mICALDigiToReco

Chapter 1

Namespace Index

1.1 Namespace List

Here is a list of all namespaces with brief descriptions:

Chapter 2

Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

Chapter 3

Class Index

3.1   Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

Chapter 4

File Index

4.1   File List

Here is a list of all files with brief descriptions:

Chapter 5

Namespace Documentation

5.1 ROOT Namespace Reference

Functions

- TGenericClassInfo ∗ GenerateInitInstance (const ::HitPos ∗)
- R__UseDummy (_R__UNIQUE_DICT_(Init))
- TGenericClassInfo ∗ GenerateInitInstance (const ::Hits ∗)

5.1.1 Function Documentation

5.1.1.1 GenerateInitInstance() [1/2]

```
TGenericClassInfo* ROOT::GenerateInitInstance (
            const ::HitPos *  )
```

5.1.1.2 GenerateInitInstance() [2/2]

```
TGenericClassInfo* ROOT::GenerateInitInstance (
            const ::Hits *  )
```

5.1.1.3 R__UseDummy()

```
ROOT::R__UseDummy (
            _R__UNIQUE_DICT_(Init)  )
```

5.2 std Namespace Reference

Chapter 6

Class Documentation

6.1 InoNewTrackFitAlg::ClustStruct Struct Reference

`#include <InoNewTrackFitAlg.h>`

Collaboration diagram for InoNewTrackFitAlg::ClustStruct:

Public Attributes

- InoCluster ∗ csh

6.1.1 Member Data Documentation

6.1.1.1 csh

`InoCluster ∗ InoNewTrackFitAlg::ClustStruct::csh`

The documentation for this struct was generated from the following file:

- inc/InoNewTrackFitAlg.h

6.2 InoOldTrackFitAlg::ClustStruct Struct Reference

`#include <InoOldTrackFitAlg.h>`

Collaboration diagram for InoOldTrackFitAlg::ClustStruct:

Public Attributes

- InoCluster ∗ csh

6.2.1 Member Data Documentation

6.2.1.1 csh

InoCluster * InoOldTrackFitAlg::ClustStruct::csh

The documentation for this struct was generated from the following file:

- inc/InoOldTrackFitAlg.h

6.3 CmvCluster Class Reference

#include <CmvCluster.h>

Public Member Functions

- CmvCluster ()
- CmvCluster (CmvHit *L0, CmvHit *L1)
- CmvCluster (CmvCluster *L0, CmvCluster *L1)
- CmvCluster (CmvCluster *cluster)
- ∼CmvCluster ()
- void CombineClusts (CmvCluster *C2)
- int GetPlane ()
- int GetLayer ()
- int GetStrip ()
- int GetClustersize ()
- void Print ()
- bool GetUsed () const
- void SetClustersize (int fd)
- void SetPlane (double fd)
- void SetLayer (double fd)
- void SetStrip (double fd)
- void SetTruePosX (double fd)
- void SetTruePosY (double fd)
- void SetTruePosZ (double fd)
- void SetRecoPosX (double fd)
- void SetRecoPosY (double fd)
- void SetRecoPosZ (double fd)
- void SetPosXErr (double fd)
- void SetPosYErr (double fd)
- void SetPosZErr (double fd)
- void SetLeTime (double fd)
- void SetRiTime (double fd)
- void SetLePulse (double fd)
- void SetRiPulse (double fd)
- void SetGenMom (double fd)
- void SetGenThe (double fd)

- void SetGenPhi (double fd)
- double GetTruePosX ()
- double GetTruePosY ()
- double GetTruePosZ ()
- double GetRecoPosX ()
- double GetRecoPosY ()
- double GetRecoPosZ ()
- double GetPosXErr ()
- double GetPosYErr ()
- double GetPosZErr ()
- double GetLeTime ()
- double GetRiTime ()
- double GetLePulse ()
- double GetRiPulse ()
- double GetGenMom ()
- double GetGenThe ()
- double GetGenPhi ()
- bool isIdentical (CmvCluster ∗cluster)
- void SetUsed (bool fd)

