

# Table of Contents

<b>Releases based on LHCb v28r1 (and Gaudi v21r5, LCG_57)</b> .....	<b>1</b>
LHCb v28r1.....	1
Lbcom v7r7.....	4
Rec v7r7.....	5
Boole v19r7.....	7
Brunel v35r7.....	8
Panoptes v2r7.....	8

# Releases based on LHCb v28r1 (and Gaudi v21r5, LCG\_57)

This page documents releases based on LHCb v28r1. **Do not edit**, the content of these releases is frozen.

## LHCb v28r1

Released on 21st October 2009. Based on LHCb v28r0, with the following new tags

Package	User tag	Suggested official tag	Comment
LHCbSys	cocov_20091007		Added dependency to new package Det/VeloPixDet for upgrade simulation
	rlambert_20090914	v28r1	Added dependency on Kernel/XMLSummaryKernel
	rlambert_20090915		Added dependency on Kernel/XMLSummaryBase
Calo/CaloDAQ	odescham_20091012	v4r14	implement BeginEvent update in CaloReadoutTool + fix incomplete clear() method + new methods + fix initialization + speed-up & protections
	pkoppenb_20091014		bug fix: initialise m_packed in constructor
	odescham_20091014		fix for online bank format
Calo/CaloInterfaces	odescham_20090921	v7r15	new (preliminary) interfaces
Calo/CaloKernel	vanya_20091010	v6r1	issue warning messages for existing Data-On-Demand locations
Calo/CaloUtils	vanya_20091001	v8r7	SharedCells.h : add missing include 'numeric' for std::accumulate
	vanya_20091002		"blind-fix" for Win32-compilation problem in nightlies
	odescham_20091012		new property types: CaloCellID, vector of CellIDs, map { cellid : double }, map { cellid : vector of doubles } + Calo2Dview improvement
DAQ/Tell1Kernel	krinnert_20090908	v1r8	Added new tool interfaces and utility headers
Det/DDDB	tskwarni_20090920	v1r22	Default tags for Upgrade MC. Released also with Boole v19r6
	ishapova_20091007	v1r23	Default tag changed for DDDB
Det/MuonDet	jonrob_20090914	v8r5p3	Remove creation of local MsgStream objects for speed
	asatta_v3_20091002	v9r0	reduce the number of detector elements in muon system
	asatta_05102009		fix untested sc
	asatta_20091008		
Det/OTDet	wouter_20090925	v8r3	Added method to get mono layer coordinates of intersection
Det/STDet	javantilb_20090915	v4r14	Make DeSTSensor::localInactive method more intuitive.
Det/VeloPixDet	v0r0		first import of VeloPixDet under Det.
	cocov_20091007	v1r0	Modification in initialisation of DeVeloPix.

## LHCb\_v28r1\_Releases &lt; LHCb &lt; TWiki

	cocov_20091008		Fix to some compilation warning.
	cocov_20091009		Remove useless calls in requirement.
Event/DAQEvent	panmanj_20091014	v8r1	FileID functionality added
Event/EventAssoc	jpalac_20090924	v4r8	Add RelationWeighted1D<Particle, MCParticle, double>
Event/EventPacker	cattanem_20091014	v1r8	In Packer algorithms, use getOrCreate of input containers instead of get
Event/LumiEvent	panmanj_20091014	v2r2	remove EOR from FSR path
Event/TrackEvent	jvantilb_20090928	v5r1	New track type, history and location in Track.xml
	wouter_20091008		Added new class TrackFitResult which contains transient data of track fit
Ex/IOExample	cattanem_20090921	v3r3	Update sim input file
	cattanem_20091014		Update digi input file
GaudiConf	cattanem_20090914	v12r9	Add valgrind error suppression file for python
	rlambert_20090916		Added configuration of XMLSummary to LHCbApp
	rlambert_20090918		Fixed LHCbApp configurable to remove circular dependencies
	cattanem_20091006		In DstConf, do not set up DoD decoding of Muon Tracks if DstType is RDST
	cattanem_20091008		Improve handling of Spillover
	vanya_20091010		use new Configurables CaloDst(Un)PackConf
	vanya_20091012		change order of configurables
	cattanem_20091015		move CaloPacking.py to GaudiConf
Kernel/KernelSys	rlambert_20090911	v12r1	Added dependency on XMLSummaryKernel
Kernel/LHCbAlgs	rlambert_20090911	v2r29	Added EventCountAlg, the future replacement for EventCountHisto
	rlambert_20090914		Fixed compiler warnings in EventCountAlg
	vanya_20091008		MemoryTool: two new counters & two new histograms
	cattanem_20091009		Protect Warning() in TESCheck
Kernel/LHCbKernel	cocov_20090923	v11r8	Add VeloPixChannelID for velo pixel upgrade simulations
	vanya_20090930		poilsh CaloCellCode namespace & improve CaloCellID class
	vanya_20091001		add LHCb::CaloCellID::caloName & areaName methods, fix PinArea
	vanya_20091002		add LHCb::CaloCellID::hash method
	jonrob_20091011		Extend RichSmartID with methods to extract pixel row and column, and HPD column level identifiers
Kernel/LHCbMath	vanya_20090905	v3r13	SVectorWithError: add accessors for correlation coefficients and the full correlation matrix
	vanya_20090912		further polishing for Gaudi::Math::*WithError classes + new module LHCbMath.Types
	vanya_20090913		

