

LArSoft - Task #14595

Milestone # 14454 (Resolved): Refactoring LArG4

7. Maintenance tasks - set up for going forward

11/22/2016 11:37 AM - Katherine Lato

Status:	Closed	Start date:	02/15/2017
Priority:	Normal	Due date:	07/12/2017
Assignee:	Hans-Joachim Wenzel	% Done:	100%
Category:	Simulation	Estimated time:	10.00 hours
Target version:		Spent time:	9.00 hours
Description			
7. Maintenance tasks - set up for going forward 7.1 Take care of future Geant4 releases. 7.2 Physics validation of releases.			

History

#1 - 11/22/2016 11:37 AM - Katherine Lato

- Due date set to 03/15/2017

- Estimated time set to 10.00 h

#2 - 04/26/2017 11:29 AM - Hans-Joachim Wenzel

- % Done changed from 0 to 90

Made sure that LArSoft works with the 10 series of geant 4. Worked with the geant 4 developers to make sure that our requests made it into the latest geant 4 release. 10.3.p01 now allows to access the number of produced photons without putting them on the stack (which is very expensive computing wise). Optical physics as well as step limiters can now be easily configured using physics constructors provided by geant4. This will allow to get rid of subroutines in LArG4 which do this tasks at the moment.

Gave presentations in the Larsoft coordination meetings. Next will be to build LArsoft against 10.3.p01.

#3 - 06/14/2017 12:03 PM - Katherine Lato

- Due date changed from 03/15/2017 to 07/12/2017

#4 - 11/28/2018 02:14 PM - Hans-Joachim Wenzel

- Status changed from Assigned to Resolved

- % Done changed from 90 to 100

#5 - 11/14/2019 01:35 PM - Katherine Lato

- Status changed from Resolved to Closed