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Releases based on LHCb v29r1 (and Gaudi v21r7p1, LCG_58a)

This page documents releases based on LHCb v29r1. **Do not edit**, the content of these releases is frozen.

LHCb v29r1 (Released on 17th February 2009)

Based on LHCb v29r0, with the following new tags

| Package | User tag | Suggested official tag | Comment |
|---------------------------|-------------------|------------------------|---|
| Associators/MCAssociators | head | v1r0 | New package containing MCAssociation classes to be shared between DaVinci and Brunel |
| Calo/CaloDAQ | odescham_20100130 | v4r18 | fix pb with CaloL0DataProvider BeginEvent |
| DAQ/DAQUtils | odescham_20100128 | v1r1 | OdinTypesFilter : protection against missing ODIN bank |
| Det/DDDB | | v1r28 | Update default tags, add 2010 DataType |
| Det/DetDescChecks | | v5r2 | |
| Det/DetCond | r5921 | v12r10 | Add functionality to use latest tags |
| Det/Magnet | cattanem_20100208 | v5r7 | Fix for access to UpdateManagerSvc when not using CondDB |
| Det/MuonDet | asatta_20100209 | v9r1 | add methods |
| Det/OTDet | wouter_20100202 | v8r4 | Added interface to straw status flags |
| Det/RichDet | papanest_20100122 | v13r4 | Proper handling of the magnetic field |
| | papanest_20100205 | | Changed some output level from info to debug |
| Det/STDet | mneedham_20100102 | v4r17 | Protection in findTopLevelElement |
| Det/VeloDet | krinnert_20100207 | v13r9 | new residual method in DeVeloSensor needed in sensor alignment and improved documentation |
| | krinnert_20100208 | | bug fix in new intersection method |
| Event/L0Event | odescham_20100213 | v18r1 | update L0DUBase with hardware limitation number + adapt all L0DU xml's |
| Event/LumiEvent | panmanj_20100129 | v2r5 | add LumiMethods class and counter in LumiCounters |
| Event/RecEvent | asatta_20100209 | v2r26 | add MuonCluster class |
| GaudiConf | | v13r4 | fix bug 62625 |
| Kernel/LHCbAlgs | graven_20100205 | v2r32p1 | If DeterministicPrescaler accepts all events, do not say so using Info() |
| | gcorti_20100212 | v2r33 | Put LbAppInit factory back |
| Kernel/LHCbMath | vanya_20100208 | v3r16 | Fis for Win32 platform |
| | vanya_20100210 | | add missing file |
| L0/ProcessorKernel | jucogan_20100204 | v6r0 | Propagate unit properties to its daughter |
| L0/L0MuonKernel | jucogan_20100204 | v9r0 | Allow change of parameters during execution |
| Muon/MuonInterfaces | asatta_20100209 | v1r0 | New package |
| Phys/LoKiGen | vanya_20100210 | v8r8 | Add new symbols: $\mathbf{g\gamma}$ & $\mathbf{g\gamma_0}$ for evaluation |

| | | | |
|--------------------|-------------------|-------|---|
| | | | of rapidity $y = \frac{1}{2} \log \frac{E - p_z}{E + p_z}$ and $y_0 = \frac{1}{2} \log \frac{E - p}{E + p}$ |
| Phys/LoKiHlt | vanya_20100212 | v2r6 | Add new symbol ODIN_PRESCALE : functor implementation of DeterministicPrescaler, see task #13885. ↗ The idea and code belongs to Gerhard The Great Raven |
| Phys/LoKiMC | vanya_20100210 | v8r8 | Add new symbols: mcY & mcY0 for evaluation of rapidity $y = \frac{1}{2} \log \frac{E - p_z}{E + p_z}$ and $y_0 = \frac{1}{2} \log \frac{E - p}{E + p}$ |
| | pkoppenb_20100212 | v8r8 | Remove useless dependency on DaVinciMCKernel |
| Rich/RichKernel | jonrob_20100211 | v7r30 | Improvements to the histogramming base classes |
| Rich/RichRecBase | jonrob_20100122 | v3r26 | Increase maximum CK theta for aerogel to match 2009 real data |
| ST/STKernel | mtobin_20100208 | v1r19 | added missing python dictionary |
| | mtobin_20100210 | | Modified detector plot class |
| | mtobin_20100211 | | bug fix in generation of dictionary |
| Tools/CondDBUI | r5940 | v3r2 | various updates |
| Tf/TfKernel | wouter_20100128 | v2r15 | added hitsLocalXRange to hit creators |
| Tr/TrackInterfaces | mschille_20100127 | v4r10 | add ITrackHitCollector interface |
| | mschille_20100201 | | ITrackHitCollector: include improvements suggested at the Tracking workshop |
| | decianm_20100209 | | changed IAddTTClusterTool for new PatAddTTCoord |