6.3.1 Constructor & Destructor Documentation

6.3.1.1 CmvCluster() [1/4]

```
CmvCluster::CmvCluster ( )
```

6.3.1.2 CmvCluster() [2/4]

```
CmvCluster::CmvCluster (
            CmvHit * L0,
            CmvHit * L1 )
```

6.3.1.3 CmvCluster() [3/4]

```
CmvCluster::CmvCluster (
            CmvCluster * L0,
            CmvCluster * L1 )
```

6.3.1.4 CmvCluster() **[4/4]**

```
CmvCluster::CmvCluster (
            CmvCluster * cluster )
```

6.3.1.5 ∼CmvCluster()

```
CmvCluster::∼CmvCluster ( )
```

6.3.2 Member Function Documentation

6.3.2.1 CombineClusts()

```
void CmvCluster::CombineClusts (
            CmvCluster * C2 )
```

6.3.2.2 GetClustersize()

```
int CmvCluster::GetClustersize ( )  [inline]
```

6.3.2.3 GetGenMom()

```
double CmvCluster::GetGenMom ( )  [inline]
```

6.3.2.4 GetGenPhi()

```
double CmvCluster::GetGenPhi ( )  [inline]
```

6.3.2.5 GetGenThe()

```
double CmvCluster::GetGenThe ( )  [inline]
```

6.3.2.6 GetLayer()

```
int CmvCluster::GetLayer ( )  [inline]
```

6.3.2.7 GetLePulse()

```
double CmvCluster::GetLePulse ( )  [inline]
```

6.3.2.8 GetLeTime()

```
double CmvCluster::GetLeTime ( )  [inline]
```

6.3.2.9 GetPlane()

```
int CmvCluster::GetPlane ( )  [inline]
```

6.3.2.10 GetPosXErr()

```
double CmvCluster::GetPosXErr ( )  [inline]
```

6.3.2.11 GetPosYErr()

```
double CmvCluster::GetPosYErr ( )  [inline]
```

6.3.2.12 GetPosZErr()

```
double CmvCluster::GetPosZErr ( )  [inline]
```

6.3.2.13 GetRecoPosX()

```
double CmvCluster::GetRecoPosX ( )  [inline]
```

6.3.2.14　GetRecoPosY()

```
double CmvCluster::GetRecoPosY ( )  [inline]
```

6.3.2.15　GetRecoPosZ()

```
double CmvCluster::GetRecoPosZ ( )  [inline]
```

6.3.2.16　GetRiPulse()

```
double CmvCluster::GetRiPulse ( )  [inline]
```

6.3.2.17　GetRiTime()

```
double CmvCluster::GetRiTime ( )  [inline]
```

6.3.2.18　GetStrip()

```
int CmvCluster::GetStrip ( )  [inline]
```

6.3.2.19　GetTruePosX()

```
double CmvCluster::GetTruePosX ( )  [inline]
```

6.3.2.20　GetTruePosY()

```
double CmvCluster::GetTruePosY ( )  [inline]
```

6.3.2.21　GetTruePosZ()

```
double CmvCluster::GetTruePosZ ( )  [inline]
```

6.3.2.22 GetUsed()

```
bool CmvCluster::GetUsed ( ) const  [inline]
```

6.3.2.23 isIdentical()

```
bool CmvCluster::isIdentical (
            CmvCluster * cluster )
```

