
Subject: Re: Physics List change

Posted by [Jan Mayer](#) on Tue, 23 Oct 2018 15:31:51 GMT

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The code in gconfig/g4Config.C reads the environment variable PHYSICSLIST via gSystem->Getenv("PHYSICSLIST") and falls back to QGSP_INCLXX_HP if not set. You can set this environment variable from inside a macro with gSystem->Setenv() (or similar), or from the outside in the bash PHYSICSLIST=FTFP_BERT root -l mymacro.C The later is also helpful when iterating over physics lists, see my neutron cross section example.

I have also had problems with Geant3 before, however I couldn't find a solution fast enough - I just stopped using it, its probably my system/installation. However you don't really seem to be interested in Geant3, but in nicer colors.

There should be options to set the color of the objects, both before creation (in the geometry creating macros) and afterwards by getting the right pointer. I haven't tried that yet, but <https://root.cern.ch/doc/master/classTGeoManager> should be able to help you.
