
Subject: [fixed] cmake bug in EvtGen

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Trying to install pandaroot. I go following message right after cmake:

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```
sudol@ipnei14:/projet/panda/pandaroot/jan10/buildPanda$ cmake ../trunk/
CMAKE_Fortran_COMPILER full path: /usr/bin/f95
Fortran compiler: f95
f95 found -> gfortran
--- Found a Linux ssystem
--- Found GNU compiler collection
--- Build Type: Debug
--- Compiler Flags:
-- Looking for Root...
-- Looking for Root... - found /projet/panda/pandaroot/jan10/tools/root/bin/root
-- Looking for Root... - version 5.26/00
-- Looking for Pluto...
-- Looking for Pluto... - found /projet/panda/pandaroot/jan10/generators/lib
-- Looking for Pythia6...
-- Looking for Pythia6... - found /projet/panda/pandaroot/jan10/generators/lib
-- Looking for GEANT3...
-- Looking for GEANT3... - found
/projet/panda/pandaroot/jan10/transport/geant3/lib/tgt_linuxx8664gcc/lib geant321.so
-- Looking for GEANT4...
-- Looking for GEANT4... - found /projet/panda/pandaroot/jan10/transport/geant4/lib/Linux-g++
-- Looking for GEANT4VMC...
-- Looking for GEANT4VMC... - found
/projet/panda/pandaroot/jan10/transport/geant4_vmc/lib/tgt_linuxx8664gcc
-- Looking for VGM...
-- Looking for VGM... - found /projet/panda/pandaroot/jan10/transport/vgm/lib
-- Looking for CLHEP...
-- Looking for CLHEP... - found /projet/panda/pandaroot/jan10/cern/clhep/lib
-- Looking for CERNLIB...
-- Looking for Java...
-- Looking for Java... - found /usr/bin/java
-- Looking for Perl...
-- Looking for Perl... - found /usr/bin/perl
-- Looking for Rule Checker...
-- Looking for Rule Checker... - Not found
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/mdt/QAmacro_mdt_1.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/mdt/QAmacro_mdt_2.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/emc/QAmacro_emc_1.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/emc/QAmacro_emc_2.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/emc/QAmacro_emc_3.sh 2>&1
```

```
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/emc/QAmacro_emc_4.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/lhetrack/run_sim_tpcco mbi_pgun.sh
2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/lhetrack/run_digi_tpcc ombi.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/lhetrack/run_reco_tpcc ombi.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/tpc/QAmacro_tpc_1.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/drc/QAmacro_drc_1.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/ftof/QAmacro_ftof_1.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/gem/QAmacro_gem_1.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/gem/QAmacro_gem_2.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/hyp/QAmacro_hyp_1.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/mvd/QAmacro_mvd_1.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/mvd/QAmacro_mvd_2.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/mvd/QAmacro_mvd_ana.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/rho/QAmacro_rho_1.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/stt/QAmacro_stt_1.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/stt/QAmacro_stt_2.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/stt/QAmacro_stt_3.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/stt/QAmacro_stt_4.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/fsim/QAmacro_fastsim_1 .sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/fsim/QAmacro_fastsim_2 .sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/evtgen/QAmacro_evtgen_ 1.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/evtgen/QAmacro_evtgen_ 2.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/evtgen/QAmacro_evtgen_ 3.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/qa/evtgen/QAmacro_evtgen_ 4.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/run/sim_complete_stt.sh 2>&1
running /bin/chmod u+x
```

```

/projet/panda/pandaroot/jan10/buildPanda/macro/run/digi_complete_stt.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/run/reco_complete_stt.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/run/sim_complete_tpc.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/run/digi_complete_tpc.sh 2>&1
running /bin/chmod u+x
/projet/panda/pandaroot/jan10/buildPanda/macro/run/reco_complete_tpc.sh 2>&1
-- Configuring done
CMake Error: Error Target: EvtGen Contains more than one Preferred language: Fortran and
CXX
You must set the LINKER_LANGUAGE property for this target.
-- Generating done
-- Build files have been written to: /projet/panda/pandaroot/jan10/buildPanda

```

CMake Error: Error Target: EvtGen Contains more than one Preferred language: Fortran and CXX
You must set the LINKER_LANGUAGE property for this target.

to fix it, it is necessary to make following changes in the EvtGen/CMakeList.txt:

```

sudol@ipnei14:/projet/panda/pandaroot/jan10/buildPanda$ svn diff
../trunk/pgenerators/EvtGen/CMakeLists.txt
Index: ../trunk/pgenerators/EvtGen/CMakeLists.txt
=====
--- ../trunk/pgenerators/EvtGen/CMakeLists.txt (revision 10338)
+++ ../trunk/pgenerators/EvtGen/CMakeLists.txt (working copy)
@@ -294,12 +294,12 @@
 add_library(EvtGen SHARED ${EVTGEN_SRCS})
 target_link_libraries(EvtGen ${ROOT_LIBRARIES} Pythia6 Photos ${Fortran_UseLib})
 set_target_properties(EvtGen PROPERTIES ${FAIRROOT_LIBRARY_PROPERTIES})
-set_target_properties(EvtGen PROPERTIES LINK_FLAGS "-fPIC")
+set_target_properties(EvtGen PROPERTIES LINK_FLAGS "-fPIC" LINKER_LANGUAGE
CXX)

foreach(program ${ALLEvtGen_exe})
 add_executable(EvtGen_exe_${program} ${program}.cc)
 set_target_properties(EvtGen_exe_${program} PROPERTIES OUTPUT_NAME ${program})
-set_target_properties(EvtGen_exe_${program} PROPERTIES LINK_FLAGS "-fPIC")
+ set_target_properties(EvtGen_exe_${program} PROPERTIES LINK_FLAGS "-fPIC"
LINKER_LANGUAGE CXX)
 target_link_libraries(EvtGen_exe_${program} ${ROOT_LIBRARIES} EvtGen Pythia6 Photos
${Fortran_UseLib} CLHEP)
endforeach(program)

```

I do not know if this fix works for everybody, it would be nice if expert can check it, and commit solution to svn.