6.3.2.24 Print()

```
void CmvCluster::Print ( )
```

6.3.2.25 SetClustersize()

```
void CmvCluster::SetClustersize (
            int fd ) [inline]
```

6.3.2.26 SetGenMom()

```
void CmvCluster::SetGenMom (
            double fd ) [inline]
```

6.3.2.27 SetGenPhi()

```
void CmvCluster::SetGenPhi (
            double fd ) [inline]
```

6.3.2.28 SetGenThe()

```
void CmvCluster::SetGenThe (
            double fd ) [inline]
```

6.3.2.29 SetLayer()

```
void CmvCluster::SetLayer (
            double fd ) [inline]
```

6.3.2.30 SetLePulse()

```
void CmvCluster::SetLePulse (
            double fd ) [inline]
```

6.3.2.31 SetLeTime()

```
void CmvCluster::SetLeTime (
            double fd ) [inline]
```

6.3.2.32 SetPlane()

```
void CmvCluster::SetPlane (
            double fd ) [inline]
```

6.3.2.33 SetPosXErr()

```
void CmvCluster::SetPosXErr (
            double fd ) [inline]
```

6.3.2.34 SetPosYErr()

```
void CmvCluster::SetPosYErr (
            double fd ) [inline]
```

6.3.2.35 SetPosZErr()

```
void CmvCluster::SetPosZErr (
            double fd ) [inline]
```

6.3.2.36 SetRecoPosX()

```
void CmvCluster::SetRecoPosX (
            double fd ) [inline]
```

6.3.2.37 SetRecoPosY()

```
void CmvCluster::SetRecoPosY (
            double fd ) [inline]
```

6.3.2.38 SetRecoPosZ()

```
void CmvCluster::SetRecoPosZ (
            double fd ) [inline]
```

6.3.2.39 SetRiPulse()

```
void CmvCluster::SetRiPulse (
            double fd ) [inline]
```

6.3.2.40 SetRiTime()

```
void CmvCluster::SetRiTime (
            double fd ) [inline]
```

6.3.2.41 SetStrip()

```
void CmvCluster::SetStrip (
            double fd ) [inline]
```

6.3.2.42 SetTruePosX()

```
void CmvCluster::SetTruePosX (
            double fd ) [inline]
```

6.3.2.43 SetTruePosY()

```
void CmvCluster::SetTruePosY (
            double fd ) [inline]
```

6.3.2.44 SetTruePosZ()

```
void CmvCluster::SetTruePosZ (
            double fd ) [inline]
```

6.3.2.45 SetUsed()

```
void CmvCluster::SetUsed (
            bool fd ) [inline]
```

The documentation for this class was generated from the following files:

- inc/CmvCluster.h
- src/CmvCluster.cc

6.4 CmvCluster_Manager Class Reference

```
#include <vect_manager.h>
```

Collaboration diagram for CmvCluster_Manager:

Public Member Functions

- CmvCluster_Manager ()
- ~CmvCluster_Manager ()

Public Attributes

- vector< CmvCluster ∗ > CmvCluster_list

Static Public Attributes

- static CmvCluster_Manager ∗ APointer

6.4.1 Constructor & Destructor Documentation

6.4.1.1 CmvCluster_Manager()

```
CmvCluster_Manager::CmvCluster_Manager ( )
```

6.4.1.2 ∼CmvCluster_Manager()

```
CmvCluster_Manager::∼CmvCluster_Manager ( )
```

6.4.2 Member Data Documentation

6.4.2.1 APointer

```
CmvCluster_Manager * CmvCluster_Manager::APointer  [static]
```

6.4.2.2 CmvCluster_list

```
vector<CmvCluster*> CmvCluster_Manager::CmvCluster_list
```

The documentation for this class was generated from the following files:

- inc/vect_manager.h
- src/vect_manager.cc

6.5 CMVDigiAlg Class Reference

```
#include <CMVDigiAlg.hh>
```

Collaboration diagram for CMVDigiAlg:

Public Member Functions

- CMVDigiAlg ()
- ∼CMVDigiAlg ()
- void ReadEvent (int ixt)
- void DigitiseSimData ()
- void NoiseGenLoop ()
- void SaveDigiData ()
- void SetPhotonSpeed (G4double val)
- void SetCMVadctons (G4double val)

Public Attributes

- micalDetectorParameterDef ∗ paradef
- MultiSimAnalysisDigi ∗ pAnalysis
- InoCal1Hit_Manager ∗ inocal1hit_pointer
- CmvStrip_Manager ∗ CmvStrip_pointer
- SipmHit_Manager ∗ SipmHit_pointer
- double partopscint [3]
- float AirGapScintTop
- G4double Phys_TopScint_GPos [4][3]
- G4double Phys_SideScint_R_GPos [3][3]
- G4double Phys_SideScint_L_GPos [3][3]
- G4double Phys_SideScint_D_GPos [3][3]
- double PhyVolGlPos [8][4][3]
- int NoScntStrpTop
- int NoScntStrpSide
- int Sipm_Pedestal
- int Cmv_Threshold
- double PhotonSpeed
- double CMVadctons
- unsigned int CellDetID [20000]

