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Subject: [FIXED] Tutorial Error  
Posted by [Simon Reiter](#) on Tue, 07 May 2013 15:32:01 GMT  
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Hey everybody,

I'm completely new to all this, so I tried to tutorial of feb12. Executing go\_stt\_evt.sh works but when I start either ana\_task.C or anatut\_psi2s.C I get that error:

```
Processing ana_task.C...
(int)0
FairRootManager::OpenOutFile("outanatastask.root")
[INFO ] The input consists out of the following trees and files:
[INFO ] - cbmsim
[INFO ] - points_sttcombi.root
[INFO ] - FriendTree_1
[INFO ] - pid_sttcombi.root
[INFO ] - FriendTree_2
[INFO ] - reco_sttcombi.root
[INFO ] Parameter and input file are available, Assure that basic info is there for the run!
[INFO ] The number of entries in chain is 5
```

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initialisation for run id 1850365163
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```
Info in <TGeoManager::CloseGeometry>: Geometry loaded from file...
Info in <TGeoManager::SetTopVolume>: Top volume is cave. Master volume is cave
Info in <TGeoNavigator::BuildCache>: --- Maximum geometry depth set to 100
Info in <TGeoManager::Voxelize>: Voxelizing...
Info in <TGeoManager::CountLevels>: max level = 12, max placements = 4896
Info in <TGeoManager::CloseGeometry>: 2014992 nodes/ 5764 volume UID's in FAIR
geometry
Info in <TGeoManager::CloseGeometry>: -----modeler ready-----
Container FairBaseParSet initialized from ROOT file.
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initialisation for run id 1850365163
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```
PndFieldCreator::SetParm() 0xa07f910
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initialisation for run id 1850365163
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*****
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```
Container PndMultiFieldPar initialized from ROOT file.
OBJ: PndTransPar PndTransPar Trans. Field parameter container
OBJ: PndDipole1Par PndDipole1Par Dipole Field parameter container
OBJ: PndDipole2Par PndDipole2Par Dipole Field parameter container
OBJ: PndSolenoid1Par PndSolenoid1Par Solenoid 1st region parameter container
OBJ: PndSolenoid2Par PndSolenoid2Par Solenoid 2nd region parameter container
OBJ: PndSolenoid3Par PndSolenoid3Par Solenoid 3rd region parameter container
OBJ: PndSolenoid4Par PndSolenoid4Par Solenoid 4th region parameter container
[INFO ] PndFieldMap: Reading field map from ROOT file
```

```

/home/sreiter/pandaroot/trunk/input/TransMap.1500.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/home/sreiter/pandaroot/trunk/input/DipoleMap1.1500.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/home/sreiter/pandaroot/trunk/input/DipoleMap2.1500.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/home/sreiter/pandaroot/trunk/input/SolenoidMap1.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/home/sreiter/pandaroot/trunk/input/SolenoidMap2.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/home/sreiter/pandaroot/trunk/input/SolenoidMap3.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/home/sreiter/pandaroot/trunk/input/SolenoidMap4.root
-I- PndAnalysis::Init(): Trying now.
[INFO ] Branch: not found in Tree
[INFO ] Branch: not found in Tree
-I- PndAnalysis::ReadTCA(): No array found.
-I- PndAnalysis::Init(): Trying SttMvdGenTrack now.
[INFO ] Branch: LheGenTrack not found in Tree
[INFO ] Branch: LheGenTrack not found in Tree
-I- PndAnalysis::ReadTCA(): No LheGenTrack array found.
-I- PndAnalysis::Init(): Trying SttMvdGenTrack now.
[INFO ] Branch: SttMvdGenTrack not found in Tree
[INFO ] Branch: SttMvdGenTrack not found in Tree
-I- PndAnalysis::ReadTCA(): No SttMvdGenTrack array found.
-I- PndAnalysis::Init(): Trying SttMvdGemGenTrack now.
Collection name='SttMvdGemGenTrack', class='TClonesArray', size=0
-I- PndAnalysis::Init(): Second: Trying now.
[INFO ] Branch: not found in Tree
[INFO ] Branch: not found in Tree
-I- PndAnalysis::ReadTCA(): No array found.
-I- PndAnalysis::Init(): Second: Trying FTSGenTrack now.
[INFO ] Branch: FTSGenTrack not found in Tree
[INFO ] Branch: FTSGenTrack not found in Tree
-I- PndAnalysis::ReadTCA(): No FTSGenTrack array found.
-I- PndAnalysis::Init(): Second: Trying FTSTrkIdeal now.
[INFO ] Branch: FTSTrkIdeal not found in Tree
[INFO ] Branch: FTSTrkIdeal not found in Tree
-I- PndAnalysis::ReadTCA(): No FTSTrkIdeal array found.
[INFO ] Branch: PndMcTracks not found in Tree
[INFO ] Branch: PndMcTracks not found in Tree
-I- PndAnalysis::ReadTCA(): No PndMcTracks array found.
-I- PndAnalysis::Init(): Trying mc stack now.
TRho::GetPDG: Instantiating TDatabasePDG from
/home/sreiter/pandaroot/trunk/rho/RhoParameters/PDT/evt.pdl

