Subject: [FIXED] occurring crash due to decay file
Posted by Ajay Kumar on Fri, 25 Apr 2014 12:10:29 GMT
View Forum Message <> Reply to Message

Hi...

I am simulating the ppbar->Dstar+Dstar- physics channel Through EvtGenDirect. for that, I have prepared a decay.dec file. when I am running the simulation, getting following error message.

EvtGen:Warning, sum of branching fractions for phi is 0.999
EvtGen:rescaled to one!
EvtGen:Warning, sum of branching fractions for f_2 is 0.999
EvtGen:rescaled to one!
EvtGen:Warning, sum of branching fractions for chi_c1 is 0.996
EvtGen:rescaled to one!
EvtGen:Warning, sum of branching fractions for Upsilon(2S) is 0.992
EvtGen:rescaled to one!
EvtGen:Warning, sum of branching fractions for Upsilon(3S) is 0.999
EvtGen:rescaled to one!
EvtGen:Mixing type integer set to 1
EvtGen:Done initializing EvtGen
EvtGen:In readDecayFile,
reading:/home/ajay/scrut14/DstarDstar_Lambdadisks/Dstar+_Dstar-_D0pi+_D0 barpi-.dec
EvtGen:Error in EvtParser: line:22 to long

*** Break *** segmentation violation

==========
There was a crash.
This is the entire stack trace of all threads:
==========
#0 0x00007fd8dd4adc8e in waitpid () from /lib/x86_64-linux-gnu/libc.so.6
#1 0x00007fd8dd43329e in ?? () from /lib/x86_64-linux-gnu/libc.so.6
#2 0x00007fd8de384a77 in TUnixSystem::StackTrace() () from
/home/ajay/fairsoft/lib/root/libCore.so.5.34
#3 0x00007fd8de387353 in TUnixSystem::DispatchSignals(ESignals) () from
/home/ajay/fairsoft/lib/root/libCore.so.5.34
#4 <signal handler called>
#5 0x00007fd8ddc5dc6c in std::istream::sentry::sentry(std::istream&, bool) () from
/usr/lib/x86_64-linux-gnu/libstdc++.so.6
#6 0x00007fd8ddc5e492 in std::istream::peek() () from /usr/lib/x86_64-linux-gnu/libstdc++.so.6
#7 0x00007fd8cddf066b in EvtParser::read (this=0x7fff63b86e40, filename=...) at
/home/ajay/scrut14/pgenerators/EvtGen/EvtGen/R01-03-00/src/EvtGenBase/Ev tParser.cpp:81
#8 0x00007fd8cdd4f4a4 in EvtDecayTable::readDecayFile (this=0x1880240, dec_name=...,
verbose=true) at
/home/ajay/scrut14/pgenerators/EvtGen/EvtGen/R01-03-00/src/EvtGenBase/Ev
tDecayTable.cpp:114
#9 0x00007fd8cdd3a430 in EvtGen::readUDecay (this=0x186f4f0, uDecayName=0x183d6d0 "
/home/ajay/scrut14/DstarDstar_Lambdadisks/Dstar+_Dstar-_D0pi+_D0barpi-.d ec ",