Lbcom v8r2 (Released on 17th February 2010)

Based on Lbcom v8r1, with the following new tags

| Package | User tag | Suggested official tag | Comment |
|---------------------|-------------------|------------------------|--|
| Calo/CaloTools | odescham_20100213 | v5r15 | HeraBExtrapolator->RungeKutta |
| L0/L0DU | odescham_20100204 | v10r2 | workaround for weird compilation error on windows |
| | jucogan_20100212 | | Add a python module to access individual L0 algorithms |
| | odescham_20100213 | | detailed hardware-consistency check of L0TCKs + automatic condition ordering |
| | jucogan_20100215 | | add missing file |
| L0/L0Muon | jucogan_20100204 | v9r0 | Use CondDB for emulator configuration + clean up |
| | jucogan_20100205 | | disable the access to CondDB |
| | jucogan_20100208 | | Fix compilation warning + protection against missing condition in DB |
| | jucogan_20100209 | | fix bug when filling L0MuonError |
| Rich/RichMCMonitors | jonrob_20100211 | v1r7p2 | Adapt to RichKernel changes |

| | | | |
|----------------------|------------------|---------|--|
| Rich/RichTools | jonrob_20100212 | v2r28p1 | Fix untested StatusCode warning |
| ST/STMonitors | mtobin_20100208 | v2r4 | modified histo binning and added new histo |
| | mtobin_20100210 | | Modified cluster monitor |
| | mtobin_20100210 | | Added some histograms, counters and fixed some indentation |
| | mtobin_20100215 | | minor bug fixes |
| ST/STTools | mtobin_20100208 | v3r16 | modified reading of condition from dbase |
| Velo/VeloAssociators | dhcroft_20100204 | v2r4 | Better associate clusters to MCParticles with MCHits from delta rays |

Rec v8r1 (Released on 18th February 2010)

Based on Rec v8r0, with the following new tags

| Package | User tag | Suggested official tag | Comment | release? |
|----------------------|-------------------|------------------------|---|---------------|
| Calo/CaloMoniDst | odescham_20100128 | v4r4 | update SpdMonitor + CaloEFlow (Albert & Aurélien) | |
| | dgolubko_20100130 | | CaloEMuMonitor: add histograms, update ref.values | |
| | odescham_20100205 | | fix initialization | |
| | cattanem_20100211 | | Replace DaVinciMCKernel dependency with MCAssociators | tagged v4r4 |
| Calo/CaloPIDs | dgolubko_20100208 | v5r4 | add reading of the DLLs from CondDB | |
| | odescham_20100213 | | HeraBExtrapolator->RungeKutta | tagged v5r4 |
| Muon/MuonID | helder_20100210 | v7r7 | MuonID parameters can now be read from conditions database, DLL using hyperbolic tangent histos option (DLL_flag=3) | |
| | helder_20100216 | | Made MC09 the default configuration file | |
| | rlambert_20100216 | | Fix windows compilation warning | tagged v7r7 |
| Muon/MuonPIDChecker | helder_20100210 | v4r1 | Added compatibility with DLL_flag=3 - histograms of hyperbolic tangent of distances | tagged v4r1 |
| Muon/MuonTools | asatta_20100209 | v5r1 | New tools | |
| | rlambert_20100216 | | fix windows compilation error | |
| | rlambert_20100217 | | fix windows compilation error | tagged v5r1 |
| Muon/MuonTrackRec | rlambert_20100216 | v3r0p1 | Added vectorisation to avoid warning in wondows nightly | tagged v3r0p1 |
| Rec/LumiAlgs | panmanj_20100212 | v3r3 | add LumiLow FSR | tagged v3r3 |
| Rich/RichIFBAnalysis | jonrob_20100131 | v1r1p1 | Various minor improvements and bug fixes | |
| | youngr_20100212 | | Dark count code added; Improvements to speed | |
| | jonrob_20100213 | | Compilation fixes for latest RichKernel version | tagged v1r1p1 |

