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Releases based on LHCb v28r4 (and Gaudi v21r6, LCG_57a)

This page documents releases based on LHCb v28r4. **Do not edit**, the content of these releases is frozen.

LHCb v28r4 (Released on 30th November 2009)

Based on LHCb v28r3, with the following new tags

Package	User tag	Suggested official tag	Comment	Release?
Calo/CaloDAQ	odescham_20091124	v4r16	fix extented data locations	
Calo/CaloInterfaces	odescham_20091120	v7r17	Complete ICalo2MCTool	Needed by next DaVinci release
Calo/CaloUtils		v8r9		
Det/DDDB	ishapova_20091127	v1r25	New default global tag for LHCBCOND	
Det/DetDesc	vanya_20091115	v18r17	Substitute "Knuth-compare" by "Lomont-compare"; remove GSL	
Det/DetDescChecks	vanya_20091115	v5r0	rename algorithms; add python scripts & qm-tests	
	cattanem_20091116		Remove obsolete files	
Det/DetDescSvc	vanya_20091115	v2r4	remove GSL	
	cattanem_20091116		Remove obsolete file	
Det/Magnet	smenzeme_20091124	v5r5	bug fix for magnetic field scale factor	Yes, also released in Brunel v35r9p1
Det/VeloPixDet	cocov_20091126	v1r2	modification of the way to access the pixels position by adding static vectors	
	cocov_20091127		replace uint32_t by unsigned int + remove some other warning	
Event/EventPacker		v2r1	PackMCParticle and PackMCVertex now return if output container exists	Yes, also released in Boole v19r9
Event/MCEvent	marcin_20091127	v2r16	add new objects used by pixel Velo	
GaudiConf		v13r1	Improve robustness of packing sequence for .digi and .dst	Yes, also released in Brunel v35r9p1 and Boole v19r9
	truf_20091126		changed an import .opts to .py in Tae_ondemand.py	Yes, also released in Brunel v35r9p1 and Boole v19r9
L0/L0MuonKernel	jucogan_20091124	v8r9	Follow up minor changes in raw data format (PU error field) - independant of L0/L0Muon jucogan_20091124	
Phys/LoKiCore	vanya_20091125	v9r7	LoKi::FilterAlg : fix stupid bug in decoding of of "Code" and "Preambulo " properties	
Tr/TrackKernel	wouter_20091124	v1r2	added method to get chi2 contribution of track to vertex	

Lbcom v7r10 (Released on 30th November 2009)

Based on Lbcom v7r9, with the following new tags

Package	User tag	Suggested official tag	Comment	Release?
Calo/CaloTools	odescham_20091123	v5r14	Complete Calo2MCTool	
Hlt/HltDAQ	tskwarni_20091126	v1r2	covariance matrix in HltVertexReports (new bank format), Decode Part2Vtx info if present in HltSelReports	
L0/L0Calo	robbep_20091124	v10r2	Add monitoring algorithm of L0 calibration constants	
	robbep_20091125		Add more complete print out for monitoring algorithms	
	robbep_20091127		Fix output level of messages for online monitoring	
L0/L0Muon	jucogan_20091124	v8r5p3	Fix for decoding L0Muon banks v3 - independant of L0/L0MuonKernel jucogan_20091124	
OT/OTMonitor		v3r1	Remove expert histogram, which was broken anyway (crashes Boole)	Yes. Also released with Boole v19r9
ST/STMonitors	mtobin_20091125	v2r2	add extra histograms for online monitoring of error banks	
ST/STTools	mtobin_20091125	v3r14	protect against empty containers/read pedestals from conddb	
Velo/VeloDAQ	krinnert_20091125	v4r12	Fixed memory leak in error bank decoder, changes in message severity	

Rec v7r10 (released 1st December 2009)

Based on Rec v7r9, with the following new tags

Package	User tag	Suggested official tag	Comment	Release?
Muon/MuonID	asarti_20091127	v7r4	MuonIDAlg.cpp Minor fix in muProb calculation from binned dll	tagged
Rec/GlobalReco	jonrob_20091124	v6r29	Add work around for old MuonPID data objects with IsMuon=true but IsMuonLoose=false or InAcceptance=false (see bug 59425)	tagged
Tf/PatAlgorithms	mschille_20091126b	v3r25	make PatSeedingTool put χ^2 , ndf of internal fit on the track for use in the trigger	
	mschille_20091126c		change the way an FPE in PatSeedTool is caught to a faster alternative	
	mschille_20091126d		move fits in pattern reco to CholeskyDecomp class from ROOT	tagged
Tf/TsaAlgorithms	mneedham_20091125	v3r14p1	Add python options for no drift in OT	Yes, also released in Brunel v35r9p1
Tr/TrackFitter	wouter_20091126	v2r41	patch to work around problem with toolhandles. fixes 'noDriftTime' fit	Yes, also released in Brunel v35r9p1
	mschille_20091126a	v2r42		

			use the implementation of Cholesky decomposition based Matrix inversion in ROOT instead our own one	
Tr/TrackTools	smezeme_20091124	v3r24	set default track momentum for field off to 10 GeV	Yes, also released in Brunel v35r9p1
Tr/TrackMonitors	rlambert_20091127	v1r17	pointer protection, bug https://savannah.cern.ch/bugs/index.php?59675	tagged

Rec v7r11 (released 3rd December 2009)

Based on Rec v7r10, with the following new tags

Package	User tag	Suggested official tag	Comment	Release?
Velo/VeloRecMonitors	erodrigu_20091128	v2r4	Improvements/fixes to VeloExpertClusterMonitor	tagged
Tr/PatPV	pmorawsk_20091203	v3r10	optimized execution time of LSAdaptPV3DFitter and PatPV2DFit3D + bug fix	tagged
Tf/TsaAlgorithms	panmanj_20091128	v3r14p2	fix to clone killing in TTGenericTracking	tagged

Brunel v35r10 (released 2nd December 2009)

Based on Brunel v35r9 but using Rec v7r10, Lbcom v7r10, LHCb v27r10, and the following new tags

Package	User tag	Suggested official tag	Comment
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Brunel v35r10p1 (released 7th December 2009)

Based on Brunel v35r10 with the following new tags

Package	User tag	Suggested official tag	Comment
Rich/RichRecSys	v3r23	v3r23	allow track selection cuts to be over-ridden
Tf/PatAlgorithms	sstahl_20091204	v3r26	Added check to prevent PatDownstream from dividing by zero with magnet off data
	mschille_20091207		fix bug in PatSeedFit which could cause crash in PatSeedTrack constructor
Tr/TrackFitter	wouter_20091206	v2r42	Make sure tracks with poca failure fail properly
Tr/TrackMonitors	v1r17p1	v1r17p1	Suppress excessive warnings in PitchResTool.cpp

Boole v20r0 (deadline Monday 7th December)

Based on Boole v19r9 but using Lbcom v7r10, LHCb v28r4, and the following new tags

Package	User tag	Suggested official tag	Comment
Digi/Boole	cattanem_20091204	v20r0	Switch on VeloTell1Processing by default
OT/OTAssociators		v4r4	

		Change property AcceptTime in OTMCDepositLinker to 9 ns (3 sigma)
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-- MarcoCattaneo - 27-Nov-2009

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