
Subject: Re: Mc Truth Match

Posted by [MartinJGaluska](#) on Fri, 23 Aug 2013 10:14:18 GMT

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Yes, here is the complete output that comes before I see my user generated content (for 10k events of psi(2S) to jpsi gamma and all jpsi decays).

```
root [0]
```

```
Processing mcmatchtestRemove.C...
```

```
(int)0
```

```
Warning in <TStreamerInfo::BuildCheck>:
```

```
  The StreamerInfo of class PndDrc read from file simparams.root  
  has the same version (=11) as the active class but a different checksum.
```

```
  You should update the version to ClassDef(PndDrc,12).
```

```
  Do not try to write objects with the current class definition,  
  the files will not be readable.
```

```
Warning in <TStreamerInfo::CompareContent>: The following data member of  
the in-memory layout version 11 of class 'PndDrc' is missing from  
the on-file layout version 11:
```

```
  Double_t fPackingFraction; //
```

```
Warning in <TStreamerInfo::CompareContent>: The following data member of  
the in-memory layout version 11 of class 'PndDrc' is missing from  
the on-file layout version 11:
```

```
  Bool_t fStopTime; //
```

```
Warning in <TStreamerInfo::CompareContent>: The following data member of  
the in-memory layout version 11 of class 'PndDrc' is missing from  
the on-file layout version 11:
```

```
  Double_t fPhoMaxTime; //
```

```
Warning in <TStreamerInfo::CompareContent>: The following data member of  
the in-memory layout version 11 of class 'PndDrc' is missing from  
the on-file layout version 11:
```

```
  Bool_t fTakeDirect; //
```

```
Warning in <TStreamerInfo::CompareContent>: The following data member of  
the in-memory layout version 11 of class 'PndDrc' is missing from  
the on-file layout version 11:
```

```
  Bool_t fTakeReflected; //
```

```
Warning in <TStreamerInfo::CompareContent>: The following data member of  
the in-memory layout version 11 of class 'PndDrc' is missing from  
the on-file layout version 11:
```

```
  Int_t fFocusing; //
```

```
Warning in <TStreamerInfo::CompareContent>: The following data member of  
the in-memory layout version 11 of class 'PndDrc' is missing from  
the on-file layout version 11:
```

```
  Bool_t fTakeRealReflectivity; //
```

```
Warning in <TStreamerInfo::CompareContent>: The following data member of  
the in-memory layout version 11 of class 'PndDrc' is missing from  
the on-file layout version 11:
```

```
  Bool_t fStopSecondaries; //
```

```
Warning in <TStreamerInfo::CompareContent>: The following data member of  
the in-memory layout version 11 of class 'PndDrc' is missing from
```

the on-file layout version 11:

```
    Bool_t fStopChargedTrackAfterDIRC; //
```

Warning in <TStreamerInfo::CompareContent>: The following data member of the in-memory layout version 11 of class 'PndDrc' is missing from

the on-file layout version 11:

```
    Bool_t fSetBlackLens; //
```

Warning in <TStreamerInfo::CompareContent>: The following data member of the in-memory layout version 11 of class 'PndDrc' is missing from

the on-file layout version 11:

```
    TArrayl fProc; //
```

Warning in <TStreamerInfo::CompareContent>: The following data member of the in-memory layout version 11 of class 'PndDrc' is missing from

the on-file layout version 11:

```
    Int_t fPdgCode; //
```

Warning in <TStreamerInfo::CompareContent>: The following data member of the in-memory layout version 11 of class 'PndDrc' is missing from

the on-file layout version 11:

```
    Double_t fThetaC; //
```

Warning in <TStreamerInfo::CompareContent>: The following data member of the in-memory layout version 11 of class 'PndDrc' is missing from

the on-file layout version 11:

```
    Int_t fEventID; //
```

Warning in <TStreamerInfo::CompareContent>: The following data member of the in-memory layout version 11 of class 'PndDrc' is missing from

the on-file layout version 11:

```
    Float_t fTime_out; //
```

Warning in <TStreamerInfo::CompareContent>: The following data member of the in-memory layout version 11 of class 'PndDrc' is missing from

the on-file layout version 11:

```
    Float_t fTime_in; //
```

Warning in <TStreamerInfo::CompareContent>: The following data member of the in-memory layout version 11 of class 'PndDrc' is missing from

the on-file layout version 11:

```
    Float_t fLength_in; //
```

Warning in <TStreamerInfo::CompareContent>: The following data member of the in-memory layout version 11 of class 'PndDrc' is missing from

the on-file layout version 11:

```
    Float_t fLength_out; //
```

Warning in <TStreamerInfo::CompareContent>: The following data member of the in-memory layout version 11 of class 'PndDrc' is missing from

the on-file layout version 11:

```
    Float_t fPEnergy; //
```

Warning in <TStreamerInfo::CompareContent>: The following data member of the in-memory layout version 11 of class 'PndDrc' is missing from

the on-file layout version 11:

```
    Float_t fLambda1; //
```

Warning in <TStreamerInfo::CompareContent>: The following data member of the in-memory layout version 11 of class 'PndDrc' is missing from

