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# Releases based on LHCb v27r0 (and Gaudi v21r0, LCG\_56)

This page documents releases based on LHCb v27r0. **Do not edit**, the content of these releases is frozen.

## LHCb v27r0

Released on 11th May 2009 Based on LHCb v26r3, with the following new tags

Package	User tag	Suggested official tag	Comment
Calo/CaloDAQ	odescham_20090410	v4r11	reduce verbosity + adapt to change in CaloDet
Calo/CaloInterfaces	odescham_20090417	v7r10	ICalo(Hypo)2Calo virtual methods set to const reference + new interfaces
Calo/CaloUtils	odescham_20090505	v8r4	add new 2D representation in Calo2Dview + bug fix + profile 1D
DAQ/MDF	cattanem_20090417	v3r17p1	Replace endreq by endmsg
Det/BcmDet	cattanem_20090417	v1r3	Replace endreq by endmsg
	ocallot_20090504		Call the base class constructor
Det/CaloDet	odescham_20090410	v10r2	add protections + bug fix
	cattanem_20090417		Replace endreq by endmsg
	odescham_20090506		Access new CondDB calibration constants
Det/DetCond	cattanem_20090417	v12r5p3	Replace endreq by endmsg
Det/DetDesc	wouter20090317	v18r13	Added extra v-func hook to AlignmentCondition for use in VeloAlignCondition
	cattanem_20090417		Replace endreq by endmsg
Det/DetDescCnv	cattanem_20090417	v4r9	Replace endreq by endmsg
	ocallot_20090504		Single instantiation of MsgStream. Support for parameter in xml file name for volumes
Det/DetDescSvc	cattanem_20090417	v2r3p1	Replace endreq by endmsg
Det/MuonDet	asatta_20090409	v8r5	clean up print messages
	asatta_20090429		rename interface
	asatta_20090430		update dict
Det/RichDet	jonrob_20090330	v11r5	Include T and P values in message that is printed when a gas refractive index update is triggered
	jonrob_20090430		Sort inactive HPD lists
	papanest_20090501		Introduce refractivity scaling for gas radiators
Det/STDet	mneedham_20090314	v4r9	Move contains function to DeSTBaseElement
	mneedham_20090317		Add halfmoduletype function to DeTTSector
	mneedham_20090330		Add access to status Condition to DeSTSector
	jluisier_20090403		Add noise, gain and production ID condition access
	mneedham_20090406		Update printout in DeSTSector

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Det/VeloDet	wouter20090317	v13r6	Made sure condition is correctly updated when modifying transform
	krinnert_20090324		Added free functions to convert chip channel to TELL1 channel and vice versa.
Event/DAQEvent	odescham_20090406	v7r20	OdinTypesFilter : minor change in printout
	cattanem_20090414		Put back printout of number of filtered events in OdinTypesFilter. Replace endreq by endmsg
Event/EventAssoc	jpalac_20090423	v4r6	Add dictionaries for LHCb::Relation1D<LHCb::Particle, LHCb::MCParticle>
Event/GenEvent	gcorti_20090429	v5r6	Make method numOfCollisions const
Event/L0Event	odescham_20090418	v17r5	minor fix
Event/LumiEvent	cattanem_20090415	v2r0	Change LumiFSR location to /FileRecords instead of /RunRecords
Event/MCEvent	mschille_20090423	v2r14	fix typo in MCTrackInfo object
	gcorti_20090429		Make method numOfPrimaryVertices const
Event/RecEvent	hernando_20090403	v2r20	Added bit for IsMuonLoose in MuonPID class
Event/TrackEvent	dhcroft_20090401	v4r20	Added enums for PR Velo expected hits
Event/VeloEvent	szumlat_03052009	v16r7	New TES location for decoded ADC samples
Ex/IOExample	cattanem_20090415	v2r9	Update references for Gaudi v21
GaudiPatches	cattanem-20090320	v1r1	Disable code for Gaudi > v20
Kernel/LHCbAlgs	odescham_20090406	v2r26	ODINDecodeTool made private in OdinTimeDecoder
	pkoppenb_20090415		AlgorithmCorrelations check for duplicates
	graven_20090501		speed up DeterministicPrescaler
Kernel/LHCbKernel	mneedham_20090317	v11r3	Extend ISiAmplifierResponse interface
	odescham_20090406		CaloCellID/CaloCellCode : add new methods related to calo areas
Kernel/LHCbMath	vanya_20090408	v3r7	Fix compilation warning for Win32 platform
Kernel/PartProp	vanya_20090309	v1r1	add "selfcc/threeCharge", improve decorators and examples
	cattanem_20090417		Replace endreq by endmsg
	vanya_20090506		add more protected symbols + new Nodes: SSPin, LSpin & Nucleus
Kernel/Relations	vanya_20090409	v5r7	remove local instances of tables (causes some problems with SUSE)
	cattanem_20090415		Fix dependencies of RelationsTest
	vanya_20090424		add ::Entry/i_add/add and "weighted"-enum on request by Juan
L0/L0Interfaces	odescham_20090418	v1r4	new virtual method in IL0DUFromRawTool
Muon/MuonDAQ	asatta_20090428	v4r6	add algo for TAE events
Phys/DaVinciKernel	jpalac_20090427	v7r5	Bug fix in P->PV relations, DVAlgorithm (P. Spradlin).
	vanya_20090430		Add few more default nicknames for various tools
	vanya_20090505		Hopefully the final fix for #bug 45964
Phys/DaVinciMCKernel	jpalac_20090415	v3r2	Add typedef for weighted P->MCP relations table
	jpalac_20090507		Add an operator

