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Releases based on LHCb v30r0 (and Gaudi v21r8, LCG_58b)

This page documents releases based on LHCb v30r0. **Do not edit**, the content of these releases is frozen.

LHCb v30r0 (Released 25th March 2010)

Based on LHCb v29r3, with the following new tags

Package	User tag	Suggested official tag	Comment
Calo/CaloDAQ	odescham_20100308	v4r19	protect against bad MagicPattern
Calo/CaloInterfaces	odescham_20100308	v7r18	ICaloHypo2Calo : virtual _setProperty()
Calo/CaloKernel	odescham_20100302	v6r2	extend python ConfUtils for any context (not only Hlt/Offline)
	vanya_20100318		CaloVector : Change the formal signature of the default template parameter to allow the usage of class in python (due to "feature" of Reflex, the class can't be loaded properly). Note that the actual signature is the same! Add also method CaloVector::at to allow much faster iteration in python
Calo/CaloUtils	odescham_20100302	v8r12	Improve CaloAlgUtils + context-dependent TES locations
	odescham_20100313		fix default track locations to 'offline' or 'hlt' depending on context
	vanya_20100318		Add more dictionaries for various CaloVector-classes, add python iterators for these classes
DAQ/DAQUtils	r12358 ↗	v1r2	Buglet fix. More doxygen in bankKiller
DAQ/MDF	v3r23	v3r23	Fix bug in TAE decoding to TES
Det/CaloDet	vanya_20100318	v10r5	Add few classes into the dictionary, CaloPin, CaloVector(CellParam) to allow the useful manipulation with class DeCalorimeter in python
Det/DDDB	cattanem_20100315	v1r29	Update latest tags
Det/DetCond	r12125 ↗	v12r11	Removed the dependency on rx (obsolete)
	r12178 ↗		Fix to CondDB configurable for the PIT
	r12428 ↗		InhibitHeartBeat defaults to true for Online
Det/MuonDet	asatta_20100302	v9r2	Improve coords strip matching
Det/RichDet	r12337	v14r0	use of separate MDMS parameters for up and down field
Det/STDet	mneedham_20100226	v4r18	Bug fix in noise update methods
Event/DAQEvent	odescham_20100302	v9r1	Add new status 'BadMagicPattern' in RawBankReadoutStatus
Event/DigiEvent	marcin_20100225	v2r16	Update container location for VeloPixCluster
Event/L0Event	vanya_20100315	v18r3	L0CaloCandidate and L0MuonCandidate: add typedefs T::Selection and T::Range (needed for Hlt) for coherent access to the data in TES
Event/PackedEvent	jonrob_20100309	v4r1	Extend RichPID packer to support Below Threshold DLLs
Event/PhysEvent	vanya_20100315	v11r12	

