

# ROOT Planning

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2016-05-11

# Releases

- v6.06/04 released a week ago

# Current Work

- Cristina: pointer check done!  
Now back at tab completion

```
root [0] TH1F* really_dont = (TH1F*)0x123
(TH1F *) 0x123 <invalid memory address>
root [1] really_dont->Fill(0.1)
#0 0x00007f2c08cdcb4c in waitpid () from /lib/x86_64-linux-gnu/libc.so.6
#1 0x00007f2c08c622e2 in ?? () from /lib/x86_64-linux-gnu/libc.so.6
#2 0x00007f2c09922c76 in TUnixSystem::Exec (this=0x1e088e0, shellcmd=0x2316e60 "/home/axel/build/root/github/src/core/unix/src/TUnixSystem.cxx:2086
#3 0x00007f2c09923542 in TUnixSystem::StackTrace (this=0x1e088e0) at /home/axel/build/r
#4 0x00007f2c0364867e in TCling__PrintStackTrace () at /home/axel/build/root/github/src
#5 0x00007f2c037192b7 in TClingCallbacks::PrintStackTrace (this=0x2378090) at /home/axe
#6 0x00007f2c037bda2f in cling::MultiplexInterpreterCallbacks::PrintStackTrace (this=0x
terpreter/MultiplexInterpreterCallbacks.h:124
#7 0x00007f2c037bc18e in cling_runtime_internal_throwIfInvalidPointer (Interp=0x1e6a090
rpreter/cling/lib/Interpreter/ExceptionRTTI.cpp:46
#8 0x00007f2c09c5d06b in ?? ()
```

```
#20 0x00007f2c037bcf38 in cling::IncrementalExecutor::executeWrapper (this=0x3ebffef203a
ld/root/github/src/interpreter/cling/lib/Interpreter/IncrementalExecutor.h:197
Info in <Handle>: Trying to access a pointer that points to an invalid memory address..
Execution of your code was aborted.
```

**ROOT\_prompt\_1:1:1: warning: invalid memory pointer passed to a callee:**

```
really_dont->Fill(0.1)
```

^~~~~~

```
root [2] █
```

# Current Work

- Cristina: pointer check done!  
Now back at tab completion
- Vassil: excellent news for PCMs - expect an email by Vassil still this week!
- Axel: llvm upgrade

# ATLAS Tier0 Update

- Have reports for Tier0: thanks, Tony!
- Pinpointed to **template instantiation** in interpreter
  - i.e. missing dictionary
  - debugging is tedious: happens between event 20 and 30
  - might be easier to add debug output...

# Status

- Intermittently ongoing:
  - llvm upgrade
  - CMS's GCC6 issues (even with old ABI)
  - issues from art / header search paths
  - ATLAS Tier 0
- Limited by resources