GENIE - Feature #6542

Investigate GENIE/Geant interface for handling de-excitation photons

06/23/2014 10:36 AM - Gabriel Perdue

Status:	New		**Start date:**	06/23/2014
Priority:	Normal		**Due date:**	08/01/2017
Assignee:	Gabriel Perdue		**% Done:**	10%
Category:			**Estimated time:**	0.00 hour
Target version:			**Spent time:**	0.00 hour

Description

Understand what Geant has for de-excitation photons and try to figure out how to use it. It should be as simple as passing the correct excited state to Geant at the end of the event.

History

#1 - 06/24/2014 10:50 AM - Gabriel Perdue

- Due date changed from 09/23/2014 to 01/30/2015

Shifting the due date on this, it is unlikely to be part of the fall release.

#2 - 09/21/2015 09:39 AM - Gabriel Perdue

- Due date changed from 01/30/2015 to 12/14/2015

#3 - 05/02/2016 01:42 PM - Gabriel Perdue

- Due date changed from 12/14/2015 to 08/31/2016

#4 - 11/23/2016 11:24 AM - Gabriel Perdue

- Due date changed from 08/31/2016 to 08/01/2017

- Assignee set to Gabriel Perdue

- % Done changed from 0 to 10

This has morphed into a GENIE-G4 interfaces project that allows GENIE to use Geant4 for both some Final State Interaction calculations as well as for remnant de-excitation and evaporation. The main wokers on the task are actually at SLAC (especially Dennis Wright), but Steve Dytman and students are also involved. Fermilab's role is mostly consulting and advice, etc.