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Releases based on LHCb v28r5 (and Gaudi v21r6, LCG_57a)

This page documents releases based on LHCb v28r5. **Do not edit**, the content of these releases is frozen.

LHCb v28r5 (released 14th December 2009)

Based on LHCb v28r4, with the following new tags

Package	User tag	Suggested official tag	Comment	Release?
Calo/CaloUtils	vanya_20091128	v8r10	Add few python decorative classes for easy analysis of real Calorimeter data in python	?
	cattanem_20091130		Remove obsolete files CaloUtils/dirHbookName.h, CaloUtils/histoHbookName.h	
	odescham_20091130		protect against 'feature' of HistoID::literalID for non-string HistoID	
	cattanem_20091207		fix untested StatusCode	
	vanya_20091208		python/CaloUtils/CellID.py module: fix a typo in decorator for std::set<LHCb::CaloCellID/const LHCb::CaloDigit*>-iterator	?
DAQ/MDF		v3r22	Bug fix for reading large files	
Det/DDDB	ishapova_20091211	v1r26	New default tag for LHCBCOND partition	?
Det/DetCond	dgolubko_20091205	v12r8	add python interface DetCond.HistoCond to access the histogram parameters of the Condition object	?
Det/DetDesc	dgolubko_20091205	v18r18	introduce namespace DetDesc::Params and add interface functions to extract histogram parameters from the Condition	?
	dgolubko_20091206		fix linking error on windows by introducing interface functions DetDesc::Params::toStr(), toXMLStr()	?
	cattanem_20091210		Fix bug no. 60276	
Det/DetDescCnv	dgolubko_20091205	v4r11	add converter for Histo1D and Histo2D in XmlBaseConditionCnv and fix a minor missprint in XmlGenericCnv	?
Det/Magnet	cattanem_20091210	v5r6	Add ILHCbMagnetSvc::polarity	
Det/RichDet	papanest_20091210	v13r2	new gas radiator condition	
Det/VeloPixDet	cocov_20091203	v1r3	bug fix in DeVeloPixSquareType to correct (bug introduced on nov 26 modifications)	
Event/DigiEvent	marcin_20091127	v2r14	add new objects used by pixel Velo algorithms	

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	cocov_20091130		create by hand the VeloPixLiteCluster bitfield to solve underlying enum type problem (should solve 32bits compilation)	
	cocov_20091202		add method to VeloPixLiteCluster to get the sum of digits time over threshold	
	jvantilb_20091202		Small bug fix in STCluster::contain. AFAIK, not used anywhere.	
	cocov_20091204		Fix of some of the windows warning in VeloPixLiteCluster	
GaudiConf	cattanem_20091211	v13r2	fix bug 60648	
GaudiObjDesc		v11r9	Add support for private default constructor	
Kernel/LHCbAlgs	cattanem_20091207	v2r31p1	Fix untested StatusCodes	
Kernel/LHCbKernel	marcin_20091204	v11r9p1	add VeloPixDataFunctor used by pixel Velo algorithms	
	graven_20091204	v11r10	add IReferenceRate interface	yes, please
	cattanem_20091210		Add ILHCbMagnetSvc::polarity	
Phys/DaVinciInterfaces	pkoppenb_20091201	v1r3p1	Add doxygen comment in IDistanceCalculator	No urgency, only doxygen changed
Phys/LoKiArrayFuncutors	vanya_20091130	v8r7	Add the helper functions aval_max/min on request by Alvaro Neto to create the functor that evaluates the value of the certain functor for daughter particles, that in turn minimizes/maximizes the value of another functor. E.g. (the primitive example) P of the daughter paritcle with maximal PT : <code>aval_max(P, PT)</code> or P for the charged basic particle with maximal PT : <code>aval_max(P,PT,HASTRACK)</code>	?
Phys/LoKiCore	vanya_20091129	v9r8	Fix a bug for <code>inRange/in_range</code> functions	?
	vanya_20001203		bug fix in the "pre-cooking" of decay descriptor before the actual parsing. Thanks to <i>Rob Lambert</i> for spotting the problem & <i>Dima Golubkov</i> for solution. Fix the sequencing of nodes, from now one can use it: <code>[B0 , B~0]</code>	?
	vanya_20091206		Add generic "scalers", needed for HLT/ExpressStream (see task #12978) in a form of <code>scale(PREDICATE , SCALER)</code> , e.g. <code>scale(HLT_DECISION , RATE(50 * Hz))</code> , more <i>scalers</i> are available: random prescaler, fixed (periodic) skipper, etc.. Any generic <code>void->bool</code> functor can be used as	?