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			Particle and Vertex: change typedef T::Range from <code>Gaudi::Range (ConstVector)</code> to <code>Gaudi::NamedRange (ConstVector)</code>
Event/RecEvent	jonrob_20100309	v2r27	Add support for Rich Below Threshold DLL values
	vanya_20100315		RecVertex, VertexBase, TwoProngVertex, CaloCluster, CaloHypo: add typedefs T::Selection and T::Range for coherent access to the data in TES
	jonrob_20100316		Add a few new enums to the ProtoParticle class + a method to convert strings to enums
Event/TrackEvent		v5r4	changes for VeloPix
GaudiConf	r12340	v13r4p2	Update RichPID packing version to 1
Kernel/HltInterfaces	pkoppenb_20100308	v3r2	Bug fix #63745 in RealRoutingBits
Kernel/LHCbAlgs	graven_20100301	v2r33p1	optimize DeterministicPrescaler
	marcocle_20100302	v2r34	added check for ODIN back magic pattern task #14202
Kernel/LHCbKernel	jonrob_20100309	v11r12	Add "Below Threshold" RICH ParticleID type
Kernel/MCInterfaces	asatta_20100302	v1r11	Changes in IMuonPad2MCTool interface
Kernel/Relations	vanya_20100307	v5r9p1	Remove "empty" file <code>src/Relations.cpp</code> that produces warnings for Win32 platform
LHCbSys	rlambert_20100226	v30r0	added run-time test of all configurables
	rlambert_20100227		sort list of configurables
	rlambert_20100304		improved validation of configurables
L0/L0Interfaces	jucogan_20100308	v1r7	Add new tools for the L0Muon trigger
	jucogan_20100309		Add a new tool for the L0Muon trigger
L0/L0MuonKernel	jucogan_20100308	v9r1	Add new error flags
Muon/MuonDAQ	asatta_20100302	v4r8	magic pattern check
Muon/MuonInterfaces		v1r0p1	Minor fix in MuonTrack.cpp
OT/OTDAQ		v4r8	Added check for raw bank magic number in OTRawBankDecoder
Phys/DaVinciInterfaces	giampi_20100314		Added interface for isolation tools
	vanya_20100316	v2r1p1	Fix LaTeX in Doxygen
	jpalac_20100318	v2r2	Add ITrackIsolation interface
Phys/LoKiCore	vanya_20100307	v9r12	Add friendly check for function in the list, e.g. <code>ODIN_RUN == [1, 2, 3, 4]</code> or <code>ODIN_RUN [1, 2, 3, 4]</code> , add new function <code>in_list</code> , that allows to check the same: <code>in_list(ODIN_RUN, 1 , 2, 3 , 4)</code> or <code>in_list(ODIN_RUN, [1, 2, 3, 4])</code> in addition to <code>in_range(1 , ODIN_RUN, 10)</code> . Add useful converter from python lists to STL-vectors
	vanya_20100308		Fix the bug
	vanya_20100315		Resurrect the accerss to Doxygen documentation: <code>from LoKiCore.doxygenurl import getURL, searchURL, browse, lbglimpse<.code></code> . Add new functions for "automatic" documentation: <code>from LoKiCore.decorators import getSymbols, buildDoc</code>
Phys/LoKiHlt	v2r7p1	v2r7p1	explicitly check L0 mask
	vanya_20100307	v2r8	Add new symbols <code>ODIN_EVTNUMBER</code> : predicate to chek event number, event range or event list;

			ODIN_RUNEVTNUMBER : the predicate to check run-event pair, ran-event range and run-event list. In addition the helper functions odin_runs , odin_events and odin_runevts have been added. Examples: <code>odin_runs(1,2,3,4,5)</code> , <code>odin_runs(1,4)</code> , <code>odin_runs([1,2,3,4,5])</code> , the same with odin_events , and a little bit different for odin_runevts : <code>odin_run_evts([(1,2) , (3,4) , (5,6)])</code>
	vanya_20100308		Fix for Win32 platform
	vanya_20100312		The major change in L0_(SUM)DECISION , following the recent change in <code>LHCb::L0DUReport</code> , from now both L0_DECISION and L0_SUMDECISION are types , and not instances anymore. The new names have been introduced from preconfigured instances: L0_DECISION_PHYSICS (short cut for <code>L0_DECISION(L0DUDecision.Physics)</code>), L0_DECISION_BEAM1 (short cut for <code>L0_DECISION(L0DUDecision.Beam1)</code>), L0_DECISION_BEAM2 (short cut for <code>L0_DECISION(L0DUDecision.Beam2)</code>), L0_SUMDECISION_PHYSICS (short cut for <code>L0_SUMDECISION(L0DUDecision.Physics,0)</code>), L0_SUMDECISION_BEAM1 (short cut for <code>L0_SUMDECISION(L0DUDecision.Beam1,0)</code>), L0_SUMDECISION_BEAM2 (short cut for <code>L0_SUMDECISION(L0DUDecision.Beam2,0)</code>).
Phys/LoKiNumbers	vanya_20100307	v8r5	Make use of new functions from Phys/LoKiCore
Phys/LoKiPhysMC	vanya_20100314	v8r8	Tiny fix, very useful for MicroDST: to not "use" ProtoParticles and Tracks, if no tables are provided explicitly. It prevents the attempts to load the non-accessible locations while reading MicroDST
Rich/RichRecBase	r12152	v3r27p1	Suppress warning message about empty HPD data blocks
	r12253	v3r28	Updates to support the new Configurables
Rich/RichKernel	r12381	v7r32	Updates for the new Configurables + python dictionary fixes
Tf/TfKernel	smenzeme_20100316	v2r16	add new method to LineHit class
Tools/CondDBUI	r12146 ↗	v3r3	Fixed the bug in database diffing and merging procedures
	r12403 ↗		allow the import of python module without PyCool (see task #13390 ↗)
	r12403 ↗		allow the import of python module without PyCool (see task #13390 ↗)
Tools/XmlTools	r12135 ↗	v6r3p1	Restore dict for IXmlParserSvc on Windows
Tr/TrackInterfaces		v4r11	Changes for VeloPix

