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Releases based on LHCb v25r2 (and Gaudi v20r2, LCG_55a)

This page documents releases based on LHCb v25r2. **Do not edit**, the content of these releases is frozen.

LHCb v25r2 (released on 7th October 2008)

Based on LHCb v25r1, with the following new tags

Package	User tag	Suggested official tag	Comment
Calo/CaloInterfacs	odescham_20080922	v7r8	new ICaloHypo2Calo interfaces
Calo/CaloUtils	odescham_20080922	v8r2	new CaloSelector class + CaloDataFuncor (from RecEvent)
DAQ/MDF	v3r13	v3r13	Add deep copy of Raw event structure
Det/DetSys	v16r0	v16r0	for release
Det/CaloDet	odescham_20080930	v10r0	adapt to new condDB model
Det/DDDB	cattanem_20080929	v1r12	fix loading order of DetectorDataSvc, use latest condDB tags
	cattanem_20080930	v1r12	update default database tags, use SQLDDDB v5r*
Det/DetCond	marcocle_20080929	v12r3	fix bug in generateXMLCatalog
Det/DetDesc	marcocle_20080925	v18r9	Added IDetectorElement::hasCondition. Throws if calling DetectorElement::condition for an unknown condition.
Det/DetDescChecks	cattanem_20080926	v4r9	Add test for 2008 geometry
Det/Magnet	cattanem_20080912	v5r1p1	fix untested StatusCode
	jonrob_20080912	v5r1p1	Fix scoping error in FieldTool updates + add finalize() method to release tools
Det/OTDet	janos_20080922	v8r1	Added calibration and readout conditions. Backwards compatible.
	janos_20080925	v8r1	Added more conditions checks
Det/RichDet	jonrob_20080927	v11r2	Add new method to DeRichSystem
	cattanem_20080930	v11r2	protect against missing conditions
Event/EventSys	v24r9	v24r9	for release
Event/DAQEvent	odescham_20080922	v7r15	add new RawBankReadoutStatus::Status
Event/DigiEvent	mneedham_20080909	v2r9	add function to STCluster class to return max ADC value
	mneedham_20080920	v2r9	add clone + contain methods to STCluster
Event/HltEvent	tskwarni_20080919	v8r13	added executionStage field in HltDecReport
	graven_20080924	v8r13	removed HltEnums
Event/L0Event	odescham_20080926	v17r2	L0DUXX.xml : convert all 'long' to 'unsigned int'
	cattanem_20080930	v17r2	Add missing dictionaries
Event/RecEvent	odescham_20080922	v2r16	remove CaloDataFuncor (moved to CaloUtils)
Event/TrackEvent	smezeme_20080925	v4r15	fix FPE in probChi2 computation of track
Ex/DetDescExample	odescham_20080927	v7r7	adapt to change in CaloDet
GaudiConf	truf_20080923	v10r13	added option for decoding simultaneously time aligned events, Tae_ondemand.py
	cattanem_20080926	v10r13	LHCbApp() now includes DDDB.py

	smenzeme_20080929	v10r13	Added DstContentMuonAlign.opts
GaudiObjDesc	cattanem_20080926	v11r5	Custom allocators switched off in debug builds
Kernel/KernelSys	v9r2	v9r2	for release
Kernel/LHCbMath	mschille_20080906	v3r3	added more specializations for matrix inversion code
	vanya_20080917	v3r3	add LHCb::Math::equal_to_(u)int functions
Kernel/LHCbKernel	jonrob_20080912	v9r2	Remove space in RichParticleIDType string conversion
	cattanem_20080926	v9r2	Change WIN32 exclusions to GOD_NOALLO in hand made header files
L0/L0MuonKernel	jucogan_20080921	v8r3	New histos names + bug fixes
Phys/DaVinciMCKernel	odescham_20080925	v2r11	Particle2MCLinker : make context() to be contagious from mother to association method
Phys/LoKiAlgo	vanya_20080916	v7r6	add start/stop methods for (python) algorithms, required by new state machine
Phys/LoKiCore	vanya_20080921	v7r8	add comparison with (unsigned) integers & Armenteros-Podolanski variables
	vanya_20080923	v7r8	add helper base class LoKi::FilterAlg & LoKi::Kinematics::chi2mass function
Phys/LoKiPhys	vanya_20080921	v7r8	add Armenteros-Podolanski's functors
	vanya_20080923	v7r8	add new functors: NMASS,DPDGM,ADPDGM,CIH2PDGM, ...
	vanya_20090929	v7r8	add new functors D2D*: various vertex "distances" within the cascade decays
Phys/LoKiHlt	vanya_20080921	v1r0	new package for HLT-related functors & factory
	vanya_20080923	v1r0	"O1" -> "Odin"/"ODIN", + 3 new algorithms LoKi::(ODIN,L0,HDR)Filter
Rich/RichKernel	jonrob_20080923	v7r17	Update Python configurables for RichDAQ + Improvements to TAE decoding and handling
Rich/RichRecBase	jonrob_20080919	v3r17	Update fast ring fitter
	cattanem_20080928	v3r17	Fix requirements for use with make -j
Sim/SimComponents	cattanem_20080908	v2r12p1	improved FPE protection
ST/STTELL1Event	mneedham_20080906	v1r6	bug fix in STTELL1Error::linkInfo
	mneedham_20080913	v1r6	add fractionOK to error classes
Tools/CondDBUI	marcocle_20080926	v2r13	minor improvements
Tf/TfKernel	smenzeme_20080925	v2r8	fix FPE in LineHit in cos stereo angle method
Tr/TrackInterfaces	wouter20080915	v3r17	extended interface of ITrackProjector

