Subject: The problem when accessing FairLinks in PndEmcPoints
Posted by Dong Liu on Wed, 26 Sep 2018 11:21:10 GMT
View Forum Message <> Reply to Message

Dear colleagues,

I am trying to do some simulation on the PndEMC. When I try to access the related MCTrack information of a EmcPoint, there are some problem!

When I use the code:

```
PndEmcPoint* point = (PndEmcPoint*)fPointArray->At(i);
std::set<FairLink> links = point->GetLinks();
```

where, "i" is the index of the EmcPoint in the related TCloneArray, "ioman" is the FairRooManager.
The script works fine. However, when I use

```
point->GetLinksWithType(ioman->GetBranchId("MCTrack"));
```

The script corrupts. The crash information can be found below. I also attached the full code and the root file.

Any ideas on the crash?

Thank you!

Dong

crash information

```
Processing ReadLink.C...
[INFO   ] The input consists out of the following trees and files:
[INFO   ]  - cbmsim
[INFO   ]     - sim_ScanMom3.root
[INFO   ] Object EmcPoint describing the branch in the folder structure was found
[INFO   ] Object MCTrack describing the branch in the folder structure was found
maxEvtNo 100
points is 4367
branch id 0

 *** Break *** segmentation violation
[/usr/lib/system/libsystem_platform.dylib] _sigtramp (no debug info)
[<unknown binary>] (no debug info)
[/Users/danny/software/panda/FairRootInstall/lib/libBase.17.10.2.dylib]
FairMultiLinkedData::GetLinksWithType(int) const (no debug info)
[/Users/danny/software/panda/FairRootInstall/lib/libBase.17.10.2.dylib]
FairMultiLinkedData_Interface::GetLinksWithType(int) const (no debug info)
[<unknown binary>] (no debug info)
[<unknown binary>] (no debug info)
[/Users/danny/software/panda/external/lib/root/libCling.so]
cling::Interpreter::RunFunction(clang::FunctionDecl const*, cling::Value*) (no debug info)
```

[/Users/danny/software/panda/external/lib/root/libCling.so]
cling::Interpreter::EvaluateInternal(std::__1::basic_string<char, std::__1::char_traits<char>,
std::__1::allocator<char> > const&, cling::CompilationOptions, cling::Value*,
cling::Transaction**, unsigned long) (no debug info)
[/Users/danny/software/panda/external/lib/root/libCling.so]
cling::MetaSema::actOnxCommand(llvm::StringRef, llvm::StringRef, cling::Value*) (no debug
info)
[/Users/danny/software/panda/external/lib/root/libCling.so]
cling::MetaParser::isXCommand(cling::MetaSema::ActionResult&, cling::Value*) (no debug
info)
[/Users/danny/software/panda/external/lib/root/libCling.so]
cling::MetaParser::isCommand(cling::MetaSema::ActionResult&, cling::Value*) (no debug info)
[/Users/danny/software/panda/external/lib/root/libCling.so]
cling::MetaParser::isMetaCommand(cling::MetaSema::ActionResult&, cling::Value*) (no debug
info)
[/Users/danny/software/panda/external/lib/root/libCling.so] cling::MetaProcessor::process(char
const*, cling::Interpreter::CompilationResult&, cling::Value*, bool) (no debug info)
[/Users/danny/software/panda/external/lib/root/libCling.so]
HandleInterpreterException(cling::MetaProcessor*, char const*,
cling::Interpreter::CompilationResult&, cling::Value*) (no debug info)
[/Users/danny/software/panda/external/lib/root/libCling.so] TCling::ProcessLine(char const*,
TInterpreter::EErrorCode*) (no debug info)
[/Users/danny/software/panda/external/lib/root/libCling.so] TCling::ProcessLineSynch(char
const*, TInterpreter::EErrorCode*) (no debug info)
[/Users/danny/software/panda/external/lib/root/libCore.6.10.so] TApplication::ExecuteFile(char
const*, int*, bool) (no debug info)
[/Users/danny/software/panda/external/lib/root/libRint.6.10.so] TRint::ProcessLineNr(char
const*, char const*, int*) (no debug info)
[/Users/danny/software/panda/external/lib/root/libRint.6.10.so] TRint::Run(bool) (no debug info)
[/Users/danny/software/panda/external/bin/root.exe] main (no debug info)
[/usr/lib/system/libdyld.dylib] start (no debug info)

File Attachments

1) ReadLinkTest.C, downloaded 268 times
2) sim_ScanMom3.root, downloaded 269 times