			add parsing function for ValueWithError and corresponding std::vector, thus allowing usage of these types as properties for Gaudi components
	graven_20091007		faster (but equivalent) check for parallel lines in GeomFun.icpp
Kernel/PartProp	vanya_20090917	v1r5	python/PartProp/Nodes.py : fix invalid class name
Kernel/Relations	vanya_20090914	v5r9	improve CPU performance of merge & imerge methods
Kernel/XMLSummaryBase	rlambert_20090911	v1r0	Added the package, contains the python for the XMLSummary xml
	rlambert_20090912		Updated the package, release-worthy version
	rlambert_20090914		Added a qmtest to check the python code
	rlambert_20090915		Fixed a parsing bug
	rlambert_20090922		Improved timing, 1000 counters now takes 20s
	rlambert_20090923		Improved timing, 2000 counters now takes 0.5s
	rlambert_20090924		Polishing of code, schema and xml
	rlambert_20091007		Added protection of objects, for use in C++
Kernel/XMLSummaryKernel	rlambert_20090911	v1r0	Added the package, contains the svc for the XMLSummary xml
	rlambert_20090913		Updated the package, release-worthy version
	rlambert_20090914		Added a qmtest to check the service code
	rlambert_20090915		Added qmtests for exit/exception, and backward-compatible changes for file incidents
	rlambert_20090917		Added minimal options file to run the summary
	rlambert_20090918		Changed requirements file to remove circular dependencies
	cattanem_20090919		Cleaned up configurable
	rlambert_20090923		Couple more info messages
	rlambert_20090924		ready for next Gaudi patch
	rlambert_20091007		Added protection of python objects which are lost through exceptions
L0/L0MuonKernel	jucogan_20091013	v8r8	Change for bank v3
Phys/DaVinciKernel	jpalac_20090914	v8r2	Add options for disabling using and writing of P->PV relations
Phys/DaVinciInterfaces	jpalac_20090914	v1r2	Add some methods to control writing of P->PV relations
Phys/DaVinciMCKernel	jpalac_20091001	v4r0p2	Remove duplicated dictionaries which clash with Event/EventAssoc. Add missing STL include.
	jpalac_20091015	v4r1	Use new GAUDI_API for IParticle2MC*
Phys/LoKiCore	vanya_20090926	v9r5	Fix for lhcb6 nightlies slot: new naming convention from PyROOT: <i>ne/eq</i> => <i>cpp_ne/eq</i>
	vanya_20090927		fix the same problem for lhcb3 nightlies....

