
Subject: Re: Geantino?

Posted by [Ralf Kliemt](#) on Mon, 11 Feb 2008 12:03:50 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hi again,

I found this description in the root classes:

Quote: TDatabasePDG

Particle database manager class

This manager creates a list of particles which by default is initialised from with the constants used by PYTHIA6 (plus some other particles added). See definition and the format of the default particle list in \$ROOTSYS/etc/pdg_table.txt

there are 2 ways of redefining the name of the file containing the particle properties

1. one can define the name in .rootrc file:

```
Root.DatabasePDG: $(HOME)/my_pdg_table.txt
```

2. one can use TDatabasePDG::ReadPDGTable method explicitly:

- TDatabasePDG *pdg = new TDatabasePDG();
- pdg->ReadPDGtable(filename)

See TParticlePDG for the description of a static particle properties.

See TParticle for the description of a dynamic particle particle.

This means you could just create your own charged rootino. Additionally I found the rootino at the pdg ID 521 in root/etc/pdg_table.txt.

Ralf.