6.5.1 Constructor & Destructor Documentation

6.5.1.1 CMVDigiAlg()

```
CMVDigiAlg::CMVDigiAlg ( )
```

6.5.1.2 ∼CMVDigiAlg()

```
CMVDigiAlg::∼CMVDigiAlg ( )
```

6.5.2 Member Function Documentation

6.5.2.1 DigitiseSimData()

```
void CMVDigiAlg::DigitiseSimData ( )
```

6.5.2.2 NoiseGenLoop()

```
void CMVDigiAlg::NoiseGenLoop ( )
```

6.5.2.3 ReadEvent()

```
void CMVDigiAlg::ReadEvent (
            int ixt )
```

6.5.2.4 SaveDigiData()

```
void CMVDigiAlg::SaveDigiData ( )
```

6.5.2.5 SetCMVadctons()

```
void CMVDigiAlg::SetCMVadctons (
            G4double val ) [inline]
```

6.5.2.6 SetPhotonSpeed()

```
void CMVDigiAlg::SetPhotonSpeed (
            G4double val ) [inline]
```

6.5.3 Member Data Documentation

6.5.3.1 AirGapScintTop

```
float CMVDigiAlg::AirGapScintTop
```

6.5.3.2 CellDetID

```
unsigned int CMVDigiAlg::CellDetID[20000]
```

6.5.3.3 Cmv_Threshold

int CMVDigiAlg::Cmv_Threshold

6.5.3.4 CMVadctons

double CMVDigiAlg::CMVadctons

6.5.3.5 CmvStrip_pointer

CmvStrip_Manager* CMVDigiAlg::CmvStrip_pointer

6.5.3.6 inocal1hit_pointer

InoCal1Hit_Manager* CMVDigiAlg::inocal1hit_pointer

6.5.3.7 NoScntStrpSide

int CMVDigiAlg::NoScntStrpSide

6.5.3.8 NoScntStrpTop

int CMVDigiAlg::NoScntStrpTop

6.5.3.9 pAnalysis

MultiSimAnalysisDigi* CMVDigiAlg::pAnalysis

6.5.3.10 paradef

micalDetectorParameterDef* CMVDigiAlg::paradef

6.5.3.11 partopscint

```
double CMVDigiAlg::partopscint[3]
```

6.5.3.12 PhotonSpeed

```
double CMVDigiAlg::PhotonSpeed
```

6.5.3.13 Phys_SideScint_D_GPos

```
G4double CMVDigiAlg::Phys_SideScint_D_GPos[3][3]
```

6.5.3.14 Phys_SideScint_L_GPos

```
G4double CMVDigiAlg::Phys_SideScint_L_GPos[3][3]
```

6.5.3.15 Phys_SideScint_R_GPos

```
G4double CMVDigiAlg::Phys_SideScint_R_GPos[3][3]
```

6.5.3.16 Phys_TopScint_GPos

```
G4double CMVDigiAlg::Phys_TopScint_GPos[4][3]
```

6.5.3.17 PhyVolGlPos

```
double CMVDigiAlg::PhyVolGlPos[8][4][3]
```

6.5.3.18 Sipm_Pedestal

```
int CMVDigiAlg::Sipm_Pedestal
```

6.5.3.19 SipmHit_pointer

SipmHit_Manager* CMVDigiAlg::SipmHit_pointer

The documentation for this class was generated from the following files:

- inc/CMVDigiAlg.hh
- src/CMVDigiAlg.cc

6.6 CMVDRecoAlg Class Reference

This class is used for CMVD Reco Algorithm.

```
#include <CMVDRecoAlg.hh>
```

Public Member Functions

- CMVDRecoAlg (int isInOut)
- ∼CMVDRecoAlg ()
- void ReadCMVDdata (int ixt)
- void CMVD_Extrapolation ()
- void CreateCmvHit ()
- void FormCmvCluster ()

6.6.1 Detailed Description

This class is used for CMVD Reco Algorithm.