			<i>scaler</i> . Also comparison with vectors (doubles or ints) is possible now: ODIN_RUN == ints (1 , 2, 3, 25, 84) or equal_to (ODIN_RUN , [1,2,3,4,10])	
Phys/LoKiNumbers	vanya_20091129	v8r3p2	Fix an example for <code>inRange/in_range</code> functions	?
	vanya_20001206		Add the example/test case for new generic scaler	?
Phys/LoKiPhys	vanya_20091128	v8r12	add few functions (from Kali) useful for analysis of the real calorimeter data	Yes, please. It contains important stuff for real data analysis with neutrals
Phys/LoKiPhysMC	vanya_20091127	v8r6	<i>MCMatcher</i> : minor fix for the default arguments in constructor, needed for proper & easy usage for MC-truth matching within <i>DecayTreeTuple</i> framework. Thanks to <i>Rob Lambert</i> for reporting the problem	?
	vanya_20091203		<i>MCMatcher</i> : fix the problem/feature with TES paths. Thanks to <i>Rob Lambert</i> for intensive tests and spotting the problem	?
Tools/CondDBUI	marcocle_20091208	v3r0	New implementation of the <i>CondDBBrowser</i> (Qt4)	?

Lbcom v7r11 (released 15th December 2009)

Based on Lbcom v7r10, with the following new tags

Package	User tag	Suggested official tag	Comment	Release?
OT/OTAssociators		v4r4	Change property <code>AcceptTime</code> in <i>OTMCDepositLinker</i> to 9 ns (3 sigma)	In v4r4 tag, already released with Boole v20r0
L0/PuVeto	serena_20091209	v7r4	<i>PuVetoFillRawBuffer</i> and <i>PuVetoAlgo</i> (emulator) re-written to deal with the current L0PU bank format	
ST/STMonitors	mtobin_20090612b	v2r3	Fix some bugs/features that were found during the first collisions!	
	mtobin_20090312		Fix some histogram binnings	

Rec v7r12 (released 15th December 2009)

Based on Rec v7r11, with the following new tags

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Package	User tag	Suggested official tag	Comment	Release?
Calo/CaloMoniDST	odescham_20091201	v4r2	add saturation bins to monitoring histograms + protections	tagged
Rich/RichRecSys	v3r23	v3r23	allow track selection cuts to be over-ridden	In v3r23 tag, already released with Brunel v35r10p1
Rich/RichRecTrackTools	jonrob_20091208	v1r16	Switch to Runge Kutta extrapolator	tagged
Tf/PatAlgorithms	sstahl_20091204	v3r26	Added check to prevent PatDownstream from dividing by zero with magnet off data	In v3r26 tag, already released with Brunel v35r10p1
	mschille_20091207		fix bug in PatSeedFit which could cause crash in PatSeedTrack constructor	In v3r26 tag, already released with Brunel v35r10p1
	sstahl_20091209		Added option file PatDownstream.py. Added another check for FPE	
	smenzeme_??		use specialData option "earlyData" for latest tuning	tagged v3r27
Tr/TrackExtrapolators	cattanem_20091207	v2r24p1	fix untested StatusCode	
	cattanem_20091208		Fix excessive warnings	tagged
Tr/TrackFitEvent	wouter_20091207	v4r3	added methods to KalmanFitResult for monitoring	tagged
Tr/TrackFitter	wouter_20091206	v2r42	Make sure tracks with poca failure fail properly	In v2r42 tag, already released with Brunel v35r10p1
	wouter_20091207	v2r43	fix small bug in outlier removal for refits. fill more info in KalmanFitResult	tagged v2r43
Tr/TrackMonitors	v1r17p1	v1r17p1	Suppress excessive warnings in PitchResTool.cpp	In v1r17p1 tag, already released with Brunel v35r10p1
	wouter_20091206	v1r18	added more histograms to TrackMonitor	tagged v1r18
Velo/VeloRecMonitors	erodrigu_20091204	v2r5	removal of obsolete options file	
	malexand_20091208		added ntupling to VeloIPResolutionMonitor & removed some obsolete features	tagged
Tf/TsaAlgorithms	mneedham_20091208	v3r14p3	Prevent tracks with no stereo hits being created	
	mneedham_20091209		Add headTuning	
	smenzeme_??			tagged

