

Table of Contents

bug notification for Geant4 9.6.....	1
--------------------------------------	---

bug notification for Geant4 9.6

We are sorry to inform Geant4 users that a bug has been identified in the simulation of photoelectric effect using the **G4LivermorePhotoelectricModel** class, which was released in the Geant4 **9.6 release**.

In order to **solve this issue**, users can :

- either **download the corrected class (G4LivermorePhotoElectricModel.cc)** from <http://bugzilla-geant4.kek.jp/attachment.cgi?id=194> into their `$G4INSTALL/source/processes/electromagnetic/lowenergy/src` directory and **recompile their installation of Geant4**
- or, if the user is using the **G4EmLivermorePhysics** constructor in his/her application, he/she may copy directly the **G4EmLivermorePhysics.hh** and **G4EmLivermorePhysics.cc** files into his/her `./include` and `./src` application directories, then copy the **G4LivermorePhotoElectricModel.hh** and the corrected **G4PhotoElectricModel.cc** files in the same directories, and **recompile his/her application**. Location of files:
 - ◆ the file **G4EmLivermorePhysics.hh** is located in the Geant4 source directory `$G4INSTALL/source/physics_lists/builders/include`
 - ◆ the file **G4EmLivermorePhysics.cc** is located in the Geant4 source directory `$G4INSTALL/source/physics_lists/builders/src`
 - ◆ the file **G4LivermorePhotoElectricModel.hh** is located in the Geant4 source directory `$G4INSTALL/source/processes/electromagnetic/lowenergy/include`
 - ◆ the corrected file **G4LivermorePhotoElectricModel.cc** is available from <http://bugzilla-geant4.kek.jp/attachment.cgi?id=194>

The bug will be corrected in the next patch to Geant4 9.6.

Main Low Energy WG page

This topic: Geant4 > LivermoreBug

Topic revision: r4 - 2013-03-20 - SebastienIncerti



Copyright &© 2008-2022 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.

or Ideas, requests, problems regarding TWiki? use Discourse or Send feedback