Author

Raj Bhupen Shah

6.6.2 Constructor & Destructor Documentation

6.6.2.1 CMVDRecoAlg()

```
CMVDRecoAlg::CMVDRecoAlg (
            int isInOut )
```

6.6.2.2 ∼CMVDRecoAlg()

```
CMVDRecoAlg::∼CMVDRecoAlg ( )
```

6.6.3 Member Function Documentation

6.6.3.1 CMVD_Extrapolation()

```
void CMVDRecoAlg::CMVD_Extrapolation ( )
```

6.6.3.2 CreateCmvHit()

```
void CMVDRecoAlg::CreateCmvHit ( )
```

6.6.3.3 FormCmvCluster()

```
void CMVDRecoAlg::FormCmvCluster ( )
```

6.6.3.4 ReadCMVDdata()

```
void CMVDRecoAlg::ReadCMVDdata (
            int ixt )
```

The documentation for this class was generated from the following files:

- inc/CMVDRecoAlg.hh
- src/CMVDRecoAlg.cc

6.7 CmvHit Class Reference

```
#include <CmvHit.h>
```

Public Member Functions

- CmvHit ()
- CmvHit (SipmHit *L0, SipmHit *L1, SipmHit *R0, SipmHit *R1, double *xx)
- CmvHit (CmvHit *hit)
- ∼CmvHit ()
- SipmHit * GetL0SiPM () const
- SipmHit * GetL1SiPM () const
- SipmHit * GetR0SiPM () const
- SipmHit * GetR1SiPM () const
- int GetStripId () const
- int GetPlane () const
- int GetLayer () const
- int GetStrip () const
- void Print ()
- bool GetUsed () const
- double GetPulse () const
- void SetTruePosX (double fd)
- void SetTruePosY (double fd)
- void SetTruePosZ (double fd)
- void SetRecoPosX (double fd)
- void SetRecoPosY (double fd)
- void SetRecoPosZ (double fd)
- void SetPosXErr (double fd)
- void SetPosYErr (double fd)
- void SetPosZErr (double fd)
- void SetLeTime (double fd)
- void SetRiTime (double fd)
- void SetLePulse (double fd)
- void SetRiPulse (double fd)
- void SetGenMom (double fd)
- void SetGenThe (double fd)
- void SetGenPhi (double fd)
- double GetTruePosX ()
- double GetTruePosY ()
- double GetTruePosZ ()
- double GetRecoPosX ()
- double GetRecoPosY ()
- double GetRecoPosZ ()
- double GetPosXErr ()
- double GetPosYErr ()
- double GetPosZErr ()
- double GetLeTime ()
- double GetRiTime ()
- double GetLePulse ()
- double GetRiPulse ()
- double GetGenMom ()
- double GetGenThe ()
- double GetGenPhi ()
- bool isIdentical (CmvHit *hit)
- void SetUsed (bool fd)

6.7.1 Constructor & Destructor Documentation

6.7.1.1 CmvHit() [1/3]

```
CmvHit::CmvHit ( )
```

6.7.1.2 CmvHit() [2/3]

```
CmvHit::CmvHit (
            SipmHit * L0,
            SipmHit * L1,
            SipmHit * R0,
            SipmHit * R1,
            double * xx )
```