Lbcom v9r0 (Released 25th March 2010)

Based on Lbcom v8r3, with the following new tags

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Package	User tag	Suggested official tag	Comment
Calo/CaloTools	odescham_20100302	v6r2	use RungeKutta extrapolator + update CaloHypo2Calo
DAQ/DAQMonitors	odescham_20100302	v1r2	fix missing last bin in ReadoutStatusMonitor histos
LbcomSys	rlambert_20100226	v9r0	added run-time test of all configurables
	rlambert_20100227		sort list of configurables
	rlambert_20100304		improved validation of configurables
L0/L0Calo	robbep_20100302	v11r1	Protect against missing magic pattern
L0/L0DU	odescham_20100225	v10r4	improve L0Filtering
	odescham_20100302		protect against bad MagicPattern and against missing Processor data (no longer crash but lot of warnings)
L0/L0Muon	jucogan_20100302	v9r1	add protection against wrong magic pattern in RAW banks
	jucogan_20100308	v9r1	Adapt to new condDB structure, improve TAE, add new tools
	jucogan_20100309	v9r1	add a new tool
	jucogan_20100312	v9r1	use new SoftFOI condition
L0/L0MuonMonitor	jucogan_20100308	v2r0	Add new algorithms + improvements
	jucogan_20100309	v2r0	Add labels + histo for overflow + Fix compilation errors on windows
	jucogan_20100310	v2r0	Fix compilation errors on windows
	jucogan_20100311	v2r0	Fix compilation errors on windows
L0/PuVeto	v7r7p1	v7r7p1	Already released with DaVinci. bug fix for backward compatibility with old L0PU bank version 1
Muon/MuonAssociators	asatta_20100302	v3r3	changes in MuonPad2MCTool
Rich/RichDAQ	r12344	v3r26p1	Add check on raw bank magic pattern
Rich/RichTools	r12153	v2r29p1	Add support for Below Threshold PID type
ST/STMonitors	nchiapol_20100312	v2r6	new column in text output from STDQSummaryAlg
	mtobin_20100311	v2r6	some changes in histogram types+addition of new algo
	nchiapol_20100305	v2r6	improvement in text output from STDQSummaryAlg
ST/STTools	v3r17	v3r17	Already released with Boole v21r0 (Add STSmearPositionTool + change default of STRndmChannelIDSelector)
	smenzeme_20100315	v3r18	tuning of measurement uncertainties
Velo/VeloDAQ	szumlat_20100303	v4r12	Added protection against corrupted banks
	krinnert_20100317		ZS banks are no longer decoded when the TELL1 has set the error flag
Velo/VeloAlgorithms	dhcroft_20100407	v5r2	Remove warnings for empty sensors and other minor fixes
Velo/VeloSimulation	dhcroft_20100405	v3r8	Changed to match 2009 data taking conditions, mostly reduce ADC per electron scale and timing curve
VeloPix/VeloPixDAQ	cocov_20100301	v1r1	added partial decoding of full cluster

Rec v9r0 (released 25th March 2010)