Lbcom v6r23 (released on 8th October 2008)

Based on Lbcom v6r22 but using LHCb v25r2, and the following new tags

Package	User tag	Suggested official tag	Comment
Calo/CaloAssociators	odescham_20080925	v6r6	association for HLT calo objects (based on context)
Calo/CaloTools	odescham_20080922	v5r5	new CaloHypo2Calo tool
L0/L0Calo	schune_20080916	v9r18	Change SpdMult monitoring histo range
	robbep_20081003	v9r18	Fixes for Windows
L0/L0DU	odescham_20080926	v8r10	migrate all TCK options files to DBASE/TCK/L0TCK + improvement in

			monitoring
	cattanem_20081001	v8r10	Remove duplicate include
L0/L0Muon	jucogan_20080921	v8r2p1	Add protection for print out
L0/L0MuonMonitor	jucogan_20080921	v1r2	Upgrade histograms for online monitoring
Rich/RichDAQ	jonrob_20080923	v3r22	Update RawEvent decoding tool to allow multiple TAE RawEvents to be decoded. Revert change in previous release which caused the summaries to be always printed and not suppressable.
ST/STAlgorithms	mneedham_20080920	v3r1	add event [spill] merging algorithm
ST/STDAQ	mneedham_20080909	v3r12	protect against zero banks processed
	cattanem_20080912	v3r12	fix untested StatusCode
	mneedham_20080912	v3r12	fix compilation warnings
	mneedham_20080913	v3r12	reduce number of warning messages printed
	mneedham_20080913_2	v3r12	improve bookkeeping in recovery mode
	mneedham_20080917	v3r12	move check of valid spill before put
	mneedham_20080917_2	v3r12	fix bug if only have central spill
	mneedham_20080919	v3r12	bug fix in recovery mode
	mneedham_20080920	v3r12	better bookkeeping in recovery mode
Velo/VeloSimulation	dhcroft_20080910	v3r6	Removed finalize printout of nan when no events processed

Rec v5r12 (released on 8th October 2008)

Based on Rec v5r11 but using LHCb v25r2, and the following new tags

Package	User tag	Suggested official tag	Comment
Calo/CaloMoniDst	odescham_20080922	v3r2	review monitoring histo production
	cattanem_20080923	v3r2	fix compilation warning
Calo/CaloReco	odescham_20080922	v4r16	review clusterization + options
Muon/MuonPIDChecker	miriamg_20080909	v2r4	New MuonPIDMonitor options file
	cattanem_20080917	v2r4	Fix the new options file
Muon/MuonTrackAlign	smenzem_20080929	v1r7	change verbosity level
Rich/RichMarkovRingFinder	jonrob_20080919	v2r2	Suppress some warnings, Update monitor and remove certain characters from histogram titles that upset DIM ...
Rich/RichRecAlgorithms	jonrob_20080923	v2r14	Update the isolated trackless ring finding algorithm
Rich/RichRecQC	jonrob_20080912	v2r23	Only fill occupancy plots when #hits > 0
Rich/RichRecTools	jonrob_20080912	v4r6	Fix unchecked StatusCode
	jonrob_20080919	v4r6	Turn of histogram printing by default in RichPIDPlots tool
	jonrob_20081001	v4r6	Remove incorrect use of Conditions
Tf/PatAlgorithms	smenzeme_20080925	v3r11	configure PatForward in scripts as private tool
Tf/PatVelo	dhcroft_20081001	v3r9	Updated PatVeloFitLHCbIDs to refit VELO part of long tracks for possible HLT use
Tf/TrackSys	wouter_20080905	v4r18	ConfiguredFitters replaces Fitting.py
	jonrob_20080914	v4r18	Convert TrackClones.opts to python + add

