
Subject: [FIXED] LmdFit does not compile on MAC
Posted by [Stefano Spataro](#) on Thu, 02 May 2013 10:36:50 GMT
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Dear all,
I noticed that the package LmdFit does not compile on my mac:

```
../../trunk/lmd/LmdFit/ModelPar.h:28:17: error: no member named 'shared_ptr' in namespace 'std'
```

```
std::set<std::shared_ptr<ModelPar>> connections;
      ~~~~~^
```

This is due mainly to the usage of `shared_ptr`... it seems that under linux it is inside `std::shared_ptr`, while under mac it sits on `std::tr1::shared_ptr`. If I modify the call adding `tr1` then it works on mac, but not on linux.

Another strange thing I found is that in `ModelParSet` the following function is private:

```
class ModelParSet {
private:
    /**
     * Small structure defining the comparison operator used in the map
     * #model_par_map. Will return true only if this model parameter is equal to
     * the parameter. It is used when concatenating multiple ModelPar objects to
     * avoid having multiple instances of the same parameter. The check is based
     * on a name comparison.
     */
    struct stringcomp {
        bool operator()(const std::string& lhs, const std::string& rhs) const {
            return lhs.compare(rhs) < 0;
        }
    };
};
```

but it is used in `ModelParameterHandler.cxx`. In this case one has to move the function to public in order to compile.

Another problem under MAC:

```
[ 57%] Building CXX object lmd/CMakeFiles/Model.dir/LmdFit/Model.cxx.o
```

```
cc1plus: error: unrecognized command line option "-std=c++0x"
```

Is it really needed the flag `c++0x`? All the other packages do not have it. What's the reason?

Is it possible to fix this package so that it compiles also under Mac?

However, it seems the package does not follow the pandaroot coding rules. If this is only for group analyses maybe it would be better to put it under development so that the main compilation is not affected.