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|---------------------------|--------------------|---------|---|-------------------|
| Rich/RichRecMonitors | jonrob_20100211 | v2r25 | Adapt to RichKernel changes | tagged v2r25 |
| Rich/RichRecQC | jonrob_20100122 | v2r36 | Increase max CK theta value for aerogel | |
| | papanest_20100124 | v2r36 | ntuples for RichAlignmentMonitor | |
| | jonrob_20100131 | | Add new clustering monitor, fix logic error in alignment monitor and suppress some MC related printout in MC-free running | |
| | jonrob_20100203 | | Add new histogram that shows the raw expected CK theta distributions for each radiator | |
| | papanest_20100205 | | change default range of alignment histos | |
| | jonrob_20100211 | | Adapt to RichKernel changes | |
| | youngr_20100212 | | 2-D IFB hitmaps disabled | tagged v2r36 |
| Rich/RichRecTemplateRings | seaso_20100128 | v1r3 | Added some fixes in selecting hits for finding Cherenkov rings | tagged v1r3 |
| Rich/RichRecTools | jonrob_20100211 | v4r9p2 | Adapt to RichKernel changes | tagged v4r9p2 |
| Rich/RichRecTrackTools | jonrob_20100211 | v1r16p1 | Adapt to RichKernel changes | tagged v1r16p1 |
| Rich/RichRecSys | jonrob_20100212 | v3r26 | Add temporary correction to aerogel CK theta values for earlyData. To be removed once DB is properly updated | tagged v3r26 |
| Tf/PatAlgorithms | decianm_20100212 | v3r29 | new parameters, parametrisation and methods in PatAddTTCoord, fixed unchecked StatusCode | |
| | smenzeme_20100213 | | latest early data tuning for PatDownstream and PatForward | tagged v3r29 |
| Tf/TfTools | wouter_20100128 | v1r10 | added hitsLocalXRange to hit creators | tagged v1r10 |
| Tf/TrackMatching | decianm_20100208_2 | v2r27 | changes in AddTTClusterTool for new IAddTTClusterTool | tagged v2r27 |
| Tf/TrackSys | smenzeme_20100213 | v4r30 | move all decoding and clustering at the beginning of the tracking sequence | tagged v4r30 |
| Tr/PatPV | witekma_20100209 | | improvements for displaced PV | |
| | graven_20100211 | | make sure that filterPassed is set to false if no vertices found under all circumstances | |
| | smenzeme_20100213 | | add PatPVVeryLoose.py for the tuning on 2009 data | tagged v3r13 |
| Tr/PatChecker | pmorawsk_20100211 | v3r6 | added VELO tracks counetr, some printouts and histos; shifts measured with respect to MC position | |
| | pmorawsk_20100211a | | fixed bug in previous version | tagged v3r6 |
| Tr/TrackExtrapolators | graven_20100211 | v2r24p2 | SimplifiedMaterialLocator: change 2 messages during initialize from | tagged v2r24p2 |

| | | | Info to Debug | |
|----------------------|-------------------|-------|--|----------------|
| Tr/TrackFitEvent | wouter_20100201 | v4r4 | added muon chi2 information to KalmanFitResult | |
| | wouter_20100214 | | added flag that tells how drifttime was used by track fit | tagged v4r4 |
| Tr/TrackFitter | wouter_20100216 | v2r45 | configurable changes needed for HLT | tagged v2r44p1 |
| Tr/TrackMonitor | wouter_20100202 | v1r20 | added profiles to OTHitEfficiencyMonitor | |
| | svecchi_20100209 | | added TrackMuonMatchMonitor | |
| | wouter_20100214 | | added histograms to OTEffMonitor and OTTrackMonitor | tagged v1r20 |
| Tr/TrackProjectors | wouter_20100214 | v2r27 | improvements in TrajOTProjector | tagged v2r27 |
| Tr/TrackTools | mschille_20100127 | v3r26 | add TrackHitCollector tool (collects hits around a track) | |
| | mschille_20100201 | | TrackHitCollector: include improvements suggested at the Tracking workshop | tagged v3r26 |
| Tr/TrackUtils | wouter_20100128 | v1r34 | added TrackHitAdder | |
| | wouter_20100202 | | fixed bug in TrackV0Utils (Marco Cattaneo) | tagged v1r34 |
| RecSys | smenzeme_20100215 | v8r1 | call different PatPV options for "2009" datatype and/or "earlyData" special data | |
| Velo/VeloRecMonitors | malexand_20100201 | v2r6 | added filtering of beam-gas to VeloIPResolutionMonitor | |
| | siborghi_20100209 | | bug fix and update residual method to the change in Det/VeloDet in krinnert_20100208 | |
| | szumlat_20100210 | | Add projected angle computation in VeloTrackMoniNT algorithm | tagged v2r6 |