LHCb\_v28r1\_Releases < LHCb < TWiki

	vanya_20091008		add more detailed printout in HybridBase for easier debugging of python
Phys/LoKiHlt	cattanem_20091012	v2r4	Remove duplicate dictionaries defined in Root 5.24
Phys/LoKiNumbers	cattanem_20091012	v8r3	Remove duplicate dictionaries defined in Root 5.24
Phys/LoKiPhys	vanya_20090926	v8r10	add ISMUONLOOSE & ISLOOSEMUON symbols for Alessio Sarti
	vanya_20091002		add new symbols TRGHP, TRGHOSTPROB, TRLH & TRLIKELIHOOD for Chris
Phys/LoKiPhysMC	vanya_20090903	v8r5	fix event & reference counters for context MCMATCH functors
Rich/RichKernel	jonrob_20090903	v7r26p1	Small bug fix in python Configurables
	jonrob_20090924		Fix data member initialisation bug in Rich::Converter
	jonrob_20090929		Suppress warning message about NULL properties vector to debug, since occurs often ...
	v7r27	v7r27	Fixes for Panoramix on WIN32 (Already tagged for temporary inclusion in next Panoramix release)
	jonrob_20091010	v7r28	Various new tool interfaces for HPD occupancies and generic HPD data analysis
	jonrob_20091012		Add new methods to L1 ingress header class to return a list of the missing HPD data blocks + the number. Also improve the implementation of the method that returns the number of active HPDs to be more CPU efficient.
Tf/TfKernel	smenzeme_20090925	v2r12	bug fix for isX() method of LineHit.h
Tr/TrackKernel	wouter_20091008	v1r1	adapted to changes in LHCb::Track
Tr/TrackInterFaces	wouter_20090925	v4r8	Added missing const in ITrackExtrapolator
Tools/CondDBUI	ishapova_20090909	v2r23	Fixed the bug in the ReleaseNotes class method for release_notes.xml content analysis
	ishapova_20090914		Global tagging script unification to standard CondDBUI form and functionality. Added to CondDBUI

## Lbcom v7r7

Released on 21st October 2009. Based on Lbcom v7r6, with the following new tags

Package	User tag	Suggested official tag	Comment
Calo/CaloTools	odescham_20090921	v5r12	adapt to change in CaloDAQ + add new (preliminary version) tool
	dgolubko_20091011		decrease error level in L0Calo2CaloTool + make use of CaloAlgUtils in CaloGetterTool
	odescham_20091012		adapt to change in CaloDAQ
Hlt/HltDAQ	graven_20090911	v1r0p2	add counter for each routing bit

	graven_20091009	v1r1	add HltRoutingBitsFilter
	cattanem_20091009		HltRoutingBitsFilter does not fail execute
	cattanem_20091014		Make HltRoutingBitsFilter error handling quieter
L0/L0Calo	robbep_20091001	v9r22	Improve monitoring histograms
	robbep_20091014		Clean code
L0/L0DU	jucogan_20090909	v8r19	Fix bug in L0Conf
	odescham_20090917		adapt to change in CaloDAQ + allow for empty config TCK
L0/L0Muon		v8r5p2	Remove a call to ChronoStatSvc
Rich/RichDAQ	jonrob_20090922	v3r26	Add software suppression of pixels to raw decoder tool
Rich/RichTools	jonrob_20091011_2	v2r28	Add two new HPD tools to calculate the average occupancy and to find hot pixels
	jonrob_20091012		Protect SnellsLawRefraction against zero intersections in initialize()
Rich/RichAlgorithms	jonrob_20091011_2	v1r2	Add new HPD analysis algorithm
Velo/VeloAlgorithms	vanya_20091004	v4r10	fix for the recent changes in GaudiHistoAlg base class
Velo/VeloDAQ	krinnert_20090925	v4r9	fixed error bank decoder
Velo/VeloTools	krinnert_20090908	v3r4	added tool implementations, some moved from VeloTELLITools
	krinnert_20090909		protected Windows build from Unix-only include

## Rec v7r7

Released on 22nd October 2009. Based on Rec v7r6, with the following new tags

Package	User tag	Suggested official tag	Comment
RecSys	albrecht_20091007	v7r7	remove NNTools from requirements
	cattanem_20091008		remove RecCheckers
	cattanem_20091015		add definition of Moni phase to Configurable, moved from Brunel
Calo/CaloMoniDst	vanya_20091001	v4r1	fix for the recent modifications in CaloCellCode functions
	cattanem_20091006		Add LHCb note to doxygen documentation
	odescham_20091016		fix problem with histo access + improve Pi0Monitor + update EFlow stuff
Calo/CaloPIDs	odescham_20090930	v5r1p1	protect against missing inputs + reduce verbosity
Calo/CaloReco	odescham_20090916	v5r2	remove GetterInit from RecoSequence 1
	vanya_20090928		further polishing of Configurables to make Kali happy
	vanya_20091010		add functions to handle Calo (un)-packing on DST
	cattanem_20091015		move CaloPacking.py to GaudiConf
Muon/MuonID	cattanem_20091001	v7r2p1	Fix warning from TrackKalmanFilter
	cidx_20091002	v7r2p2	Adapt python modules to Ganga. Fix bugs
Muon/MuonTrackAlign	wouter_20091009	v1r8	Adapted to change in LHCb::Track

