

# What should I do when I get an error message about missing Geant4 data files

Some Geant4 physics models require cross section data files. The locations of these datasets is specified by environment variables.

```
G4LEVELGAMMADATA
G4RADIOACTIVEDATA
NeutronHPCrossSections
G4LEDATA
G4ELASTICDATA
```

The datasets can be obtained from the [Geant4 downloads area](#).

Here is an example bash script for setting up these environment variables, assuming that the data files were downloaded and unpacked to the (fake) directory */path/to/data*.

```
#!/bin/sh
G4DATA=/path/to/data/
export G4LEVELGAMMADATA=$G4DATA/PhotonEvaporation2.0
export G4RADIOACTIVEDATA=$G4DATA/RadioactiveDecay3.1
export NeutronHPCrossSections=$G4DATA/G4NDL3.10
export G4LEDATA=$G4DATA/G4EMLOW4.1
export G4ELASTICDATA=$G4DATA/G4ELASTIC1.1
```