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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" TEMPORARY 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 DOCA funcutors for Rob Lambert
	vanya_20090427		fix a typo in funcutor name
	vanya_20090428		fix a bug in DOCA::docamax & DOCA::docachi2max
	vanya_20090429		new symbols for Lisa Dwyer: LTIMEERR & BPVLTERR
	vanya_20090430		new symbols for Olivier Leroy: REFIT , MFIT , MFITTER , MASSFIT
	vanya_20090430		new symbol for Jaap Panman: BPVDVDOCA
	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

This topic: LHCb > LHCb_v27r0_Releases

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