			move headTuning to specialData earlyData	
Tf/TrackSys	sstahl_20091209	v4r29	Added option "headTuning" to TrackSys. Loads parameters in PatDownstream. Changed selection criteria for Downstream tracks in PatChecking.py to ChargedDownstream	
	smenzeme_??		move "headTunig" to RecSys SpecialData "earlyData"	tagged
Tr/PatPV	witekma_20091208	v3r10	Added options PVLoose.py to run PV reconstruction with relaxed cuts for Collision09 data	
	smenzeme_??		remove verbosity flag in PVLoose.py	tagged
Rec/GlobalReco	jonrob_20091208	v6r30	Downgrade some info messages to debug	tagged
Tf/TrackMatching	mneedham_20091209	v2r25p1	add head tuning	
	smenzeme_??		replace head tuning swithc by earlyData switch	tagged
Tr/TrackUtils	wouter_20091210	v1r32	added more properties to TrackV0Finder. used better method to test for overlap	tagged
RecSys	smenzeme_20091210	v7r12	add specialData switch "earlyData"	tagged

Hlt v8r2 (released Jan 13th)

Based on Hlt v8r1, with the following new tags

Package	User tag	Suggested official tag	Comment	Release?
Hlt/HltBase	graven_20091223	v7r2	migrate IHlt{Data,Register,Inspector} from LoKiTrigger to avoid circular dependencies, remove unused code	
	graven_20091223a		migrate HltBase/stringKey -> GaudiKernel/stringKey	
	graven_20091224	v8r0	migrate IHltDataSvc -> Hlt::IDataSvc, Hlt::IRegisterSvc	
	graven_20091227		remove (now obsolete) IHltDataSvc interface	
	albrecht_20100106		add public functions for B field update to IL0ConfExtrapolator, IMuonSeedTool, ICaloSeedTool	
	albrecht_20100106b		minimize interface --> remove public functions	
	graven_20100107		extend histogram utilities to support profile histograms	
Hlt/HltBeamGasAlley	graven_20091223	v2r2p3	move #include around to facilitate HltBase/stringKey -> GaudiKernel/StringKey migration	
Hlt/HltCommon	pkoppenb_20091114	v5r16	Initialize pointers	
	graven_20091223		fix double increment of counter, move #include around to facilitate HltBase/stringKey -> GaudiKernel/StringKey migration	
	graven_20091223a		migrate HltBase/stringKey -> GaudiKernel/stringKey	
	graven_20091227		remove (now obsolete) HltDataSvc	
	graven_20091231		rename and update HltReferenceRateSvc, inherits from IReferenceRate, can be used in HltRoutingBitsWriter to	

