
Subject: Re: FairEvtFilter problem with c++11
Posted by [Stefano Spataro](#) on Fri, 14 Nov 2014 10:19:48 GMT
[View Forum Message](#) <> [Reply to Message](#)

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

```
=====
--- 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

```
=====
--- 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
```