Based on Rec v8r3, with the following new tags

Package	User tag	Suggested official tag	Comment	release?
Calo/CaloMoniDst	odescham_20100309	v4r5	use context-dependent TES using CaloAlgUtils + complete CaloMoniDstConf	
	rlambert_20100324		fixes for windows warnings savannah 64668.	tagged
Calo/CaloPIDs	odescham_20100309	v5r5	update configurable + new Neutral-PID	
	dgolubko_20100312		enable CondDB by default in CaloID2DLL	tagged
Calo/CaloReco	odescham_20100302	v5r4	update configurable + new CU CaloProcessor() for HLT processing	
	cattanem_20100309		add dependency on CaloPIDs and CaloDAQ, for Configurable	
	odescham_20100309		new iteration in CaloProcessor CU definition	
	odescham_20100313		fix non-reproducible processing in CaloSharedCellAlg	tagged
Muon/MuonID	rlambert_20100322	v7r8	fixes for windows warnings savannah 64668.. possible bug in MuonIDAlg?	
	helder_20100322		Fix MuonIDAlg bug. Set default data type to 2009. Suppress some printouts	
	rlambert_20100324		fixes for windows warnings	tagged
Muon/MuonPIDChecker	polye_20100322	v5r0	code clean up and configurable/cpp changes to use Histograms slot	
	asarti_20100323		Fixed a bug preventing compilation on windows	
	cattanem_20100324		Another fix for Windows	tagged
Muon/MuonTools	rlambert_20100217	v5r2	Added in MuonFastHWTool. Needs major fixing.	
	asatta_20100315		Fixes to MuonFastHWTool	
	rlambert_20100323		fixes for windows warnings savannah 64668.	tagged
Muon/MuonTrackAlign	rlambert_20100324	v1r8p1	fixes for windows warnings savannah 64668	tagged
Muon/MuonTrackRec	ggiacomo_20100319	v3r1	fix interface to LHCb::Track in the cosmic case	tagged
Rec/GlobalReco	jonrob_20100306	v6r32	Remove obsolete ChargedProtoPAIg	
	odescham_20100302		update NeutralProtoPAIg + make chargedProtoParticleAlg working on vector in input	
	jonrob_20100312			

			Add RICH Below Threshold DLL to charged ProtoParticles. Add IsMuonLoose to ntuple	
	jonrob_20100315		Add back RICH, CALO and CombinedDLLs	tagged
RecSys	rlambert_20100226	v9r0	added run-time test of all configurables	
	rlambert_20100227		sort list of configurables	
	rlambert_20100304		improved validation of configurables	
	jonrob_20100312		Configuration changes needed to adapt to the RICH changes to support multiple reconstruction configurations in the same job.	
	polye_20100322		Change configuration to adapt to changes in the Muon/MuonPIDChecker configuration	Release, After testing in 'tuesday' nightlies
	jonrob_20100322		Add new RICH package for HPD image shift monitoring	tagged
Rich/RichENNRingFinder	r12379	v1r2	Add support for new Configurables	tagged
Rich/RichGlobalPID	r12154		Minor change to support future PID'ing of "Below Threshold" PID types	
	r12305	v3r11	Add support for new Configurables	tagged
Rich/RichHPDImageAnalysis	r12533	v1r0	New monitor for RICH HPD image movements over time	tagged
Rich/RichMarkovRingFinder	r12305	v2r9	Add support for new Configurables	tagged
Rich/RichPIDMerge	r12155		Add code to allow RichPID version to to set via options	
	r12305	v2r8	Add support for new Configurables	tagged
Rich/RichRecAlgorithms	r12305	v2r18	Add support for new Configurables	tagged
Rich/RichRecMCTools	r12305	v2r26	Add support for new Configurables	tagged
Rich/RichRecPhotonTools	r12156		Add support for BelowThreshold PID types	
	r12305	v1r7	Add support for new Configurables	tagged
Rich/RichRecQC	r12173	v2r38	Minor updates to support BelowThreshold DLL values if they are activated	
	r12330		Add support for new Configurables	
	r12542		Incorporate new HPD image shift monitor	tagged
Rich/RichRecSys	r12341	v3r27	Add support for new Configurables + Option to set	tagged

