling
	robbep_20081023	v3r2	Check Geant4 particle IDs (with job options)
	robbep_20081029	v3r2	Eliminate particles destroyed by Geant4
	robbep_20081104	v3r2	Robust assignment of vertex types
	robbep_20081105	v3r2	Check extra status
	robbep_20081128	v3r2	Update Geant4 particles from particle property service
Sim/GaussTools	robbep_20081020	v15r1	Add new algorithms for MCTruth handling
	robbep_20081023	v15r1	Code cleaning
	robbep_20081104	v15r1	Change behaviour of WorldCuts and KineCuts to prevent decays
Sim/GiGa	robbep_20081020	v19r4	Use ParticlePropertySvc properties in Geant4
	robbep_20081104	v19r4	update also lifetime from ParticlePropertySvc
	robbep_20081128	v19r4	Move update of particle properties in GaussKine
Sim/GiGaCnv	robbep_20081020	v18r6	Add pointer to MCParticle of mother for MCTruth handling
Sim/GaussRICH	seaso_20081024	v9r2	Bug fix for storing MCParticle for MIP crossing HPDs
Sim/GaussMonitor	robbep_20081111	v6r1	Fix for ROOT ntuples on 64 bit machines
Sim/GaussPhysics	robbep_20081127	v6r1	Add neutralinos and charginos for Geant4
Gen/ParticleGuns	gcarti_20081202	v6r2	Add possibility of ToF with beam direction based on z of vertex
Sim/GiGaVisUI	gcarti_20081208	v5r1	Fix error message for "World", from Marco Pappagallo
Sim/Gauss	gcarti_20081202	v36r0	Activate new way of MCTruth
Sim/Gauss	gcarti_20081208	v36r0	Packing of MC Particle/vertices, options for beam/velo/magnet configurations

**DecFiles v16r0 ( Released on 8th December 2008)**

Decay	Event type	Reference Tag	Comment
Bd->psi(2S)K*	11144011	gcarti_20081023	

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			from Ulrik Egede, with cuts on daughters
Bu->Jpsi(2S)K*	12145101	gcorti_20081023	from Ulrik Egede, with cuts on daughters
		gcorti_20081107	bug fix from Chris Eames
Bu->psi(2S)K*	12145111	gcorti_20081023	from Ulrik Egede, with cuts on daughters
DECAY.DEC	all	robbep_20081103	tag as v16r0, Add "DC09" file
		robbep_20082511	Add psi(3770) entries
DECAY_DC06.DEC	removed	gcorti_20081204	Obsolete
DECAY_WithCP.DEC	removed	gcorti_20081204	Obsolete
Jpsi_mumu,20GeV-140GeV=TrkAcc	59050001	gcorti_20081204	J/psi->mumu particle gun
KaplanNeutralino,xxx	450000xx	gcorti_20081204	SUSY with Neal Gueissaz
BRpVNeutralino_xxx	46xx00xx	gcorti_20081204	SUSY with Neal Gueissaz
BRpVGaugino_m0800_m324000	46000050	gcorti_20081204	SUSY with Neal Gueissaz

-- MarcoCattaneo - 28 Nov 2008

This topic: LHCb > LHCb\_v26r0\_Releases

Topic revision: r15 - 2010-06-11 - PeterJones



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