
Subject: Problem with externals jul14 on OS 10.8
Posted by [Volker Friese](#) on Thu, 28 Aug 2014 10:42:25 GMT
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I do not manage to install the external packages jul14 (or jul14p3) on my Mac with OS 10.8.5. The error message is quoted below. Any idea what goes wrong?

```
[ 29%] Building CXX object
source/processes/CMakeFiles/G4processes.dir/electromagnetic/dna/processe
s/src/G4DNAIonisation.cc.o
[ 29%] Building CXX object
source/processes/CMakeFiles/G4processes.dir/electromagnetic/dna/processe
s/src/G4DNAMolecularDissociation.cc.o
[ 29%] Building CXX object
source/processes/CMakeFiles/G4processes.dir/electromagnetic/dna/processe
s/src/G4DNAWaterDissociationDisplacer.cc.o
In file included from /Users/vfriese/work/fairsoft/jul14/fairsoft_jul14/transport/geant4.10.00
.p01/source/processes/electromagnetic/dna/processes/src/G4DNAMolecularDi
ssociation.cc:43:
In file included from /Users/vfriese/work/fairsoft/jul14/fairsoft_jul14/transport/geant4.10.00
.p01/source/processes/electromagnetic/dna/management/include/G4ITManager .hh:46:
In file included from /Users/vfriese/work/fairsoft/jul14/fairsoft_jul14/transport/geant4.10.00
.p01/source/processes/electromagnetic/dna/management/include/G4KDTree.hh :43:
In file included from /Users/vfriese/work/fairsoft/jul14/fairsoft_jul14/transport/geant4.10.00
.p01/source/processes/electromagnetic/dna/management/include/G4KDTreeRes ult.hh:42:
/usr/bin/../lib/c++/v1/list:212:9: error: field has incomplete type 'ResNode'
    _Tp __value_;
    ^
/usr/bin/../lib/c++/v1/type_traits:1889:54: note: in instantiation of template class
'std::__1::__list_node<ResNode, void *>' requested here
decltype(_VSTD::move(_Tp(_VSTD::declval<_Args>()...)), true_type())
    ^
/usr/bin/../lib/c++/v1/type_traits:1890:1: note: while substituting deduced template arguments
into function template '__is_constructible_test' [with
    _Tp = std::__1::allocator<std::__1::__list_node<ResNode, void *>>, _Args = <no value>]
__is_constructible_test(_Tp&&, _Args&& ...);
^
/usr/bin/../lib/c++/v1/type_traits:1949:14: note: in instantiation of template class
'std::__1::__is_constructible<false,
    std::__1::allocator<std::__1::__list_node<ResNode, void *>>,
std::__1::allocator<std::__1::__list_node<ResNode, void *>> &&>' requested here
: public __is_constructible<is_scalar<_Tp>::value || is_reference<_Tp>::value,
    ^
/usr/bin/../lib/c++/v1/type_traits:1975:14: note: in instantiation of template class
'std::__1::__is_constructible_void_check<false,
    std::__1::allocator<std::__1::__list_node<ResNode, void *>>,
std::__1::allocator<std::__1::__list_node<ResNode, void *>> &&>' requested here
: public __is_constructible_void_check<__contains_void<_Tp, _Args...>::value
    ^
/usr/bin/../lib/c++/v1/type_traits:2455:34: note: in instantiation of template class
'std::__1::is_constructible<std::__1::allocator<std::__1::__list_node<ResNode, void *>>,
std::__1::allocator<std::__1::__list_node<ResNode, void
```

