
Subject: Re: Problems with pthread in FairRoot

Posted by [Mohammad Al-Turany](#) on Mon, 11 Jun 2018 09:40:19 GMT

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Hi,

Yes, I am only using gcc 6.2 and not the default one. I will try now with gcc 4.8.5 and see.

Quote:

```
-- The C compiler identification is GNU 6.2.0
-- The CXX compiler identification is GNU 6.2.0
-- Check for working C compiler: /afs/cern.ch/sw/lcg/contrib/gcc/6.2.0/x86_64-centos7/bin/gcc
-- Check for working C compiler: /afs/cern.ch/sw/lcg/contrib/gcc/6.2.0/x86_64-centos7/bin/gcc
-- works
-- Detecting C compiler ABI info
-- Detecting C compiler ABI info - done
-- Detecting C compile features
-- Detecting C compile features - done
-- Check for working CXX compiler:
/afs/cern.ch/sw/lcg/contrib/gcc/6.2.0/x86_64-centos7/bin/g++
-- Check for working CXX compiler:
/afs/cern.ch/sw/lcg/contrib/gcc/6.2.0/x86_64-centos7/bin/g++ -- works
-- Detecting CXX compiler ABI info
-- Detecting CXX compiler ABI info - done
-- Detecting CXX compile features
-- Detecting CXX compile features - done
-- Performing Test _HAS_CXX11_FLAG
-- Performing Test _HAS_CXX11_FLAG - Success
-- Checking C++11 support for "__func__"
-- Checking C++11 support for "__func__": works
-- Checking C++11 support for "auto"
-- Checking C++11 support for "auto": works
-- Checking C++11 support for "auto_ret_type"
-- Checking C++11 support for "auto_ret_type": works
-- Checking C++11 support for "class_override_final"
-- Checking C++11 support for "class_override_final": works
-- Checking C++11 support for "constexpr"
-- Checking C++11 support for "constexpr": works
-- Checking C++11 support for "constructor-delegation"
-- Checking C++11 support for "constructor-delegation": works
-- Checking C++11 support for "cstdint"
-- Checking C++11 support for "cstdint": works
-- Checking C++11 support for "decltype"
-- Checking C++11 support for "decltype": works
-- Checking C++11 support for "initializer_list"
-- Checking C++11 support for "initializer_list": works
-- Checking C++11 support for "lambda"
-- Checking C++11 support for "lambda": works
-- Checking C++11 support for "long_long"
```

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-- Checking C++11 support for "long_long": works
-- Checking C++11 support for "nullptr"
-- Checking C++11 support for "nullptr": works
-- Checking C++11 support for "regex"
-- Checking C++11 support for "regex": works
-- Checking C++11 support for "rvalue-references"
-- Checking C++11 support for "rvalue-references": works
-- Checking C++11 support for "sizeof_member"
-- Checking C++11 support for "sizeof_member": works
-- Checking C++11 support for "static_assert"
-- Checking C++11 support for "static_assert": works
-- Checking C++11 support for "variadic_templates"
-- Checking C++11 support for "variadic_templates": works
-- Checking C++11 support for "sharedpointer"
-- Checking C++11 support for "sharedpointer": works
-- Checking C++11 support for "funcptr-to-lambda-conversion"
-- Checking C++11 support for "funcptr-to-lambda-conversion": works
-- fairsoft-config found
--- Found a Linux system
--- Found GNU compiler collection
--- Build Type: RelWithDebInfo
--- Compiler Flags: -std=c++11 -O2 -g -Wshadow
-- Looking for Root...
-- Looking for Root... - Found /afs/cern.ch/work/m/malturan/install/FairSoft/may18/bin/root
-- Looking for Root... - Found version is 6.12/06
-- Looking for Pythia6...
-- Looking for Pythia6... - found /afs/cern.ch/work/m/malturan/install/FairSoft/may18/lib
-- Looking for PYTHIA8 ...
-- Looking for PYTHIA8... - found /afs/cern.ch/work/m/malturan/install/FairSoft/may18/lib
-- Looking for GEANT3...
-- Looking for GEANT3... - found
/afs/cern.ch/work/m/malturan/install/FairSoft/may18/lib/libgeant321.so
-- Looking for GEANT4...
-- Looking for GEANT4... - found /afs/cern.ch/work/m/malturan/install/FairSoft/may18/lib
-- Looking for GEANT4 DATA files...
-- Found G4EMLOW data
-- Found PhotonEvaporation data
-- Found G4NDL data
-- Found G4NEUTRONXS data
G4PIIDATA:
-- Found G4PII data
-- Found RadioactiveDecay data
-- Found RealSurface data
-- Found G4SAID data
-- Found G4ENSDFSTATE data
-- Looking for GEANT4VMC...
-- Looking for GEANT4VMC... - found /afs/cern.ch/work/m/malturan/install/FairSoft/may18/lib
-- Looking for VGM...
-- Looking for VGM... - found /afs/cern.ch/work/m/malturan/install/FairSoft/may18/lib
-- Looking for CLHEP...
-- Looking for CLHEP... - found /afs/cern.ch/work/m/malturan/install/FairSoft/may18/lib
-- Looking for CUDA...

