
Subject: new ilcsoft production patch release v01-16-02
Posted by [rosemann](#) on Thu, 20 Dec 2012 16:17:18 GMT
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Dear all,

a new patch production release of ilcsoft (v01-16-02) is available.

This release is based on the previous patch release (v01-16-01).

This patch release includes bug fixes in MarlinReco, a fix to KalTest and minor version upgrades of the packages MarlinTPC and PathFinder (see Changelog below).

Please refer to the Release notes below for more details.

Use the ilcinstall tool with the appropriate configuration files in order to install ilcsoft v01-16-02.

Reference installation in afs are available at:

`/afs/desy.de/project/ilcsoft/sw/x86_64_gcc41_sl5/v01-16-02 # SL5 64bit`
`/afs/desy.de/project/ilcsoft/sw/i386_gcc41_sl5/v01-16-02 # SL5 32bit (deprecated)`

Please report any problems and questions regarding this release in this forum.

Cheers & Merry Christmas,

Christoph, for the iLCSoft team.

Release Notes for v01-16-02 and v01-16-01 (for v01-16 see previous posts)

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Changes in v01-16-02 w.r.t. iLCSoft v01-16-01

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MarlinReco: to v01-06 from v01-05

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- updated IsolatedLeptonfinder (T.Tanabe)
 - LAL Lepton Finder included in IsolatedLeptonFinderProcessor
- updated BCalTagEfficiency (J.List)
 - new option in BCalTagEfficiency: allows to pick correct MCParticles from BCALMCTruthLink collection written by SGV
- updated FPCCDClustering (D.Kamai)
 - t.mori enable to define pixel size for each layer.
- fixed memory leak in BCalReco - fix provided by D.Jeans
 - (loop variable in BCalReconstruction::Free3DArray)

Interface changed.

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KalTest: to v01-05-02 from v01-05-01
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An infinite loop is now avoided by catching a division by zero due to unreasonably small values of tanLambda.
No interface changes.

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PathFinder: to v00-03 from v00-02
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- + added errors on track parameters
 - + added option to use vertex constraint for circles
 - + for allowed distance between hit and track different values can be used before and after the fit
 - + for circles use inverse of distance between origin and center of circle instead of the distance
- Interfaces changed.

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MarlinTPC: to v00-11 from v00-10
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- + Updated the interface processor to PathFinder v00-03

- + Added example for CED Viewer
- + Updated magnetic field example
- !+ Fixed unnoticed collection modification in ChannelMappingProcessor: change in steering files!
- + introduced a single versions number file for simpler release management
- + lots of additions for Pixel reconstruction
- several smaller bug fixes

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Changes in v01-16-01 w.r.t. iLCSoft v01-16
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Updated versions of external tools
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Geant4: 9.5.p02

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LCIO: v02-03-03 / v02-03-02
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- fixed bug in TrackerHitPlaneImpl and TrackerHitZCylinderImpl with size of covariance matrix being 0 (no set to 6) that caused corrupted LCIO files when any hits of these types where written as "TrackerHit" types, e.g. in a new subset collection that is made persistent ...
this is no problem for the DBD standard reconstruction !
 - changelog from v02-03-02:
 - added lcio_merge_files tool
 - fixed cmake 2.6 incompatibility introduced in v02-00-02
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