

cet-is - Support #22404

Please provide Geant4 v4_10_5_p01 builds

04/18/2019 12:56 PM - Krzysztof Genser

Status:	Closed	Start date:	04/18/2019
Priority:	Normal	Due date:	05/03/2019
Assignee:	Lynn Garren	% Done:	100%
Category:		Estimated time:	16.00 hours
Target version:		Spent time:	3.00 hours
Scope:	Internal	SSI Package:	
Experiment:	-	Co-Assignees:	

Description

Please build all the variants of Geant4 v4_10_5_p01 built recently for Geant4 v4_10_4_p03

The patch is available from the download area:

<http://geant4.web.cern.ch/support/download>

The release notes are available at:

<http://geant4-data.web.cern.ch/geant4-data/ReleaseNotes/ReleaseNotes4.10.5.html>

<http://geant4-data.web.cern.ch/geant4-data/ReleaseNotes/Patch4.10.5-1.txt>

History

#1 - 04/22/2019 10:28 AM - Kyle Knoepfel

- Estimated time set to 16.00 h

- Assignee set to Lynn Garren

- Status changed from New to Assigned

#2 - 05/14/2019 09:34 AM - Lynn Garren

- Status changed from Assigned to Resolved

The SLF e17 builds of geant4 v4_10_5_p01 are now available from [SciSoft](#)

We have used qt v5_12_3 which is only available for SLF7.

#3 - 05/14/2019 09:34 AM - Lynn Garren

- % Done changed from 0 to 100

#4 - 05/14/2019 12:39 PM - Raymond Culbertson

The idea was to plug this version into our existing releases.

This means it has to be built with our current CLHEP, v2_3_4_6.

I also see that xerces_c has changed, but I think only geant cares about that, so I think that's OK, but experts should comment.

I think the same applies to the qt version, though again, experts should comment.

I think we could also potentially rebuild our current art (v2_12_01) consistent with the newer this CLHEP.

#5 - 05/14/2019 12:54 PM - Kyle Knoepfel

We will not provide a distribution of Geant 4.10.5 that is built with CLHEP 2.3. Geant 4.10.5's release notes states that CLHEP 2.4.1.0 is required (see the link Krzysztof provided)--and Lynn has provided a build that meets that requirement.

At this point, we recommend that Mu2e place every effort upgrading to art 3.02, which is compatible with Geant 4.10.5. Due to the SciSoft team's highly constrained effort, we strongly prefer to not produce an art 2.12 series with CLHEP 2.4. We ask Mu2e to discuss among themselves what the best path forward is, and then please get back to us.

#6 - 05/21/2019 10:20 AM - Lynn Garren

- Status changed from Resolved to Closed