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			rate-limit
	gligorov_20100105	v5r16	Update ANNDispatchSvc to work with both "real" and MC data
	gligorov_20100107	v5r16	Update ANNDispatchSvc to decode the TCK from raw itself
	gligorov_20100108	v5r16	Modify the swimming algorithms so that they work in the new trigger framework
Hlt/HltConf	graven_20091228	v6r1p1	update express stream bit: all Hlt2UnbiasedJpsi, 1 out of every 100 accepted non-lumi-exclusive events
	graven_20100102		add a (commented out) example of a (relative) rate-limited express stream predicate
	albrecht_20100107		remove obsolete TsaTool.opts
	gligorov_20100108	v6r2	Add Hlt1HadronForSwimmingLines to Hlt1.py
Hlt/HltCosmics	graven_20091223	v1r0p2	move #include around to facilitate HltBase/stringKey -> GaudiKernel/StringKey migration
Hlt/HltDisplVertices	ngueissa_20091221	v1r4	Remove explicit use of the Velo geometry and obsolete options
Hlt/HltEcalAlley	graven_20091223	v2r3p1	move #include around to facilitate HltBase/stringKey -> GaudiKernel/StringKey migration
Hlt/HltGlobalMonitor	graven_20100107	v2r8	change trendplots to be profile histograms
Hlt/HltL0Conf	albrecht_20091210	v2r13	changes to increase robustness
	albrecht_20100106		ElectronSeedTool, MuonSeedTool, HadronSeedTool, L0ConfExtrapolator,L0ConfirmWithT: update B field with update manager service
	albrecht_20100106a		make the above included functions non virtual
	albrecht_20100112		switch P calculation on per default
Hlt/HltL0MuonConf	graven_20091223	v3r7p2	move #include around to facilitate HltBase/stringKey -> GaudiKernel/StringKey migration
Hlt/HltLine	graven_20091223a	v2r1	migrate HltBase/stringKey -> GaudiKernel/stringKey
	graven_20091224		migrate IHltDataSvc -> Hlt::IDataSvc, Hlt::IRegisterSvc
	graven_20091227		add HltComon to requirements to suppress nightly warnings
	albrecht_20090107		remove obsolete options
	gligorov_20100108		Add swimming algorithms to the list of allowed Hlt1Members
Hlt/HltLuminosity	graven_20091223a	v2r14	migrate HltBase/stringKey -> GaudiKernel/stringKey
	graven_20091224		migrate IHltDataSvc -> Hlt::IDataSvc, Hlt::IRegisterSvc
Hlt/Hlt1Lines	albrecht_20091208	v1r11	configure muon alley monitoring (not finished)
	albrecht_20091209	v1r11	fix syntax error introduced in above commit
	pkoppenb_20091211	v2r0	make it v2r0
	gligorov_20100107	v2r0	ViaT hadron lines configured properly from the python now
	albrecht_20100107		add slots for TConf and VeloT match
	gligorov_20100108		add Hlt1HadronForSwimmingLines
	gligorov_20100111		fix naming clash in Hlt1HadronForSwimmingLines
Hlt/Hlt2Lines	ngueissa_20091221	v2r2 ?	update slots of Hlt2DisplVerticesLines according to update of HltDisplVertices
Hlt/HltMuon	graven_20091223	v3r5p3	move #include around to facilitate HltBase/stringKey -> GaudiKernel/StringKey migration
Hlt/HltRawData	graven_20091223a	v2r3	migrate HltBase/stringKey -> GaudiKernel/stringKey