the on-file layout version 11:

```
    Float_t fDeltaT; //
```

Warning in <TStreamerInfo::CompareContent>: The following data member of the in-memory layout version 11 of class 'PndDrc' is missing from

the on-file layout version 11:

```
Double32_t fTrackTime; //
```

Warning in <TStreamerInfo::CompareContent>: The following data member of the in-memory layout version 11 of class 'PndDrc' is missing from

the on-file layout version 11:

```
Int_t fSenId1; //
```

Warning in <TStreamerInfo::CompareContent>: The following data member of the in-memory layout version 11 of class 'PndDrc' is missing from

the on-file layout version 11:

```
Int_t fSenId2; //
```

Warning in <TStreamerInfo::CompareContent>: The following data member of the in-memory layout version 11 of class 'PndDrc' is missing from

the on-file layout version 11:

```
Int_t fSenIdBar; //
```

```
FairRootManager::OpenOutFile("output.root")
```

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

```
[INFO ] - cbmsim
```

```
[INFO ] - pid_complete.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 10000
```

```
[INFO ] Branch: MCEventHeader. not found in Tree
```

```
[INFO ] Branch: MCEventHeader. not found in Tree
```

```
*****
```

```
initialisation for run id 1377190965
```

```
*****
```

```
-l- FairRunTimeDB::InitContainer() FairBaseParSet
```

```
Info in (PndGeoHandling::Instance): Making a new instance using the framework.
```

```
Error in <TBufferFile::CheckByteCount>: object of class PndDrc read too many bytes: 27185 instead of 27177
```

```
Warning in <TBufferFile::CheckByteCount>: PndDrc::Streamer() not in sync with data on file simparams.root, fix Streamer()
```

```
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>: 2008273 nodes/ 5804 volume UID's in FAIR geometry
```

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

```
Container FairBaseParSet initialized from ROOT file.
```

```
*****
```

```
initialisation for run id 1377190965
```

```
*****
```

```
-l- FairRunTimeDB::InitContainer() FairBaseParSet
```

```
-l- FairRunTimeDB::InitContainer() PndSensorNamePar
```

```
Container PndSensorNamePar initialized from ROOT file.
```

```
PndFieldCreator::SetParm() 0x8890830
```

```
*****
```

```
initialisation for run id 1377190965
```

```
-I- FairRunTimeDB::InitContainer() FairBaseParSet
-I- FairRunTimeDB::InitContainer() PndSensorNamePar
-I- FairRunTimeDB::InitContainer() PndMultiFieldPar
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/pandaroot_jun13/trunk/input/TransMap.0890.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/home/pandaroot_jun13/trunk/input/DipoleMap1.0890.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/home/pandaroot_jun13/trunk/input/DipoleMap2.0890.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/home/pandaroot_jun13/trunk/input/SolenoidMap1.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/home/pandaroot_jun13/trunk/input/SolenoidMap2.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/home/pandaroot_jun13/trunk/input/SolenoidMap3.root
[INFO ] PndFieldMap: Reading field map from ROOT file
/home/pandaroot_jun13/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.
[INFO ] Branch: SttMvdGemGenTrack not found in Tree
[INFO ] Branch: SttMvdGemGenTrack not found in Tree
-I- PndAnalysis::ReadTCA(): No SttMvdGemGenTrack array found.
-I- PndAnalysis::Init(): Trying BarrelGenTrack now.
[INFO ] Branch: BarrelGenTrack not found in Tree
[INFO ] Branch: BarrelGenTrack not found in Tree
-I- PndAnalysis::ReadTCA(): No BarrelGenTrack array found.
-E- PndAnalysis::Init(): No track inpt array. Make a Zero TclonesArray.
-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: FTSTGenTrack not found in Tree
[INFO ] Branch: FTSTGenTrack not found in Tree
-l- PndAnalysis::ReadTCA(): No FTSTGenTrack array found.
-l- PndAnalysis::Init(): Second: Trying FTSTrkIdeal now.
[INFO ] Branch: FTSTrkIdeal not found in Tree
[INFO ] Branch: FTSTrkIdeal not found in Tree
-l- PndAnalysis::ReadTCA(): No FTSTrkIdeal array found.
[INFO ] Branch: PndMcTracks not found in Tree
[INFO ] Branch: PndMcTracks not found in Tree
-l- PndAnalysis::ReadTCA(): No PndMcTracks array found.
-l- PndAnalysis::Init(): Trying mc stack now.
```

```
*****
```

```
initialisation for run id 1377190965
```

```
*****
```

```
-l- FairRunTimeDB::InitContainer() FairBaseParSet
-l- FairRunTimeDB::InitContainer() PndSensorNamePar
-l- FairRunTimeDB::InitContainer() PndMultiFieldPar
-l- FairRunTimeDB::InitContainer() ANAPidSelections
[ERROR ] init() ANAPidSelections not initialized
Error in <FairRuntimeDb::initContainers(>: Error occurred during initialization
[INFO ] The number of entries in chain is 10000
[INFO ] The number of entries in chain is 10000
```

[Edit: The output above is for the gamma simulation, I do not see the PndDrc errors in the simulation of $\psi(4040)$ to $D0$ anti- $D0$ / $D+$ $D-$ and all D decays or the standard rho tutorial decay. The rest of the output is identical apart from run numbers.]