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Phys/LoKiArrayFuncutors	spradlin_topo_20090310	v8r2	add topo trigger funcutors
	vanya_20090424	v8r3	remove the duplicated lines from *DOCA*-related "A"-funcutors
	vanya_20090504		remove some unnessessary dictionaries & add many "fake" <b>TEMPORARY</b> dictionaries
Phys/LoKiCore	vanya_20090320	v9r0	add more options for histo booking (needed for Hlt monitoring)
	vanya_20090322		improve monitoring abilities
	vanya_20090323		add missing file
	vanya_20090324		VoidFilter: fix the typo in the name of default CoreFactory
	cattanem_20090417		Replace endreq by endmsg
	vanya_20090427		add more functionality to the service
	vanya_20090506		few improvements for new decay finder
Phys/LoKiGen	vanya_20090506	v8r2	few improvements for new decay finder
Phys/LoKiMC	jpalac_20090313	v8r2	Add extre LoKi::MCTrees::buildTrees method
	vanya_20090506		few improvements for new decay finder
Phys/LoKiPhys	spradlin_topo_20090310	v8r3	add topo trigger funcutors
	vanya_20090324	v8r4	add new <b>DOCA</b> funcutors for Rob Lambert
	vanya_20090427		fix a typo in funcutor name
	vanya_20090428		fix a bug in <b>DOCA::docamax</b> & <b>DOCA::docachi2max</b>
	vanya_20090429		new symbols for Lisa Dwyer: <b>LTIMEERR</b> & <b>BPVLTERR</b>
	vanya_20090430		new symbols for Olivier Leroy: <b>REFIT</b> , <b>MFIT</b> , <b>MFITTER</b> , <b>MASSFIT</b>
	vanya_20090430		new symbol for Jaap Panman: <b>BPVDVDOCA</b>
	vanya_20090506_0		fix reflex error for DaVinci v22r3 environment (backward) , thanks to Patrick Spradlin & Jaap Panman
	vanya_20090506		few improvements for new decay finder
Phys/LoKiPhysMC	vanya_20090312	v8r2	drastical speed-up of MC truth match (thanks to Jibo He)
Rich/RichKernel	jonrob_20090328	v7r21	Improvements to RichGeomPhoton printout + new python configuration option
	jonrob_20090424		Add nickname to tool registry for pixel cluster finder
Rich/RichRecBase	jonrob_20090330	v3r21	Improvements to pixel creator base class
	jonrob_20090417		Add support for PatSeeding tracks
ST/STKernel	mneedham_20090503	v1r13	add dict for std::pair<STTell1ID, unsigned int>
	mtobin_20090505		add method to ST base class to return board mappings
Tf/PatKernel	ocallot_20090401	v2r3	New interface IPatDebugTrackTool
Tf/TfKernel	ocallot_20090313	v2r11	remove size from hit error
Tools/CondDBUI	marcocle_20090330	v2r17	improvements in the administration scripts
Tools/XmlTools	ocallot_20090505	v6r3	Improve caching for Conditions. Cleanup MsgStream
Tr/TrackInterfaces	vanya_20090331	v4r3	add unique interface IDs for I*FunctionTool

mneedham_20090406	add ISTClusterCollector interface
mneedham_20090407	really add ISTClusterCollector interface

