

LArSoft - Bug #16627

Cannot run g4 in argoneut simulation

05/23/2017 09:31 AM - Tingjun Yang

Status:	Resolved	Start date:	05/23/2017
Priority:	Normal	Due date:	
Assignee:	Tingjun Yang	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Occurs In:		Co-Assignees:	
Experiment:	ArgoNeut		

Description

Starting from v06_36_00, we cannot run g4 in argoneut simulation.

```
lar -c standard_sim_t962.fcl
```

gives the following error:

```
%MSG-e BeginJob: LArG4:largeant@BeginJob 23-May-2017 09:22:01 CDT ModuleConstruction
A cet::exception is going through WorkerT<EDProducer>:
```

```
%MSG
```

```
----- EEEE ----- G4Exception-START ----- EEEE -----
*** G4Exception : Run0041
    issued by : G4UserRunAction::G4UserRunAction()
    You are instantiating G4UserRunAction BEFORE your G4VUserPhysicsList is
    instantiated and assigned to G4RunManager.
    Such an instantiation is prohibited by Geant4 version 8.0. To fix this problem,
    please make sure that your main() instantiates G4VUserPhysicsList AND
    set it to G4RunManager before instantiating other user action classes
    such as G4UserRunAction.
*** Fatal Exception *** core dump ***
----- EEEE ----- G4Exception-END ----- EEEE -----

*** G4Exception: Aborting execution ***
Aborted
```

History

#1 - 05/23/2017 01:51 PM - Tingjun Yang

The simulation quits right after the following printout:

```
%MSG-i MaterialPropertyLoader: LArG4:largeant@BeginJob 23-May-2017 13:44:35 CDT ModuleConstruction
Added property TPB RINDEX
%MSG
%MSG-e BeginJob: LArG4:largeant@BeginJob 23-May-2017 13:44:35 CDT ModuleConstruction
A cet::exception is going through WorkerT<EDProducer>:
```

I believe this is related to the merging of feature//dgg_lightprop. I hope there is a way to turn off TPB related stuff.

#2 - 05/23/2017 03:23 PM - Tingjun Yang

- Status changed from New to Resolved
- Assignee set to Tingjun Yang
- % Done changed from 0 to 100

It turns out the fcl parameter LoadExtraMatProperties was not read in in LArPropertiesServiceArgoNeuT_service.cc. Fixed in

<ladata:0cca38e43c45312dc3c4f1d44b33e0adb3b71eb4>.