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Subject: Re: FairEvtFilter problem with c++11

Posted by [StefanoSpataro](#) on Fri, 14 Nov 2014 10:19:48 GMT

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I fixed in the code and committed in svn.

Simply you cannot assign the value of a static const in the header, but you need to move it to the .cxx (thanks Mohammad and Florain for the help).

A good question is why you are defining pi, instead of using TMath::Pi().

You can find below the changes I did.

```
pandauser@panda-VirtualBox:~/fairsoft_jul14p3/pandaroot$ svn diff fts/FtsTracking/  
Index: fts/FtsTracking/PndFtsHoughTrackFinder.cxx
```

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```
--- fts/FtsTracking/PndFtsHoughTrackFinder.cxx (revision 26438)  
+++ fts/FtsTracking/PndFtsHoughTrackFinder.cxx (working copy)  
@@ -4,8 +4,10 @@
```

```
ClassImp(PndFtsHoughTrackFinder);
```

```
+const Double_t PndFtsHoughTrackFinder::meinpi = 3.14159265359;  
+const Double_t PndFtsHoughTrackFinder::fZLineParabola = 368.;  
+const Double_t PndFtsHoughTrackFinder::fZParabolaLine = 605.;
```

```
- PndFtsHoughTrackFinder::PndFtsHoughTrackFinder(PndFtsHoughTrackerTask *trackerTask)  
:  
    fTrackerTask(trackerTask),
```

```
Index: fts/FtsTracking/PndFtsHoughTrackFinder.h
```

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```
--- fts/FtsTracking/PndFtsHoughTrackFinder.h (revision 26438)  
+++ fts/FtsTracking/PndFtsHoughTrackFinder.h (working copy)  
@@ -164,10 +164,10 @@
```

```
    // std::vector<PndTrackCand> fTrackCand; // resulting track candidates, also used for  
    returning PndTracks
```

```
- static const Double_t meinpi = 3.14159265359;  
+ static const Double_t meinpi;  
  ///< sets where the apex of the parabola is supposed to be  
- static const Double_t fZLineParabola = 368.; // the value should coincide with the start of the  
dipole field // 368. was ok  
- static const Double_t fZParabolaLine = 605.; // the value should coincide with the end of the  
dipole field // TODO determine this value  
+ static const Double_t fZLineParabola; // the value should coincide with the start of the dipole  
field // 368. was ok  
+ static const Double_t fZParabolaLine; // the value should coincide with the end of the dipole  
field // TODO determine this value
```

```
pandauser@panda-VirtualBox:~/fairsoft_jul14p3/pandaroot$ svn diff pgenerators/eventFilter/
Index: pgenerators/eventFilter/FairEvtFilter.cxx
=====
--- pgenerators/eventFilter/FairEvtFilter.cxx (revision 26438)
+++ pgenerators/eventFilter/FairEvtFilter.cxx (working copy)
@@ -5,8 +5,8 @@

#include "FairEvtFilter.h"

+const Double_t FairEvtFilter::kNoChargeSpecified = -999.9;

-
// ----- Default constructor -----
FairEvtFilter::FairEvtFilter()
: TNamed(), fEventNr(0), fVerbose(0), fTestMode(0)
Index: pgenerators/eventFilter/FairEvtFilter.h
=====
--- pgenerators/eventFilter/FairEvtFilter.h (revision 26438)
+++ pgenerators/eventFilter/FairEvtFilter.h (working copy)
@@ -126,7 +126,7 @@

TDatabasePDG* fdbPdg;
// constant holding a double number which is not a valid charge
// this serves to indicate that the value has not been specified by the user
- static const Double_t kNoChargeSpecified = -999.9;
+ static const Double_t kNoChargeSpecified;

TClonesArray* fParticleList; // list of particles in the event which was generated
Int_t fVerbose; // level of commenting output for your filter, between 0 and 12
```

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