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initialisation for run id 1850365163
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[ERROR ] init() ANAPidSelections not initialized
Error in <FairRuntimeDb::initContainers(>: Error occured during initialization
-I- PndMyAnalysisTask: Intialization successfull

```



Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoEmcBayes' at 0x201e690 of size zero, skip setting pid for candidate 0.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoEmcBayes' at 0x201e690 of size zero, skip setting pid for candidate 1.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoEmcBayes' at 0x201e690 of size zero, skip setting pid for candidate 2.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoEmcBayes' at 0x201e690 of size zero, skip setting pid for candidate 3.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoEmcBayes' at 0x201e690 of size zero, skip setting pid for candidate 4.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoEmcBayes' at 0x201e690 of size zero, skip setting pid for candidate 0.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoEmcBayes' at 0x201e690 of size zero, skip setting pid for candidate 1.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoEmcBayes' at 0x201e690 of size zero, skip setting pid for candidate 2.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoEmcBayes' at 0x201e690 of size zero, skip setting pid for candidate 3.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoEmcBayes' at 0x201e690 of size zero, skip setting pid for candidate 4.  
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Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoEmcBayes' at 0x201e690 of size zero, skip setting pid for candidate 3.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoEmcBayes' at 0x201e690 of size zero, skip setting pid for candidate 4.  
[INFO ] The number of entries in chain is 5

My system is running on fairrot of sep12 and pandaroot of apr13.

Is this easy to fix or did I miss anything?

Greetings  
Simon Reiter

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Subject: Re: Tutorial Error  
Posted by [Stefano Spataro](#) on Tue, 07 May 2013 15:36:08 GMT  
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ana\_task.C is not the standard macro, it is only an alternative way for analysis that most probably it is not updated.  
Please try anatut\_psi2s.C and put here the full log.

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Subject: Re: Tutorial Error

Posted by [Simon Reiter](#) on Tue, 07 May 2013 15:40:44 GMT

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Here is the log of anatut\_psi2s.C

Processing anatut\_psi2s.C...

(int)0

Warning in <TClass::TClass>: no dictionary for class PndSttTubeParameters is available  
FairRootManager::OpenOutFile("output.root")

[INFO ] The input consists out of the following trees and files:

[INFO ] - cbmsim

[INFO ] - points\_sttcombi.root

[INFO ] - FriendTree\_1

[INFO ] - pid\_sttcombi.root

[INFO ] - FriendTree\_2

[INFO ] - reco\_sttcombi.root

[INFO ] Parameter and input file are available, Assure that basic info is there for the run!

[INFO ] The number of entries in chain is 5

\*\*\*\*\*

initialisation for run id 1850365163

\*\*\*\*\*

Info in <TGeoManager::CloseGeometry>: Geometry loaded from file...

Info in <TGeoManager::SetTopVolume>: Top volume is cave. Master volume is cave

Info in <TGeoNavigator::BuildCache>: --- Maximum geometry depth set to 100

Info in <TGeoManager::Voxelize>: Voxelizing...

Info in <TGeoManager::CountLevels>: max level = 12, max placements = 4896

Info in <TGeoManager::CloseGeometry>: 2014992 nodes/ 5764 volume UID's in FAIR geometry

Info in <TGeoManager::CloseGeometry>: -----modeler ready-----

Container FairBaseParSet initialized from ROOT file.

\*\*\*\*\*

initialisation for run id 1850365163

\*\*\*\*\*

PndFieldCreator::SetParm() 0x181c12c0

\*\*\*\*\*

initialisation for run id 1850365163

\*\*\*\*\*

Container PndMultiFieldPar initialized from ROOT file.

OBJ: PndTransPar PndTransPar Trans. Field parameter container

OBJ: PndDipole1Par PndDipole1Par Dipole Field parameter container

OBJ: PndDipole2Par PndDipole2Par Dipole Field parameter container

OBJ: PndSolenoid1Par PndSolenoid1Par Solenoid 1st region parameter container

OBJ: PndSolenoid2Par PndSolenoid2Par Solenoid 2nd region parameter container

OBJ: PndSolenoid3Par PndSolenoid3Par Solenoid 3rd region parameter container

OBJ: PndSolenoid4Par PndSolenoid4Par Solenoid 4th region parameter container

[INFO ] PndFieldMap: Reading field map from ROOT file

/home/panda/pandaroot\_apr13/apr13/input/TransMap.1500.root

[INFO ] PndFieldMap: Reading field map from ROOT file