Hlt v9r1 (released on 19th of February)

Based on Hlt v9r0 but using LHCb v29r1, and the following new tags

| Package | User tag | Suggested official tag | Comment |
|---------------------|-------------------|------------------------|--|
| Hlt/HltBeamGasAlley | graven_20100212 | v2r2p4 | replace float by double |
| | graven_20100213 | | do not generate an error() message when there is no real error |
| | phopchev_20100214 | | use variable bin-width in BeamGasTrigVertexCut |
| | graven_20100215 | | fix compiler warning |
| Hlt/HltCommon | graven_20100214 | v5r18 | add direct tar file write support to ConfigTarFileAccessSvc |
| | graven_20100217 | | fix for windows compilation, make ConfigTarFileAccessSvc the default IConfigFileAccessSvc |
| Hlt/HltConf | graven_20100208 | v6r4 | remove explicit rate limit on individual Hlt2ExpressLines when setting express bit, this is now intrinsic in the line definition |

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| | graven_20100208a | | put final rate limit on express stream in a slot |
| | albrecht_20100209 | | set express rate limit to 5Hz |
| | gligorov_20100211 | | Change SoftDiHadron to DiHadronSoft |
| | graven_20100211 | | add L0ConfirmWithT/THadronConf to HltInit.py |
| | graven_20100212 | | update names of beamgas, minibias and nobias lines |
| | graven_20100212a | | follow changes in HltGlobalMonitor |
| | graven_20100214 | | move some options files to Hlt2Lines to make them more localized |
| | gligorov_20100218 | | Update Hlt2.py to follow changes in Hlt2PID.py |
| | kvervink_20100218 | | regrouped some alleys for the HltGlobalMonitor |
| Hlt/HltGlobalMonitor | graven_20100212 | v3r1 | generalize and streamline |
| | graven_20100215 | | fix windows compiler warnings |
| | kvervink_20100218 | | unused histograms are removed |
| Hlt/HltLine | gligorov_20100206 | v3r1 | Allow rate limiting pre/postscalers using the "RATE(X)" syntax |
| | graven_20100208 | | cosmetic tweak of the above |
| | graven_20100209 | | fix PV2D fitter configuration as indicated by Mariusz |
| | graven_20100214 | | cleanup reco sequences |
| | graven_20100215 | | make MinimalRZVelo available |
| Hlt/HltL0Conf | graven_20100212 | v2r13p1 | reduce some info() messages to debug() |
| Hlt/HltMuon | graven_20100212 | v3r5p4 | replace some floats with doubles |
| Hlt/HltMuonAlley | graven_20100212 | v3r0p1 | replace some floats with doubles |
| Hlt/HltSettings | gligorov_20100204 | v1r8 | Include a threshold settings used for the L0 hadron confirmation study |
| | albrecht_20100209 | | fix syntax error in new Configuration |
| | gligorov_20100211 | | Change SoftDiHadron to DiHadronSoft |
| | graven_20100211 | | activate beam gas lines in Physics_320Vis_300L0.... |
| | graven_20100212 | | follow name changes |
| | albrecht_20100213 | | follow name changes in unbiased dimuon lines |
| | albrecht_20100213a | | remove duplicate HLT1 muon lines |
| | graven_20100214 | | remove B2DX lines from 2010 settings, see https://savannah.cern.ch/bugs/?59641 |
| | albrecht_20100217 | | add Drell-Yan lines to Feb10 setting |
| | graven_20100217 | | remove the B2DX lines from the 2010 settings, see https://savannah.cern.ch/bugs/?62726 |
| Hlt/HltTracking | graven_20100211 | v4r4p2 | reduce verbosity during initialize |
| Hlt/Hlt1Lines | graven_20100209 | v2r1p1 | add ODIN filter to Hlt1L0xxx lines which have a MASK defined in L0 configuration |
| | gligorov_20100211 | | Change SoftDiHadron to DiHadronSoft |
| | graven_20100211 | | add rate limit to beamgas lines |
| | graven_20100212 | | update names of beamgas, minibias and nobias lines to allow easier pattern matching |
| | graven_20100212a | | put TT decoding in HadronViaT behind PV2D |
| | graven_20100214 | | enable some reco in lumi lines, remove 2D histograms in lumi lines |
| | phopchev_20100214 | | updated the BeamGasLines to use ODIN_TRGTYPE |
| | phopchev_20100215 | | fixed typos; removed development fragments |