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*>> &&>' requested here
: __is_nothrow_constructible<is_constructible<_Tp, _Args...>::value, _Tp, _Args...>
      ^
/usr/bin/./lib/c++/v1/type_traits:2590:14: note: (skipping 1 context in backtrace; use
-ftemplate-backtrace-limit=0 to see all)
: public is_nothrow_constructible<_Tp, typename add_rvalue_reference<_Tp>::type>
      ^
/usr/bin/./lib/c++/v1/memory:2219:20: note: in instantiation of template class
'std::__1::is_nothrow_move_constructible<std::__1::allocator<std::__1::__list_node
<ResNode, void *>>' requested here
      is_nothrow_move_constructible<_T2>::value)
      ^
/usr/bin/./lib/c++/v1/__config:253:34: note: expanded from macro '_NOEXCEPT_'
# define _NOEXCEPT_(x) noexcept(x)
      ^
/usr/bin/./lib/c++/v1/memory:2386:15: note: in instantiation of template class
'std::__1::__libcxx_compressed_pair_imp<unsigned long,
std::__1::allocator<std::__1::__list_node<ResNode, void *>>, 2>' requested here
: private __libcxx_compressed_pair_imp<_T1, _T2>
      ^
/usr/bin/./lib/c++/v1/list:513:52: note: in instantiation of template class
'std::__1::__compressed_pair<unsigned long,
std::__1::allocator<std::__1::__list_node<ResNode, void *>>>' requested here
__compressed_pair<size_type, __node_allocator> __size_alloc_;
      ^
/usr/bin/./lib/c++/v1/list:770:15: note: in instantiation of template class
'std::__1::__list_imp<ResNode, std::__1::allocator<ResNode>>' requested
here
: private __list_imp<_Tp, _Alloc>
      ^
/Users/vfrieese/work/fairsoft/jul14/fairsoft_jul14/transport/geant4.10.00
.p01/source/processes/electromagnetic/dna/management/include/G4KDTTreeRes ult.hh:59:34:
note:
in instantiation of template class 'std::__1::list<ResNode, std::__1::allocator<ResNode>>'
requested here
class G4KDTTreeResult : protected std::list<ResNode>
      ^
/Users/vfrieese/work/fairsoft/jul14/fairsoft_jul14/transport/geant4.10.00
.p01/source/processes/electromagnetic/dna/management/include/G4KDTTreeRes ult.hh:47:8:
note:
forward declaration of 'ResNode'
struct ResNode;
      ^
1 error generated.
make[2]: *** [source/processes/CMakeFiles/G4processes.dir/electromagnetic/dna/process
es/src/G4DNAMolecularDissociation.cc.o] Error 1
make[2]: *** Waiting for unfinished jobs....
make[1]: *** [source/processes/CMakeFiles/G4processes.dir/all] Error 2
make: *** [all] Error 2
In: libHepMC.4.0.0.so: File exists
In: libHepMC.4.so: File exists
In: libHepMC.so: File exists

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In: libHepMCfio.4.0.0.so: File exists
In: libHepMCfio.4.so: File exists
In: libHepMCfio.so: File exists
In: libPythia6.so: File exists
In: libboost_atomic.so: File exists
In: libboost_context.so: File exists
In: libboost_date_time.so: File exists
In: libboost_filesystem.so: File exists
In: libboost_graph.so: File exists
In: libboost_iostreams.so: File exists
In: libboost_math_c99.so: File exists
In: libboost_math_c99f.so: File exists
In: libboost_math_c99l.so: File exists
In: libboost_math_tr1.so: File exists
In: libboost_math_tr1f.so: File exists
In: libboost_math_tr1l.so: File exists
In: libboost_prg_exec_monitor.so: File exists
In: libboost_program_options.so: File exists
In: libboost_python.so: File exists
In: libboost_random.so: File exists
In: libboost_regex.so: File exists
In: libboost_serialization.so: File exists
In: libboost_signals.so: File exists
In: libboost_system.so: File exists
In: libboost_thread.so: File exists
In: libboost_unit_test_framework.so: File exists
In: libboost_wserialization.so: File exists
In: libgsl.0.so: File exists
In: libgsl.so: File exists
In: libgslcblas.0.so: File exists
In: libgslcblas.so: File exists
In: liblhpdfdummy.so: File exists
In: libpythia8.so: File exists
In: libpythia8tohepmc.so: File exists
In: libxerces-c-3.1.so: File exists
In: libxerces-c.so: File exists
-bash: /Users/vfriese/Work/fairsoft/jul14/install/share/Geant4-10.0.1/geant4make/geant4make.sh: No such file or directory
*** ERROR: geant4 could not be created.
*** End installation of external packages with Errors***

[Prozess beendet]