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			PID version	
Rich/RichRecTemplateRings	r12305	v1r4	Add support for new Configurables	tagged
Rich/RichRecTools	r12157		Add support for BelowThreshold PID types	
	r12305	v4r10	Add support for new Configurables	tagged
Rich/RichRecTrackTools	r12158	v1r18	Add support for BelowThreshold PID types	
	r12336		Add support for new Configurables. Add global scale factor to binned CK theta resolution tool	tagged
	r12542		fix for some windows warnings	tagged
Tf/PatVeloTT	witekma_20100313	v3r11	PatVeloTT pattern recognition bug fix	tagged
Tf/TfTools	smenzeme_20100315	v1r12	update of hit smearing/skipping tool (no impact on default pattern reco)	
	cattanem_20100316		remove obsolete file	tagged
Tf/TrackSys	smenzeme_2010315	v4r31	load update of ST measurement uncertainty tuning	tagged
Tf/TrackFitter	rlambert_20100322	v2r46	fixes for some windows warnings Savannah 64668	
	rlambert_20100322		more windows warnings and bug in TrackMasterFitter	tagged
Tf/TrackMatching	rlambert_20100323	v2r28	fixes for windows warnigs Savannah 64668	tagged
Tf/TrackSeeding	rlambert_20100324	v1r4p3	fixes for windows warnigs Savannah 64668	tagged
Tf/TsaAlgorithms	mneedham_20100318	v3r17	new early data tuning	tagged
Tr/TrackFitEvent	cocov_20100318	v4r5	added case velopix to a switch to fix a warning	
	none (wouter, 20100319)		added Chi2::Prob	tagged
Tr/PatChecker	pmorawsk_20100301	v3r7	fixed small bug in PrimaryVertexChecker	tagged
Tr/PatPV	pmorawsk_20100304	v3r14	modified LSAdaptPVFitter so it could be used inseed of SimplePVFitter, added PVSeed3DOfflineTool, changed fitter and seeding in PVVeryLoose.py, added timer in PatPV2DFit3D	
	pmorawsk_20100305		corrected error in PVVeryLoose.py and warning in PVSeed3DOfflineTool	
	witekma_20100311		fix Initialize/Finalize imbalance in PVSeed3DOfflineTool	tagged v3r14
Tr/TrackCheckers	rlambert_20100324	v4r10p1	fixes for windows warnigs Savannah 64668 and bug in TrackEffChecker	tagged

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Tr/TrackExtrapolators	smenzeme_2010319	v2r26	use detailed bethe block de/dx tool as default in fit	tagged
Tr/TrackMonitors	pmorawsk_20100301	v1r22	added algorithm for measuring resolution of PV without MC Truth	
	wouter_20100323	v1r23	fixed untested statuscodes. added hitpattern histograms to TrackMonitor	
	wouter_20100318		added histograms to trackmonitor, trackvertexmonitor, trackcalomonitor, ...	
	wouter_20100319		added more histograms, fixed bug in MuonMatchMonitor, remove most algs from ONLINE sequence	
	rlambert_20100320		changed to use RMS residuals in TTTrackMonitor	
	wouter_20100323		fixed untested status codes and histogram levels	tagged
Tr/TrackProjectors	rlambert_20100322	v2r27p1	fixes for initialization verbosity and windows warnings	tagged
Rec/LumiAlgs	panmanj_20100318	v3r4	fix unittest	
	panmanj_20100322		add lumi FSR counters to xml summary	tagged
Tr/TrackTools	dhcroft_20100317	v3r28	Reduced expected MPV to match 2009 beam data	
	dhcroft_20100319		Made dEdx parameters in TrackVelodEdxCharge load from conditions	
	dhcroft_20100324		Fixed condition name in TrackVelodEdxCharge	tagged
Velo/VeloRecMonitors	jmylroie_20100315	v2r7p1	Reduced binning of several plots	
	rlambert_20100322		fixes for windows warnings Savannah 64668	
	szumlat_20100323		developments of the VeloTrackMonitorsNT algo	
	rlambert_20100324		fixes for windows warnings Savannah 64668	tagged

Boole v21r1 (to be released 7th April 2010)

Based on Boole v21r0 but using Lbcom v9r0, LHCb v30r0

Brunel v37r0 (to be released 7th April 2010)

Based on Brunel v36r3 but using Rec v9r0, Lbcom v9r0, LHCb v30r0, and the following new tags

Package	User tag	Suggested official tag	Comment
BrunelSys	rlambert_20100226	v37r0	added run-time test of all configurables
	rlambert_20100227		sort list of configurables

	rlambert_20100304		improved validation of configurables
	rlambert_20100327		test brought in-line with Illya's latest configurables

-- MarcoCattaneo - 18-Mar-2010

This topic: LHCb > LHCb_v30r0_Releases

Topic revision: r9 - 2010-04-06 - unknown



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