			some missing CMT use statements
	dhcroft-20080919	v4r18	Added VeloTEDOne.py to reconstruct Aug->Sept. 10th VELO TED data
	smenzeme_20080925	v4r18	tested/included Wouter's changes to fitter configurables, add TrackRecoHLT.py script for HLT2 tracking sequence
	smenzeme_20080929	v4r18	include MuonAlign in RecoTracking.py + add some configurables
Tf/TsaAlgorithms	mneedham_20080912	v3r6	Fix untested StatusCode
	mneedham_20080917	v3r6	Add ITGenericTracking
	mneedham_20080919	v3r6	bug fixes ITGenericTracking
Tr/TrackCheckers	smenzeme_20080925	v4r3	minor bug fix
Tr/TrackFitEvent	wouter20080915	v3r18	added new data to fitnode
	cattanem_20080926	v3r18	Change WIN32 exclusions to GOD_NOALLOC in hand made header files
Tr/TrackFitter	wouter20080926	v2r28	introduced ConfiguredFitters, adapted to change in TrackProjector
Tr/TrackMonitors	wouter20080918	v1r4	added configurable for trackmonitorsequence. added residual histograms
Tr/TrackProjectors	wouter20080926	v2r19	added project method for FitNode, added TrajOTCosmicsProjector, cleanup
Tr/TrackTools	wouter20080926	v3r12	made TrackVertexer and MeasProvider less verbose, added optin to set cluster location in STMeasProvider
Velo/VeloRecMonitors		v1r1	

Geant4 v91r2p3 (released on 1st October 2008)

Based on Geant4 v91r2p2 and the following new tags

Package	User tag	Suggested official tag	Comment
Geant4/G4FR	gcorti_20080930	v4r2	take dawn and david from external
Geant4/G4config	gcorti_20080930	v91r2p3	only change version number
Geant4Sys	gcorti_20080930	v91r2p3	take new packages

Gauss v35r1 (released on 13th October 2008)

Based on Gauss v35r0 using LHCb v25r1, Geant4 v91r2p2 and the following new tags

Package	User tag	Suggested official tag	Comment
Gen/EvtGen	robbep_20080920	v10r0	Adapt to Pythia6.4
Gen/Generators	robbep_20080920	v9r1	Possibility to switch off decay tool
Gen/GENSER	robbep_20080920	v4r3	Put temporary fix for prompt J/psi production in Pythia 6.4
	robbep_20080923	v4r3	Activate weighting of quarkonium events
Gen/LbPythia	robbep_20080920	v8r1	Set new charmonium models as default for Pythia
	robbep_20080923	v8r1	Set new charmonium models as default in the code
	gcorti_20081008	v8r1	dummy options file for production
Sim/GaussKine	robbep_20080923	v3r1	Fix optical photon polarization

Rec v5r12 (released on 8th October 2008)

	gcorti_20081008	v3r1	Printout moved to debug level
Gen/DecFiles	gcorti_20080926	v15r2	Fix particle gun evttype in automatic generation
Sim/GaussMonitor	gcorti_20081008	v6r0p1	Printout moved to debug level
Sim/GaussTools	gcorti_20081008	v15r0p1	Add printout of physics constructors registered in initialization
Gen/ParticleGuns	gcorti_20081009	v6r1	Fix bug in FlatSmearVertex
Sim/GiGa	gcorti_20081010	v19r3	Fix from Marco Pappagallo for colors in gauss vis
Sim/Gauss	gcorti_20081010	v35r1	Many changes in python options

Boole v16r3 (released on 13th October 2008)

Based on Boole v16r2 but using Lbcom v6r23, LHCb v25r2, and the following new tags

Package	User tag	Suggested official tag	Comment
BooleSys	cattanem_20080916	v16r3	add a QMTest for sam installation
Calo/CaloDigit	cattanem_20080910	v2r9	add a FPE protection
Digi/DigiAlg	cattanem_20081009	v4r11	add trigger type and bx type info to ODIN
Digi/Boole	cattanem_20080912	v16r3	disable a qmtest on slc4_ia32_gcc34_dbg
	cattanem_20080926	v16r3	LHCbApp() now includes DDDB.py
	cattanem_20081009	v16r3	Add Boole-FST09.py

Brunel v33r3 (released on 13th October 2008)

Based on Brunel v33r2 but using Rec v5r12, Lbcom v6r23, LHCb v25r2, and the following new tags

Package	User tag	Suggested official tag	Comment
Rec/Brunel	cattanem_20080912	v33r3	Fix Brunel_Ganga.py defaults
	cattanem_20080918	v33r3	Remove Brunel.opts
Rec/Brunel	dhcroft20080922	v33r3	Added 2008-TED-Files.py to options and made mcLinksSequence a configurable
	cattanem_20080926	v33r3	LHCbApp() now includes DDDB.py

Brunel v33r3p1 (released on 15th October 2008)

Patches on top of Brunel v33r3 for "alignment" production

Package	User tag	Suggested official tag	Comment
Rec/Brunel	cattanem_20081014	v33r3p1	Add Brunel-MC-2008-VeloOpen.py, Brunel-MC-BOff-2008-VeloOpen.py, fix valgrind.job for use on CAF, remove version directory in scripts, fix PatCheckSeq with VeloOpen
Muon/MuonPIDChecker	cattanem_20081015	v2r4p1	Protect divide by zero
Tf/PatAlgorithms	mschille_20081006	v3r12	PatSeeding: add protection against very hot events
	mschille_20081007	v3r12	PatSeeding: add status flag to ProcStatus in case of very hot events
	wouter_20081015	v3r12	fix PatFwdTool::qOverP for zero magnetic field scale factor

-- MarcoCattaneo - 15 Oct 2008 -- GloriaCorti - 10 Oct 2008

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