	graven_20091224		remove unneeded include of IHltDataSvc	
	graven_20091226		migrate IHltDataSvc -> Hlt::IDataSvc, Hlt::IRegisterSvc, include bug fix from Tomasz	
Hlt/HltRecChecker	graven_20091223	v1r11p2	move #include around to facilitate HltBase/stringKey -> GaudiKernel/StringKey migration	
	graven_20091223a	v1r12	migrate HltBase/stringKey -> GaudiKernel/stringKey	
	graven_20091224		migrate IHltDataSvc -> Hlt::IDataSvc, Hlt::IRegisterSvc	
Hlt/HltSettings	sredford_20091210	v1r5	strip EndSequence from Velo line	
	graven_20100107		add Physics_MinBiasL0_PassThroughHlt_09Dec09	
	gligorov_20100108	v1r6	add Swimming_320Vis_300L0_Hadron_Hlt1_Oct09	
Hlt/HltTracking	graven_20091223	v4r4p1	move #include around to facilitate HltBase/stringKey -> GaudiKernel/StringKey migration	
Phys/LoKiTrigger	vanya_20091217	v9r7	add new symbols for Wouter Hulsbergen: TrIDC to count number of LHCbIDS that satisfy certain criteria and TrOTIDC to count number of OTChannelIDS, that satisfy certanoi criteria, e.g. " 3 <TrIDC('isVelo')" or " 4 < TrOTIDC('layer', 1, 10)"	?
	graven_20091223		migrate IHlt{Data,Register,Inspector} to HltBase to avoid circular dependencies, migrate these interfaces from HltBase/stringKey to GaudiKernel/StringKey	
	graven_20091223a		migrate HltBase/stringKey -> GaudiKernel/stringKey	
	graven_20091227		see https://savannah.cern.ch/bugs/index.php?60968	
	vanya_20100101		add new symbols TrSTIDC and TrVELOIDC (for Wouter Hulsbergen) to count ST/VeloChanelIDS for the track. Examples:TrSTIDC('layer', 5), TrVELOIDC(10, 'sensor', 16), TrSTIDC('layer', uints([1,10,13,20])), TrVELOIDC('isPileUp')	
	vanya_20091217	v9r7	add new symbols for Wouter Hulsbergen: TrIDC to count number of LHCbIDS that satisfy certain criteria and TrOTIDC to count number of OTChannelIDS, that satisfy certanoi criteria, e.g. " 3 <TrIDC('isVelo')" or " 4 < TrOTIDC('layer', 1, 10)"	
	graven_20091227		workaround for the above and https://savannah.cern.ch/bugs/index.php?60968	
	vanya_20100101		add new symbols TrSTIDC and TrVELOIDC (for Wouter Hulsbergen) to count ST/VeloChanelIDS for the track. Examples:TrSTIDC('layer', 5), TrVELOIDC(10, 'sensor', 16), TrSTIDC('layer', uints([1,10,13,20])), TrVELOIDC('isPileUp')	
Phys/TisTosTobbing	graven_20091223a	v4r1	migrate HltBase/stringKey -> GaudiKernel/stringKey	
	graven_20091227		migrate IHltDataSvc -> Hlt::IDataSvc, Hlt::IRegisterSvc	

Hlt v8r1 (released 15th December 2009)

Based on Hlt v8r0, with the following new tags

Package	User tag		Comment	Release?
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Hlt v8r1 (released 15th December 2009)

		Suggested official tag		
Hlt/Hlt1Lines	gligorov_20091210		Add Hlt1HadronVeloOpenLines, for running on data taken with an open Velo	
Hlt/Hlt2Lines	pkoppenb_20091211		Some more express lines (Johannes)	
Hlt/HltBeamGasAlley	graven_20091209	v2r2p2	remove unneeded include of stringKey.h	yes
Hlt/HltConf	graven_20091209	v6r1	add Hlt1L0CALO and Hlt1L0MUON to HltInit.py	yes
	gligorov_20091210		Added Hlt1HadronViaT and Hlt1HadronVeloOpen lines to Hlt1.py and added appropriate selections to HltInit	
	graven_20091211		make sure autogenerated IDs do not overwrite	
	gligorov_20091211		Update decisions and selections in HltInit to explicitly declare everything which was being autogenerated	
Hlt/HltLine	graven_20091204	v2r0p1	update default Hlt filter for Hlt2 lines to match 'bit 46	yes
	gligorov_20091210	v2r0p1	update HltReco.py to include 3D track and PV reconstruction in the case of an open Velo	
	gligorov_20091212	v2r0p1	Fix Savannah bug #60543	
Phys/TisTosTobbing	tskwarni_20091205	v4r0	new TESTisTos tool for TisTosTobbing of stripping decisions	

Phys v8r14 (released 16th December 2009)

Based on Phys v8r13, with the following new tags

Package	User tag	Suggested official tag	Comment	Release?
Phys/LoKiFitters	vanya_20091215	v2r2p1	Fix LaTeX typo in Doxygen documentation	No real need for release

Analysis v3r14 (released 16th December 2009)

Based on Analysis v3r13, with the following new tags

Package	User tag	Suggested official tag	Comment	Release?
Phys/DecayTreeTuple	pkoppenb_20091208	v2r9	Bug fix #60303 ↗	yes
	gligorov_20091209	v2r9	Add bunch crossing ID to TupleToolEventInfo	yes
Phys/CommonParticles	pkoppenb_20091209	v6r3	Added Di-Electron. Needed for next round of stripping	yes
Phys/StrippingSelections	pkoppenb_20091209	v1r12	Added Bu->eeK. Needed for next round of stripping	yes
FlavourTagging	musy_20091211	v10r0	Tuning for MC09 data	yes
Phys/FlavourTaggingChecker	musy_20091211	v4r0	Fix in the Bopposite definition	yes
Phys/KaliCalo	vanya_20091215	v3r1	Many fixes & features from Albert & Dasha	yes, please

