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Subject: PandaRoot Oct19 failed to install

Posted by [Adeel Akram](#) on Wed, 20 Jan 2021 20:26:40 GMT

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Hello,

I am installing PandaRoot Oct19 (with fairsoft:jun19p1, fairroot:v18.2.0) and I encountered the following error. Never saw this in my previous installation (where I had fairsoft:jun19).

```
[ 1%] Built target vc
[ 2%] Built target DpmEvtGen
[ 3%] Built target PhotosFortran
[ 4%] Built target EMFFGEN
[ 5%] Built target Field
[ 6%] Built target Passive
[ 6%] Building NVCC (Device) object
tracking/SttCellTrackFinder/cuda/CMakeFiles/PndSttCellTrackFinderCuda.dir/PndSttCellTrack
FinderCuda_generated_trackletGenerator.cu.o
[ 7%] Built target FtfEvtGen
[ 7%] Generating G__helixpropagatorDict.cxx, G__helixpropagatorDict_rdict.pcm,
../lib/libhelixpropagator.rootmap
nvcc fatal  : Value 'sm_21' is not defined for option 'gpu-architecture'
CMake Error at
PndSttCellTrackFinderCuda_generated_trackletGenerator.cu.o.Debug.cmake:223 (message):
  Error generating
```

```
/home/adeel/fair/pandaroot_ana/build-oct19/tracking/SttCellTrackFinder/cuda/CMakeFiles/Pnd
SttCellTrackFinderCuda.dir/./PndSttCellTrackFinderCuda_generated_trackletGenerator.cu.o
```

```
tracking/SttCellTrackFinder/cuda/CMakeFiles/PndSttCellTrackFinderCuda.dir/build.make:63:
recipe for target
'tracking/SttCellTrackFinder/cuda/CMakeFiles/PndSttCellTrackFinderCuda.dir/PndSttCellTrack
FinderCuda_generated_trackletGenerator.cu.o' failed
make[2]: ***
[tracking/SttCellTrackFinder/cuda/CMakeFiles/PndSttCellTrackFinderCuda.dir/PndSttCellTrack
FinderCuda_generated_trackletGenerator.cu.o] Error 1
[ 9%] Built target genfit
CMakeFiles/Makefile2:4019: recipe for target
'tracking/SttCellTrackFinder/cuda/CMakeFiles/PndSttCellTrackFinderCuda.dir/all' failed
make[1]: *** [tracking/SttCellTrackFinder/cuda/CMakeFiles/PndSttCellTrackFinderCuda.dir/all]
Error 2
make[1]: *** Waiting for unfinished jobs....
[ 9%] Built target LmdSensorAlignerTools
[ 11%] Built target PGen
[ 29%] Built target EvtGen
[ 32%] Built target genfit2
[ 38%] Built target PndData
Scanning dependencies of target helixpropagator
[ 38%] Building CXX object
tracking/HelixPropagator/CMakeFiles/helixpropagator.dir/PndHelixPropagator.cxx.o
```

```
[ 38%] Building CXX object
tracking/HelixPropagator/CMakeFiles/helixpropagator.dir/G__helixpropagatorDict.cxx.o
[ 38%] Linking CXX shared library ../../lib/libhelixpropagator.so
[ 38%] Built target helixpropagator
Makefile:140: recipe for target 'all' failed
make: *** [all] Error 2
```

Does anyone encountered anything like that.

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Subject: Re: PandaRoot Oct19 failed to install  
Posted by [Ralf Kliemt](#) on Thu, 21 Jan 2021 13:10:52 GMT  
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Hi Adeel,

It looks like it is trying to compile something with GPU support. Is that intentional?

Cheers!  
Ralf

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Subject: Re: PandaRoot Oct19 failed to install  
Posted by [Tobias Stockmanns](#) on Thu, 21 Jan 2021 13:19:26 GMT  
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It seems that you have a CUDA system but not the proper one.  
You could try to comment out the CUDA stuff in PndHoughTrackFinder and SttCellTrackFinder by hand.

Go to the CMakeLists.txt files in those folders and put a '#' to the first 40 lines and to all 'if' blocks where CUDA\_... is mentioned.

Let me know if this works.

Cheers,

Tobias

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