## LHCb\_v28r1\_Releases &lt; LHCb &lt; TWiki

Rec/GlobalReco	jonrob_20090909	v6r27	Properly set output levels in python Configuration
	vanya_20090917		NeutralProtoP: improve CPU performance for "light mode"
	jonrob_20090929		Fix untested StatusCodes
Rec/LumiAlgs	panmanj_20091009	v2r3	FileID functionality added
	panmanj_20091014		remove EOR from FSR path
Rich/RichGlobalPID	jonrob_20091002	v3r10p4	Suppress some warnings
Rich/RichRecAlgorithms	jonrob_20090904	v2r17	Extensions to the event selection algorithm
Rich/RichRecMCTools	jonrob_20090929	v2r25p1	Fix untested StatusCodes
Rich/RichRecMonitors	jonrob_20091001	v2r24	Fix untested StatusCodes
Rich/RichRecQC	jonrob_20090904	v2r34	Add new ring search monitor + extend configuration to allow for an optional event selection to be applied to all monitored events
	papanest_20090907		Book histograms at initialise for alignment and changed alignment options to produce mirror histograms
	jonrob_20091010		Remove dedicated HPD hot pixel finder algorithm (now a generic tool) and update python options accordingly
Rich/RichRecSys	jonrob_20090922	v3r22	Improvements to configurables
Rich/RichRecTemplateRings	seaso_20090917	v1r1p1	Minor improvements in cpu time usage. Option to run on only Saturated track Segments
	seaso_20091007		New option to select all tracks including TT tracks for Cosmics
Rich/RichRecTrackTools	jonrob_20090914	v1r15	Select tracks in TrackSelector that have default likelihood or ghost probability values
	wouter_20091008		adapted to changes in LHCb::Track
Tf/PatAlgorithms	smenzeme_20090925	v3r23	adapt to changes in TfKernel
	sstahl_20091008		Improvements in PatDownstream
	sstahl_20091013		Added option to PatDownstream
Tf/PatVelo	gersabec_20090924	v3r18	fixed memory leak
	gersabec_20090925		fixed another memory leak and changed track matching requirements to also check y/ty
	dhcroft_20091013		Removed cut on hot sectors when using VELO lite clusters in PatVelo
Tf/PatVeloTT		v3r8p1	Fix memory leak in PatVeloTTFit
Tf/TrackMatching	wouter_20091008	v2r24	adapted to changes in LHCb::Track
Tf/TrackSys	cattanem_20091006	v4r25p1	Remove obsolete options files
	albrecht_20091007	v4r26	use new ghost tool in RecoTracking, remove NNTools from requirements
Tf/TsaAlgorithms	jvantilb_20091019	v3r13	Added doxygen comment.
Tr/TrackAssociators		v3r7	Remove obsolete code
Tr/TrackCheckers	wouter_20091008	v4r9	adapted to changes in LHCb::Track
	mschille_20091019		adapt TrackCheckerNT to MC09-style linker tables for hit-level OT MC truth
Tr/TrackExtrapolators	wouter_20090925	v2r24	added missing const in TrackExtrapolator
	smenzeme_20090926		

