
Subject: R3BRoot with Sept. external packages after updating Ubuntu to the new version.

Posted by [José Sánchez del Río Sáez](#)

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Dear all,

I have a problem with the execution of R3BRoot in the new external package of fairsoft, after having updated Ubuntu to the newest version (12). With the old version of fairsoft, I did not have this error.

Everything compiles good but when I execute the macro of R3BRoot of r3bsim.C I receive the following message:

```
-l g4Config() using g4conf macro:  
/home/josesrs/fairsoft_sept2012/r3broot/gconfig/g4r3bconfig.in
```

```
R3BPhysicsList::AddPhysicsList <penelope>  
R3BPhysicsList::AddPhysicsList <decay>  
R3BPhysicsList::AddPhysicsList <elastic>  
R3BPhysicsList::AddPhysicsList <binary>  
R3BPhysicsList::AddPhysicsList <binary_ion>  
R3BPhysicsList::AddPhysicsList <gamma_nuc>
```

```
***** Illegal application state </run/particle/dumpCutValues>  
(if I take out this command nothing changes)
```

```
*****
```

```
***** Batch is interrupted!! *****
```

```
*****
```

```
*           W A R N I N G !!!           *
```

```
*****
```

```
*
```

```
* Class G4AtomicDeexcitation is obsolete. It has been *  
* discontinued and is going to be removed by next Geant4 *  
* release please migrate to G4UAtomDeexcitation.
```

Where do I change this class for the new one?

Then the macro runs everything and goes on well, I execute: eventDisplay.C, califaAna.C and then but when I execute the macro checkResults.C, I find the following call:

```
Error: illegal pointer to class object branchCrystalHit 0x0 2939 checkResults.C:213:
```

And I cannot see the results.

I think it is a problem of the first error Batch is interrupted!! of the G4 package.

Any help?

Thanks!!

Jose Sanchez del Rio
