## Subject: [FIXED] FairEvtFilter problem with c++11 Posted by StefanoSpataro on Wed, 12 Nov 2014 17:16:38 GMT

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Trying to install pandaroot with the new external packages and git, in an Ubuntu 14.10 (gcc 4.9.1) I have seen that the code has problems with the C++11 options. In particular:

In file included from

/home/lavezzi/git/pandaroot/pgenerators/eventFilter/FairFilteredPrimaryGenerator.h:27:0, from

/home/lavezzi/git/pandaroot/pgenerators/eventFilter/FairFilteredPrimaryGenerator.cxx:1: /home/lavezzi/git/pandaroot/pgenerators/eventFilter/FairEvtFilter.h:129:46: error: 'constexpr' needed for in-class initialization of static data member 'const Double\_t FairEvtFilter::kNoChargeSpecified' of non-integral type [-fpermissive] static const Double\_t kNoChargeSpecified = -999.9;

pgenerators/CMakeFiles/PGen.dir/build.make:497: recipe for target 'pgenerators/CMakeFiles/PGen.dir/eventFilter/FairFilteredPrimaryGenerator.cxx.o' failed

In c++11 static const of a non-integer number is not allowed, one should use constexpr. But if I use constexpr:

[ 9%] Generating G\_\_PGenDict.cxx

Error: Invalid type 'constexpr' in declaration of 'Double\_t kNoChargeSpecified'
/home/lavezzi/git/pandaroot/pgenerators/eventFilter/FairEvtFilter.h:129:
Warning: Error occurred during reading source files
Warning: Error occurred during dictionary source generation
!!!Removing /home/lavezzi/git/pandaroot/cbuild/pgenerators/G\_\_PGenDict.cxx
/home/lavezzi/git/pandaroot/cbuild/pgenerators/G\_\_PGenDict.h !!!
Error: /home/lavezzi/git/fairsoft\_jul14p3/externals/bin/rootcint: error loading headers...
pgenerators/CMakeFiles/PGen.dir/build.make:77: recipe for target
'pgenerators/G\_\_PGenDict.cxx' failed
make[2]: \*\*\* [pgenerators/G\_\_PGenDict.cxx] Error 1

Martin, can you fix this problem? This is present in several classes, including also FTS. From some comments i read in the forum, what you are doing is a bit nasty and should be disegned in a different and safer way.

Thanks in advance.