LHCb\_v28r1\_Releases < LHCb < TWiki

			put Runga Kutta as default for extrapolators
Tr/TrackFitEvent	wouter_20090925	v4r1	Added data member 'doca' to FitNode
Tr/TrackFitter	jvantilb_20090928	v2r38	Removed checks for ndof in TrackMasterFitter
	wouter_20091008		adapted to changes in LHCb::Track
	wouter_20091013		added velo-only extrapolator. cleaned-up configuration
Tr/TrackIdealPR	wouter_20091008	v2r19	adapted to changes in LHCb::Track
Tr/TrackMonitors	jluisier_20091015	v1r14	Changed options in STEfficiency
	wouter_20091008		adapted to changes in LHCb::Track
	cattanem_20090930		use Warning instead of warning
	cattanem_20091015		fix untested StatusCode
Tr/TrackProjectors	wouter_20090925	v2r25	Fill doca in FitNode
Tr/TrackTools	cattanem_20091006	v3r21p1	Remove obsolete options file
	wouter_20091008	v3r22	Adapted to changes in LHCb::Track
	wouter_20091016		Make meas providers private tools of the master provider
	albrecht_20091007		add tool TrackNNGhostId
Tr/TrackUtils	albrecht_20091007	v1r30	add algorithm TrackAddNNGhostId to call ghost Id tool
	pkoppenb_20091015	v1r30	moved two algorithms from HltSelections
Velo/VeloRecMonitors	krinnert_20090908	v2r2	Adapted to new tool interface locations. Removed Vetra specific CMT hack.
	wouter_20091008		adapted to changes in LHCb::Track
	krinnert_20090909		Masked out XML writing feature in VeloOccupancyMonitor on Windows.
	krinnert_20090915		Fixed property names in online options for TAE occupancy monitors. Added PVSS TELL1 names to histogram titles in occupancy monitor.
	krinnert_20090929		disabled NZS based plots in sampling monitor for online monitoring.
	krinnert_20091001		changed online monitoring options to +/- TAE instances of the occupancy monitor
	krinnert_20091008		book all histograms in VeloTrackMonitor in initialize()
	krinnert_20091012		hit maps off by default in track monitor, fixed histogram names in sampling monitor
	krinnert_20091013		fixed filling of C side phi plot in track monitor

## Boole v19r7

Released on 22nd October 2009. Based on Boole v19r6 but using Lbcom v7r7, LHCb v28r1, and the following new tags

Package	User tag	Suggested official tag	Comment
Calo/CaloDigit	vanya_20091001	v3r1	minor fix for new CaloCellCode functions
Digi/Boole	cattanem_20091008	v19r7	Improve handling of Spillover



Muon/MuonAlgs	asatta_20091008	v6r9	updated to new MuonDet
Muon/MuonBackground	asatta_v2_20091002	v2r10	updated to new MuonDet
	asatta_20091008		updated to new MuonDet
Rich/RichReadout	jonrob_20091004	v2r12p1	workaround for algorithm deletion crash

## Brunel v35r7

Released on 22nd October 2009. Based on Brunel v35r6 but using Rec v7r7, Lbcom v7r7, LHCb v27r7, and the following new tags

Package	User tag	Suggested official tag	Comment
Rec/Brunel	cattanem_20090914	v35r7	Adapt valgrind.job to use gaudirun.py
	cattanem_20090918		Add tests for FEST09 (lumi events) and MC09 stripping
	cattanem_20091014		Add handling of Lumi events
	cattanem_20091015		Move moni phase configuration to RecSys

## Panoptes v2r7

Based on Panoptes v2r6, depends on Online v4r30

Package	User tag	Suggested official tag	Comment
Rich/RichOnlineMonitors	rogers_20090914		Added more detail to CAMERA messages for TestPatternMonitor and HitMapsMonitor. TestPatternMonitor will only run for calibration A triggers.
	youngr_20090916		HotPixelFinder.cpp implemented; RichHitMapsMonitor.cpp updated to call pixel finder; Bug fix in HPDCountTool - HPDInfo class declared as a constructor reference rather than object and < hit difference changed to > hit difference
Rich/RichMonitoringSys	youngr_20090916	v2r6	Configuration.py updated to include "OutputLevelHitmaps" options; RichHitMapMonitor.py updated to include HotPixelFinder options
Rich/Rich2MirrAlign	asolomin_20091023	v5r6	Minor cleanup
Rich/Rich2MirrCombinFit	asolomin_20091023	v3r7	Fitting procedure improved, flag for coefficients added
Rich/RichMirrorAlignmentGanga	asolomin_20091023	v3r3	Update of default tags, renamed scripts

-- MarcoCattaneo - 22-Oct-2009

This topic: LHCb > LHCb\_v28r1\_Releases

Topic revision: r6 - 2009-11-03 - MarcoCattaneo



Copyright &© 2008-2019 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.

Ideas, requests, problems regarding TWiki? Send feedback