```
/home/panda/pandaroot_apr13/apr13/input/DipoleMap1.1500.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/home/panda/pandaroot_apr13/apr13/input/DipoleMap2.1500.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/home/panda/pandaroot_apr13/apr13/input/SolenoidMap1.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/home/panda/pandaroot_apr13/apr13/input/SolenoidMap2.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/home/panda/pandaroot_apr13/apr13/input/SolenoidMap3.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/home/panda/pandaroot_apr13/apr13/input/SolenoidMap4.root
-I- PndAnalysis::Init(): Trying now.
[INFO ] Branch: not found in Tree
[INFO ] Branch: not found in Tree
-I- PndAnalysis::ReadTCA(): No array found.
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[INFO ] Branch: LheGenTrack not found in Tree
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-I- PndAnalysis::Init(): Trying SttMvdGenTrack now.
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[INFO ] Branch: not found in Tree
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-I- PndAnalysis::Init(): Second: Trying FTSGenTrack now.
[INFO ] Branch: FTSGenTrack not found in Tree
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-I- PndAnalysis::Init(): Second: Trying FTSTrkIdeal now.
[INFO ] Branch: FTSTrkIdeal not found in Tree
[INFO ] Branch: FTSTrkIdeal not found in Tree
-I- PndAnalysis::ReadTCA(): No FTSTrkIdeal array found.
[INFO ] Branch: PndMcTracks not found in Tree
[INFO ] Branch: PndMcTracks not found in Tree
-I- PndAnalysis::ReadTCA(): No PndMcTracks array found.
-I- PndAnalysis::Init(): Trying mc stack now.
TRho::GetPDG: Instantiating TDatabasePDG from
/home/panda/pandaroot_apr13/apr13/rho/RhoParameters/PDT/evt.pdl
```

```
*****
```

```
initialisation for run id 1850365163
```

```
*****
```

```
[ERROR ] init() ANAPidSelections not initialized
Error in <FairRuntimeDb::initContainers(>: Error occurred during initialization
[INFO ] The number of entries in chain is 5
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoMvd' at 0x1015c9e0 of
size zero, skip setting pid for candidate 0.
```



Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoStt' at 0x1015cd10 of size zero, skip setting pid for candidate 3.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoMvd' at 0x1015c9e0 of size zero, skip setting pid for candidate 4.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoStt' at 0x1015cd10 of size zero, skip setting pid for candidate 4.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoMvd' at 0x1015c9e0 of size zero, skip setting pid for candidate 0.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoStt' at 0x1015cd10 of size zero, skip setting pid for candidate 0.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoMvd' at 0x1015c9e0 of size zero, skip setting pid for candidate 1.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoStt' at 0x1015cd10 of size zero, skip setting pid for candidate 1.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoMvd' at 0x1015c9e0 of size zero, skip setting pid for candidate 2.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoStt' at 0x1015cd10 of size zero, skip setting pid for candidate 2.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoMvd' at 0x1015c9e0 of size zero, skip setting pid for candidate 3.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoStt' at 0x1015cd10 of size zero, skip setting pid for candidate 3.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoMvd' at 0x1015c9e0 of size zero, skip setting pid for candidate 4.  
Error in <PndAnaPidCombiner::Apply>: PID Probability array 'PidAlgoStt' at 0x1015cd10 of size zero, skip setting pid for candidate 4.  
[INFO ] The number of entries in chain is 5

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Subject: Re: Tutorial Error

Posted by [Ralf Kliemt](#) on Wed, 08 May 2013 06:12:26 GMT

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Hello Simon,

How many events do you analyze? It is a known bug in the apr13 release that the first event is not properly read. Try to analyze more events or, if you already did, look at your output histograms.

That issue is fixed in further revisions.

Cheers  
Ralf

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