## Lbcom v7r0

Released on 11th May 2009 Based on Lbcom v6r27, with the following new tags

Package	User tag	Suggested official tag	Comment
Calo/CaloTools	odescham_20090417	v5r8	speed-up Calo2Calo processing + new tool CaloGetterTool
L0/L0Calo	odescham_20090406	v9r20	adapt to change in CaloDet
L0/L0DU	jucogan_20090327	v8r16	Add the TCK property to L0Conf
	jucogan_20090419		L0Conf : Implement missing action for DecodeL0DU property
	odescham_20090505		Add missing monitoring histo + speed-up decoding/emulator + change DC06 default TCK in L0Conf
OT/OTAssociators	janos_20090427	v4r3	Correctly apply linker window.
OT/OTMonitor	janos_20090427	v2r11	Added algorithm to monitor MCOTTimes
Rich/RichAlgorithms	jonrob_20090417	v1r1	Add new algorithm that simulates varying gas pressure and temperature
Rich/RichTools	jonrob_20090417	v2r26	Downgrade some messages to debug()
Si/SiTools	mneedham_20090317	v1r7	Follow extension in ISiAmplifierResponse interface
	mneedham_20090323		clean up max finding in SiZuriFunction
ST/STAlgorithms	mneedham_20090314	v3r6	Follow changes in STTools + add new digit merging and related tools
	mneedham_20090314		update options files
	mneedham_20090406		add WriteAlignmentStatusConditions algorithm
ST/STCheckers	mneedham_20090317	v2r12	Bug fix in TTOccupancy algorithm
ST/STDAQ	mneedham_20090314	v3r17	Clean up of STClustersToRawBank
			Add TELL1 ID to error messages + remove hard-coded hex numbers
ST/STMonitors	nchiapol_20090317	v1r1	new algorithm for STSummary + changed names from older algorithms to be consistent
	mtobin_20090505		Modified STErrorMonitor and STNZSMonitor to use new method from ST base class
ST/STTools	mneedham_20090314	v3r9	Add selector tools based on channelID, clean up cluster selectors
	mneedham_20090323		Adding STSelectChannelIDByTruth
	mneedham_20090415		Adding STSelectSpilloverCluster tool
	jvantilb_20090416		New charge sharing functions in STOfflinePosition
	jvantilb_20090424		Improved tune of error estimates in STOfflinePosition
Velo/VeloDAQ	szumlat_20090312	v4r6	Enhancements in full bank decoders

## Rec v7r0

Released on 11th May 2009 Based on Rec v6r5, with the following new tags

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Package	User tag	Suggested official tag	Comment
RecSys	jonrob_20090423	v7r0	Add new package Rich/RichIFBAnalysis
Calo/CaloMoniDST	cattanem_20090424	v3r6	Fix gcc 43 warning, replace endreq by endmsg
	odescham_20090506		new algo CaloEFlowAlg from Aurelien Martens + PID monitor/checker from Dmitry
Calo/CaloPIDs	odescham_20090416	v4r16	fix unchecked StatusCode
Calo/CaloReco	odescham_20090416	v4r19	fix bug in HltClusterSelection.opts + adapt to change in CaloTools
	odescham_20090417		new Alg CaloGetterInit
Muon/MuonTools	asatta_20090429	v5r0	Resume the package
Muon/MuonTrackAlign	asatta_20090430	v1r7p2	remove unused header file
Rec/GlobalReco	jonrob_20090423	v6r21	Update how uninitialised sequences are checked for
Rec/LumiAlgs	cattanem_20090415	v2r0	Change Lumi FSR location to /FileRecords instead of /RunRecords
Rec/RecCheckers	cattanem_20090317	v1r2	Add missing dependency on DaVinciMCKernel
Rich/RichIFBAnalysis	CVS head	v1r0	New IFB monitor separate from RichOnlineMonitors
	youngr_20090502		Number of events, date of measurement + cluster type added to histogram
Rich/RichMarkovRingFinder	jonrob_20090423	v2r6	Update how uninitialised sequences are checked for
Rich/RichRecMCAgorithms	jonrob_20090430	v1r3	Update algorithm that dumps RICH events to simple text files
Rich/RichRecMCTools	jonrob_20090327	v2r21	Add new MC based photon predictor tool
	jonrob_20090330		Update checks in MC pixel maker
Rich/RichRecQC	jonrob_20090417	v2r28	Minor monitoring changes
	jonrob_20090423		Add new IFB monitors + change how uninitialised sequences are checked for in the python configuration
	kerzel_20090503		fix typo in configurable for IFB monitor
Rich/RichRecSys	jonrob_20090420	v3r18	Add option to Track Creator Configurable to allow user to set a custom input track location. Fix configuration bug where photon predictor settings were not properly set when running under non-default settings.
	jonrob_20090423		Update how uninitialised sequences are checked for
Rich/RichRecTools	jonrob_20090504	v4r8	Improvements to PID plotting tool
Rich/RichRecTrackTools	cattanem_20090414	v1r10	Fix untested StatusCodes
	jonrob_20090415		Propagate StatusCode from GaudiException to Error(...) call
Tf/PatAlgorithms	v3r19	v3r19	prevent from overwriting selected hits flags in PatForward
Tf/PatVelo	ocalot_20090313	v3r13	several improvements for performance
	dhcroft_20090319		Added nVeloExpected info to RZ track and Space/General tracks

