
Subject: dlopen error with libDch.so

Posted by [Jerome Boucher](#) on Mon, 01 Dec 2008 18:03:38 GMT

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Hi everybody,

I've updated pandaroot today using the howto update tutorial. When I used the run_sim_sttcombi_pgun.C, run_digi_sttcombi.C and run_reco_sttcombi.C macros, I obtained the following error concerning the libDch, but anyway the macros didn't crash and finished normally.

```
root -l run_sim_sttcombi_pgun.C
- RTDB container factory CbmBaseContFact
- RTDB container factory PndFieldContFact
- RTDB container factory PndPassiveContFact
```

PSaid instance created... access via gSaid->f()

```
- RTDB container factory PndSttContFact
- RTDB container factory PndEmcContFact
- RTDB container factory PndTpcContFact
- RTDB container factory PndMvdContFact
- RTDB container factory PndTofContFact
- RTDB container factory PndDrcContFact
- RTDB container factory PndMdtContFact
dlopen error: /vol0/home2/boucher_loc/soft/buildpanda/lib/libDch.so: undefined symbol:
_ZN13PndSttRecoHit10setHMatrixEPK11AbsTrackRepRK8TMatrixTIdE
Load Error: Failed to load Dynamic link library
/vol0/home2/boucher_loc/soft/buildpanda/lib/libDch.so
(int)(-1)
*** Interpreter error recovered ***
root [0]
Processing run_sim_sttcombi_pgun.C...
```

Then I opened the reco_sttcombi.root file. I had the message below and I also could see that the LhePidTrack.GetMomentum() folder disappeared.

```
root -l reco_sttcombi.root
- RTDB container factory CbmBaseContFact
- RTDB container factory PndFieldContFact
- RTDB container factory PndPassiveContFact
```

PSaid instance created... access via gSaid->f()

```
- RTDB container factory PndSttContFact
- RTDB container factory PndEmcContFact
- RTDB container factory PndTpcContFact
```

```
- RTDB container factory PndMvdContFact
- RTDB container factory PndTofContFact
- RTDB container factory PndDrcContFact
- RTDB container factory PndMdtContFact
dlopen error: /vol0/home2/boucher_loc/soft/buildpanda/lib/libDch.so: undefined symbol:
_ZN13PndSttRecoHit10setHMatrixEPK11AbsTrackRepRK8TMatrixTIdE
Load Error: Failed to load Dynamic link library
/vol0/home2/boucher_loc/soft/buildpanda/lib/libDch.so
(int)(-1)
*** Interpreter error recovered ***
root [0]
Attaching file reco_sttcombi.root as _file0...
Warning in <TClass::TClass>: no dictionary for class PndTpcLheTrack is available
Warning in <TClass::TClass>: no dictionary for class PndTpcLhePoint is available
Warning in <TClass::TClass>: no dictionary for class PndTpcLheHit is available
Warning in <TClass::TClass>: no dictionary for class PndTpcLheCMPPoint is available
Warning in <TClass::TClass>: no dictionary for class PndLhePidTrack is available
```

I checked the directory /vol0/home2/boucher_loc/soft/buildpanda/lib/ and the libDch.so exist.
For the moment, I comment out in the rootlogon.C file the line:
gSystem->Load("libDch");
and I don't have anymore the error with libDch neither with the reco_sttcombi.root file.

Did someone have this problem before?

Thanks

Jérôme