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|-------------------------|--------------------|--------|---|
| | graven_20100215 | | add L0 predicate to BeamGasLines |
| | graven_20100215a | | few more small tweaks to ForcedRZVelo beamgas line |
| | graven_20100215b | | final (?) tweak to ForcedRZVelo beamgas line |
| | graven_20100217 | | remove TTGeneric from lumi, see https://savannah.cern.ch/bugs/?62933 |
| | albrecht_20100218 | | loose PR cuts in muon lines |
| Hlt/Hlt2Lines | albrecht_20100205 | v2r4 | revert accidental commit which disabled the setting of the properties RMin1 and RMin2 of Hlt2DisplVerticesLines.py |
| | graven_20100208 | | use explicit RATE(X) postscalers in Hlt2ExpressLines Add new module |
| | graven_20100212 | | eliminate some run-time warnings by setting the right properties |
| | albrecht_20100213 | | add Drell-Yan lines, name change from Unbiased.. to DiMuonUnbiased |
| | albrecht_20100213a | | modify cutsin Hlt2ExpressLines.py |
| | graven_20100214 | | move options files from HltConf to Hlt2Lines to make them more local |
| | graven_20100214a | | switch off muon PID in Hlt2TrackFitForTopo |
| | gligorov_20100218 | | Change inclusive lines (topo,charm,phi,b2dx) to follow changes in Hlt2PID.py |
| Hlt/Hlt2SharedParticles | graven_20100214 | | follow movement of options files from HltConf to Hlt2Lines |
| | gligorov_20100218 | | Major change to Hlt2PID and other files, see Savannah 12691,13784 |
| Hlt/TCKUtils | graven_20100217 | v1r6p2 | make sure that ConfigTreeEditor uses the right IConfigFileAccessSvc instance |

Phys v9r1 (released 19th February 2010)

| | | | |
|----------------------|-------------------|------|---|
| Phys/DaVinciMCKernel | gligorov_20100211 | v4r2 | Move linker classes needed by Brunel to new package Associators/MCAssociators |
| Phys/LoKiAlgo | vanya_20100209 | v8r2 | Add protection for missing primary vertices |
| Phys/LoKiAlgoMC | cattanem_20100214 | v8r2 | Add HybridMCParticleArrayFilter.cpp, moved from LoKiMC |

Boole v20r3 (Released 19th February 2010)

Based on Boole v20r2 but using Lbcom v8r2, LHCb v29r1, and the following new tags

| Package | User tag | Suggested official tag | Comment |
|------------------|-----------------|------------------------|--------------------------------|
| Rich/RichReadout | jonrob_20100212 | v2r12p2 | Adapt to changes in RichKernel |

Brunel v36r1 (Released 19th February 2010)

Based on Brunel v36r0 but using Rec v8r1, Lbcom v8r2, LHCb v28r1, and the following new tags

| Package | User tag | Suggested official tag | Comment |
|------------|-------------------|------------------------|---|
| Rec/Brunel | cattanem_20100129 | v8r1 | Remove obsolete OTTimeCreator from CheckOTSeq |

-- MarcoCattaneo - 12-Feb-2010

This topic: LHCb > LHCb_v29r1_Releases

Topic revision: r13 - 2010-02-20 - MarcoCattaneo



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