	ocallot_20090401		Added NewVeloSpaceTool for space tracking
	dhcroft_20090401		Changed ENUM of additional info for number of expected Velo clusters
	cattanem_20090414		Fix gcc43 compilation warning
	gersabec_20090415		Implement tuned options for PatVeloAlignTrackFilter
	dhcroft_20090424		Added an option to PatVeloTrackTool to not correct for the halfbox offset, for open PR
Tf/TrackMatching		v2r22	Check for at least 2 x and 2 stereo hits
	smenzeme_20090509		remove omitting outliers from seed fit
Tf/TsaAlgorithms	lnicolas_20090507	v3r10	Add assumedMomentum property to ITGenericTracking
Tr/TrackFitEvent	hernando_20090403	v3r21	x muonMeasurement meas x, error x-path/sqrt(12), y-trajectory
	wouter_20090424		added more interface to TrackStateVertex
Tr/TrackFitter	hernando_20090403	v2r33	add UseSeedStateErrors property in TrackMasterExtrapolator
Tr/TrackMCTools	mneedham_20090323	v2r23	Add warning in case linker is not found in CleanPatTrackSelector
	ocallot_20090401		New tool PatDebugTrackTool and algorithm DebugTrackingLosses
Tr/TrackMonitor	wouter_20090320	v1r9	Added hit patterns to TrackMonitor. Changed constrain method in FitMatchMonitor.
	mneedham_20090330		Add histograms to ITTrackMonitor
	wouter_20090424		Fixed histo label. Added position of vertex in velo local frame (S. Borghi)
Tr/TrackTools	mneedham_20090406	v3r17	Add STClusterCollector
	gkrocker_20090508		add fast clone id switch for HLT use
Tr/TrackUtils	mschille_20090407	v1r26	optionally write to old-style track container in CreateFastTrackCollection
	gkrocker_20090508		add fast clone id switch for HLT use
	gkrocker_20090510		Small bugfix in TrackEventCloneKiller with allocation of track vector
Velo/VeloRecMonitors		v1r6	

## Brunel v35r0

**Released on 13th May 2009** Based on Brunel v34r3 but using Rec v7r0, Lbcom v7r0, LHCb v27r0, and the following new tags

Package	User tag	Suggested official tag	Comment
Rec/Brunel	cattanem_20090414	v35r0	fix valgrind.job for new LbLogin environment
	cattanem_20090415		Changes for Gaudi v21
	jonrob_20090417		Allow user control over IODataManager().AgeLimit

## Boole v19r0

**To be released on 14th May** - see also Boole planning. Based on Boole v18r0 but using Lbcom v7r0, LHCb v27r0, and the following new tags

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Package	User tag	Suggested official tag	Comment
Calo/CaloDigit	odescham_20090407	v2r13	adapt to change in CaloDet
	odescham_20090506	v3r0	use new calibration data from CondDB
Digi/Boole	cattanem_20090414	v18r1	fix valgrind.job for new LbLogin environment
	cattanem_20090414_v19r0	v19r0	Update tests for latest package updates and Gaudi v21 changes
OT/OTSimulation	janos_20090427	v4r2	Sort according to drift time and channel
ST/STDigiAlgorithms	mneedham_20090415	v1r6	Add new algorithm + changed for TAE like running
	mneedham_20090415		Fix a warnig

-- MarcoCattaneo - 06 May 2009

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This topic: LHCb > LHCb\_v27r0\_Releases

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