useXml=false) at
/home/ajay/scrut14/pgenerators/EvtGen/EvtGen/R01-03-00/src/EvtGen.cpp:13 6
#10 0x00007fd8cd50d17c in PndEvtGenDirect::PndEvtGenDirect (this=0x183d990,
particle=<incomplete type>, decfile=<incomplete type>, Mom=8, Seed=1980897836,
defaultDECAY=<incomplete type>, defaultPDL=<incomplete type>) at
/home/ajay/scrut14/pgenerators/EvtGen/EvtGenDirect/PndEvtGenDirect.cxx:1 14
#11 0x00007fd8cd510735 in G__G__EvtGenDirectDict_220_0_2 (result7=0x7fff63ba9480,
funcname=0x183b390 "", libp=0x7fff63b9ea70, hash=0) at
/home/ajay/scrut14/buildPanda/pgenerators/EvtGen/EvtGenDirect/G__EvtGenD
irectDict.cxx:264
#12 0x00007fd8dc89faab in Cint::G__ExceptionWrapper(int (*)(G__value*, char const*,
G__param*, int), G__value*, char*, G__param*, int) () from
/home/ajay/fairsoft/lib/root/libCint.so.5.34
#13 0x00007fd8dc9453e1 in G__execute_call () from /home/ajay/fairsoft/lib/root/libCint.so.5.34
#14 0x00007fd8dc9457ce in G__call_cppfunc () from /home/ajay/fairsoft/lib/root/libCint.so.5.34
#15 0x00007fd8dc926177 in G__interpret_func () from
/home/ajay/fairsoft/lib/root/libCint.so.5.34
#16 0x00007fd8dc912646 in G__getfunction () from /home/ajay/fairsoft/lib/root/libCint.so.5.34
#17 0x00007fd8dc942d4f in G__new_operator () from
/home/ajay/fairsoft/lib/root/libCint.so.5.34
#18 0x00007fd8dc8f2292 in G__getexpr () from /home/ajay/fairsoft/lib/root/libCint.so.5.34
#19 0x00007fd8dc8df7c8 in G__define_var () from /home/ajay/fairsoft/lib/root/libCint.so.5.34
#20 0x00007fd8dc97274e in G__exec_statement () from
/home/ajay/fairsoft/lib/root/libCint.so.5.34
#21 0x00007fd8dc978b77 in G__exec_statement () from
/home/ajay/fairsoft/lib/root/libCint.so.5.34
#22 0x00007fd8dc9242c7 in G__interpret_func () from
/home/ajay/fairsoft/lib/root/libCint.so.5.34
#23 0x00007fd8dc9126ae in G__getfunction () from /home/ajay/fairsoft/lib/root/libCint.so.5.34
#24 0x00007fd8dc8ec431 in G__getitem () from /home/ajay/fairsoft/lib/root/libCint.so.5.34
#25 0x00007fd8dc8f23a4 in G__getexpr () from /home/ajay/fairsoft/lib/root/libCint.so.5.34
#26 0x00007fd8dc8fe0ac in G__calc_internal () from /home/ajay/fairsoft/lib/root/libCint.so.5.34
#27 0x00007fd8dc9857ef in G__process_cmd () from /home/ajay/fairsoft/lib/root/libCint.so.5.34
#28 0x00007fd8de34ebfa in TCint::ProcessLine(char const*, TInterpreter::EErrorCode*) () from
/home/ajay/fairsoft/lib/root/libCore.so.5.34
#29 0x00007fd8de3455e3 in TCint::ProcessLineSynch(char const*, TInterpreter::EErrorCode*)
() from /home/ajay/fairsoft/lib/root/libCore.so.5.34
#30 0x00007fd8de2b47b4 in TApplication::ExecuteFile(char const*, int*, bool) () from
/home/ajay/fairsoft/lib/root/libCore.so.5.34
#31 0x00007fd8de2b34ef in TApplication::ProcessLine(char const*, bool, int*) () from
/home/ajay/fairsoft/lib/root/libCore.so.5.34
#32 0x00007fd8ddf0a80a in TRint::Run(bool) () from /home/ajay/fairsoft/lib/root/libRint.so.5.34
#33 0x0000000000400f6c in main ()
==========

The lines below might hint at the cause of the crash.
If they do not help you then please submit a bug report at
http://root.cern.ch/bugs. Please post the ENTIRE stack trace
from above as an attachment in addition to anything else
that might help us fixing this issue.
==========

#5 0x00007fd8ddc5dc6c in std::istream::sentry::sentry(std::istream&, bool) () from /usr/lib/x86_64-linux-gnu/libstdc++.so.6
#6 0x00007fd8ddc5e492 in std::istream::peek() () from /usr/lib/x86_64-linux-gnu/libstdc++.so.6
#7 0x00007fd8cddf066b in EvtParser::read (this=0x7fff63b86e40, filename=...) at /home/ajay/scrut14/pgenerators/EvtGen/EvtGen/R01-03-00/src/EvtGenBase/Ev tParser.cpp:81
#8 0x00007fd8cdd4f4a4 in EvtDecayTable::readDecayFile (this=0x1880240, dec_name=..., verbose=true) at /home/ajay/scrut14/pgenerators/EvtGen/EvtGen/R01-03-00/src/EvtGenBase/Ev tDecayTable.cpp:114
#9 0x00007fd8cdd3a430 in EvtGen::readUDecay (this=0x186f4f0, uDecayName=0x183d6d0 " /home/ajay/scrut14/DstarDstar_Lambdadisks/Dstar+_Dstar-_D0pi+_D0barpi-.d ec ", useXml=false) at /home/ajay/scrut14/pgenerators/EvtGen/EvtGen/R01-03-00/src/EvtGen.cpp:13 6
#10 0x00007fd8cd50d17c in PndEvtGenDirect::PndEvtGenDirect (this=0x183d990, particle=<incomplete type>, decfile=<incomplete type>, Mom=8, Seed=1980897836, defaultDECAY=<incomplete type>, defaultPDL=<incomplete type>) at /home/ajay/scrut14/pgenerators/EvtGen/EvtGenDirect/PndEvtGenDirect.cxx:1 14
==========

Root > Function sim_complete() busy flag cleared

what should I do to get the rid of this error?
I have attached dec file here.

File Attachments

1) Dstar+_Dstar-_D0pi+_D0barpi-.dec, downloaded 513 times

Subject: Re: occurring crash due to decay file
Posted by Klaus Götzen on Fri, 25 Apr 2014 12:23:20 GMT
View Forum Message <> Reply to Message

Hi Ajay,

you need to add a newline at the end of the file, i.e. an empty line after 'End'.

Best,
Klaus

Subject: Re: occurring crash due to decay file
Posted by Ajay Kumar on Fri, 25 Apr 2014 13:13:31 GMT
View Forum Message <> Reply to Message

Thank You Klaus,

Its working now.