Subject: Initialization Error of Geane using Geant3
Posted by Stefan Pflueger on Fri, 24 Nov 2017 13:55:51 GMT
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Hi,

the backtracking macro of the LMD does not work atm and crashes with the following error messages (I cut away the unimportant log parts)

Quote:
```
----------------------FairGeane::Init ()-----------------------------
Loading Geant3 libraries ...
Loading Geant3 libraries ... finished

 MZSTOR.  ZEBRA table base TAB(0) in /MZCC/ at adr  1026518087    3D2F6C47 HEX

 MZSTOR.  Initialize Store  0  in /GCBANK/
        with Store/Table at absolute adrs  1021071557  1026518087
                                HEX    3CDC50C5    3D2F6C47
                                HEX    FFACE2B2           0
                        relative adrs    -5446990           0
        with     1 Str. in     2 Links in   5300 Low words in 4999970 words.
        This store has a fence of   16 words.

 MZLOGL.  Set Log Level 0 for store  0
1*****  GEANT Version  3.21/11 Released on 100298
0*****  Correction Cradle Version  0.1100

 MZDIV.   Initialize Division  Constant  in Store  0
        NW/NWMAX=   20004000000,  MODE/KIND=  1  2
        Division 20 initialized.

 MZLINK.  Initialize Link Area  /GCLINK/  for Store  0 NL/NS=    20    20

 MZLINK.  Initialize Link Area  /GCSLNK/  for Store  0 NL/NS=   100   100
-I- G3Config: Geant3 with TGeo has been created for Geane.
-I- Geane.C: NOPRNT flag set to 1
-I- Geane.C: IERR flags are not printed. If you want to switch them on, please set
fErtrio1->noprnt = 0 in Geane.C
Energy straggling area parameter from user set to: 0.999
0*** GSTMED *** Warning, medium =      2, value of EPSIL= 0.000E+00 reset to 1 micron

 Calculating cross section tables, see gphysi.dat for more information

 !!!!! ZFATAL called from MZTABC
            called from MZTABR
            called from MZGAR1
            called from MZLIFT
            called from MZBOOK

 !!!!! ZFATAL reached from MZTABC    for Case=  1
```

IQUEST(11) = 4992103 4C2C67
IQUEST(12) = 4991367 4C2987
IQUEST(13) = 4999968 4C4B20

Current Store number = 0 (JQDIVI=20)
1ZEBRA SYSTEM Post-Mortem from ZPOSTM.

The crash occurs in the BuildPhysics() function call of the TVirtualMC (here of type TGeant3TGeo). The call to BuildPhysics() is made within the FairGeaneApplication::InitMC(). I'm using FairSoft 17.03.

Quote:

```
void FairGeaneApplication::InitMC(const char*, const char*)
{
// Initialize MC.

  TVirtualMC::GetMC()->Init();
  TVirtualMC::GetMC()->BuildPhysics();
  fMcVersion = 3;  //Geane

  TVirtualMC::GetMC()->SetMagField(fxField);
}
```

Any help is appreciated. Thanks in advance

Stefan