Brunel v35r11 (released 15th December 2009)

Based on Brunel v35r10 but using Rec v7r12, Lbcom v7r11, LHCb v28r5, and the following new tags

Package	User tag	Suggested official tag	Comment
Rec/Brunel	smenzemer_20091210	v35r11	use earlyData in 2009-BeamGas.py and in 2009-Collisions.py
AppConfig	smenzeme_20091210	v3r29	add earlyData.py

Brunel v35r11p1 (released 20th January 2010)

Based on Brunel v35r11 with the following new tags

Package	User tag	Suggested official tag	Comment
Det/DDDB		v1r27	New default tags for 2009 data
Tr/PatPV	cattanem_20091214	v3r11p1	fix untested StatusCode
	witekma_20091216		Loose PV reconstruction (without demanding tracks to have VELO segments)

Brunel v35r11p2 (released 20th January 2010)

Based on Brunel v35r11p1 with the following new tags

Package	User tag	Suggested official tag	Comment
Det/STDet	wouter_20100111	v4r16	Fix bug in DeSTSector::cacheInfo that displaced pattern reco hits by 0.5 strip pitch

Geant4 v92r2p1 (released 18th Dec 2009)

Patch to be able to deploy it on window

Build of Geant4 9.2.p02 and the following new tags respect to v92r2

Package	User tag	Suggested official tag	Comment
Geant4/G4config	hmdegaud_20091208	v92r2p1	moved to the new GaudiPolicy for linker libraries
Geant4/G4processes	hmdegaud_20091208	v7r1p1	moved to the new GaudiPolicy for linker libraries

Gauss v38r1 (released 18th December 2009)

Based on Gauss v38r0p1 and Geant4 v92r2p1, with the following new tags

Package	User tag	Suggested official tag	Comment
Gen/EvtGen	mwhitehe_20091217	v11r7	CPV fix moved to EvtCPUUtil::OtherB from EvtIncoherentMixing::OtherB
Gen/EvtGen	mwhitehe_20091127	v11r7	Fixed EvtIncoherentMixing.cpp for slc5

Gen/EvtGen	mwhitehe_20091125	v11r7	Fixed EvtSSDCP.cpp decay Model
Sim/Gauss	robbep_20091215	v38r1	Fix Configuration.py to include correctly generator monitoring sequence
	silviam_20091217	v38r1	modified Configuration.py to include Velo Pipes into list of elements to be simulated
Sim/GiGa	marcofle_20091217	v19r6	Fix to bug #60331 ↗
Sim/GaussMonitor	gcorti_20091217	v6r5	2d histogram for primary vertex
Gen/Generators	robbep_20091203	v10r6	Fix ExternalGenerator to allow pre-decay of light excited states in case of Sigma generation

Gauss v38r2 (released 22nd January 2010)

Based on Gauss v38r1 and Geant4 v92r2p1, with the following new tags

Package	User tag	Suggested official tag	Comment
Sim/GiGa	cattanem_20100113	v19r7	fix to follow Gaudi fix #61116 ↗ (backward compatible)
Sim/Gauss	silviam_20100120	v38r2	Modified Configuration.py in order to take into account Velo geometry validity limits

DaVinci v24r7 (released 17th December 2009)

Based on DaVinci v24r6 but using Hlt v8r1, Phys v8r14, Analysis v3r14, Rec v7r12, Lbcom v7r11, LHCb v28r5, and the following new tags

Package	User tag	Suggested official tag	Comment
Phys/DaVinci	pkoppenb_20091216	v24r7	Fix two bugs

-- MarcoCattaneo - 17-Dec-2009

This topic: LHCb > LHCb_v28r5_Releases
 Topic revision: r7 - 2010-01-22 - GloriaCorti



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