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CUDA_TOOLKIT_ROOT_DIR not found or specified
-- Could NOT find CUDA (missing: CUDA_TOOLKIT_ROOT_DIR
CUDA_NVCC_EXECUTABLE CUDA_INCLUDE_DIRS CUDA_CUDART_LIBRARY)
-- Looking for IWYU...
-- Looking for IWYU... - Not found
-- Looking for Go...
-- Looking for Go... found Go 1.9.4
-- Found Go: /usr/bin/go (found suitable version "1.9.4", minimum required is "1.7")
-- Using GSL from /usr
-- Found GSL: /usr/include -lgsl;-lgslcblas;-lm
-- Looking for Boost ...
-- Looking for pthread.h
-- Looking for pthread.h - found
-- Looking for pthread_create
-- Looking for pthread_create - not found
-- Looking for pthread_create in pthreads
-- Looking for pthread_create in pthreads - not found
-- Looking for pthread_create in pthread
-- Looking for pthread_create in pthread - found
-- Found Threads: TRUE
-- Boost version: 1.67.0
-- Found the following Boost libraries:
--   thread
--   system
--   timer
--   program_options
--   random
--   filesystem
--   chrono
--   exception
--   regex
--   serialization
--   log
--   log_setup
--   atomic
--   date_time
--   signals
-- C++11 support found.
-- Build CbmModule with Gdml support
-- Looking for CLOCK_REALTIME
-- Looking for CLOCK_REALTIME - found
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/simulation/Tutorial
1/macros/run_tutorial1.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/simulation/Tutorial
1/macros/run_tutorial1_pythia6.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/simulation/Tutorial
1/macros/run_tutorial1_pythia8.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/simulation/Tutorial

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1/macros/run_tutorial1_mesh.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/simulation/Tutorial
1/macros/run_tutorial1_urqmd.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/simulation/Tutorial
1/macros/load_all_libs.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/simulation/Tutorial
2/macros/run_tutorial2.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/simulation/Tutorial
2/macros/create_digis.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/simulation/Tutorial
2/macros/read_digis.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/simulation/Tutorial 2/macros/run_bg.sh
2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/simulation/Tutorial 2/macros/run_sg.sh
2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/simulation/Tutorial 2/macros/run_sg1.sh
2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/simulation/Tutorial
2/macros/create_digis_mixed.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/simulation/Tutorial
4/macros/run_tutorial4.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/simulation/Tutorial
4/macros/run_reco.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/MQ/pixelDetector/macros/run_sim.sh
2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/MQ/pixelDetector/macros/run_digi.sh
2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/MQ/pixelDetector/macros/run_digiToBin.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/MQ/pixelDetector/run
n/startFairMQPixelSimulation.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/MQ/pixelDetector/run
n/startFairMQPixel.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/MQ/pixelAlternative
/run/startFairMQPixAlt.sh 2>&1

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running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/advanced/Tutorial3/ macro/run_sim.sh
2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/advanced/Tutorial3/ macro/run_digi.sh
2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/advanced/Tutorial3/ macro/run_reco.sh
2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/advanced/Tutorial3/
macro/run_digi_timebased.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/advanced/Tutorial3/
macro/run_reco_timebased.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/simulation/rutherford/
macros/run_rutherford.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/simulation/rutherford/
macros/run_rad.sh 2>&1
running /bin/chmod u+x
/afs/cern.ch/work/m/malturan/FairRoot/build/examples/advanced/MbsTutorial/
macros/unpack_mbs.sh 2>&1
Test_Model: RelWithDebInfo
-- Found Git: /usr/bin/git (found version "1.8.3.1")
-- Configuring done
-- Generating done
-- Build files have been written to: /afs/cern.ch/work/m/malturan/FairRoot/build
```