6.7.1.3 CmvHit() [3/3]

```
CmvHit::CmvHit (
            CmvHit * hit )
```

6.7.1.4 ∼CmvHit()

```
CmvHit::∼CmvHit ( )
```

6.7.2 Member Function Documentation

6.7.2.1 GetGenMom()

```
double CmvHit::GetGenMom ( ) [inline]
```

6.7.2.2 GetGenPhi()

```
double CmvHit::GetGenPhi ( ) [inline]
```

6.7.2.3 GetGenThe()

```
double CmvHit::GetGenThe ( )  [inline]
```

6.7.2.4 GetL0SiPM()

```
SipmHit* CmvHit::GetL0SiPM ( ) const  [inline]
```

6.7.2.5 GetL1SiPM()

```
SipmHit* CmvHit::GetL1SiPM ( ) const  [inline]
```

6.7.2.6 GetLayer()

```
int CmvHit::GetLayer ( ) const  [inline]
```

6.7.2.7 GetLePulse()

```
double CmvHit::GetLePulse ( )  [inline]
```

6.7.2.8 GetLeTime()

```
double CmvHit::GetLeTime ( )  [inline]
```

6.7.2.9 GetPlane()

```
int CmvHit::GetPlane ( ) const  [inline]
```

6.7.2.10 GetPosXErr()

```
double CmvHit::GetPosXErr ( )  [inline]
```

6.7.2.11 GetPosYErr()

```
double CmvHit::GetPosYErr ( ) [inline]
```

6.7.2.12 GetPosZErr()

```
double CmvHit::GetPosZErr ( ) [inline]
```

6.7.2.13 GetPulse()

```
double CmvHit::GetPulse ( ) const [inline]
```

6.7.2.14 GetR0SiPM()

```
SipmHit* CmvHit::GetR0SiPM ( ) const [inline]
```

6.7.2.15 GetR1SiPM()

```
SipmHit* CmvHit::GetR1SiPM ( ) const [inline]
```

6.7.2.16 GetRecoPosX()

```
double CmvHit::GetRecoPosX ( ) [inline]
```

6.7.2.17 GetRecoPosY()

```
double CmvHit::GetRecoPosY ( ) [inline]
```

6.7.2.18 GetRecoPosZ()

```
double CmvHit::GetRecoPosZ ( ) [inline]
```

6.7.2.19 GetRiPulse()

```
double CmvHit::GetRiPulse ( )  [inline]
```

6.7.2.20 GetRiTime()

```
double CmvHit::GetRiTime ( )  [inline]
```

6.7.2.21 GetStrip()

```
int CmvHit::GetStrip ( ) const  [inline]
```

6.7.2.22 GetStripId()

```
int CmvHit::GetStripId ( ) const  [inline]
```

6.7.2.23 GetTruePosX()

```
double CmvHit::GetTruePosX ( )  [inline]
```

6.7.2.24 GetTruePosY()

```
double CmvHit::GetTruePosY ( )  [inline]
```

6.7.2.25 GetTruePosZ()

```
double CmvHit::GetTruePosZ ( )  [inline]
```

6.7.2.26 GetUsed()

```
bool CmvHit::GetUsed ( ) const  [inline]
```

6.7.2.27 isIdentical()

```
bool CmvHit::isIdentical (
            CmvHit * hit )
```

6.7.2.28 Print()

```
void CmvHit::Print ( )
```

6.7.2.29 SetGenMom()

```
void CmvHit::SetGenMom (
            double fd ) [inline]
```

6.7.2.30 SetGenPhi()

```
void CmvHit::SetGenPhi (
            double fd ) [inline]
```

6.7.2.31 SetGenThe()

```
void CmvHit::SetGenThe (
            double fd ) [inline]
```

6.7.2.32 SetLePulse()

```
void CmvHit::SetLePulse (
            double fd ) [inline]
```

6.7.2.33 SetLeTime()

```
void CmvHit::SetLeTime (
            double fd ) [inline]
```

6.7.2.34 SetPosXErr()

```
void CmvHit::SetPosXErr (
            double fd ) [inline]
```

6.7.2.35 SetPosYErr()

```
void CmvHit::SetPosYErr (
            double fd ) [inline]
```

6.7.2.36 SetPosZErr()

```
void CmvHit::SetPosZErr (
            double fd ) [inline]
```

6.7.2.37 SetRecoPosX()

```
void CmvHit::SetRecoPosX (
            double fd ) [inline]
```

6.7.2.38 SetRecoPosY()

```
void CmvHit::SetRecoPosY (
            double fd ) [inline]
```

6.7.2.39 SetRecoPosZ()

```
void CmvHit::SetRecoPosZ (
            double fd ) [inline]
```

6.7.2.40 SetRiPulse()

```
void CmvHit::SetRiPulse (
            double fd ) [inline]
```

6.7.2.41 SetRiTime()

```
void CmvHit::SetRiTime (
            double fd ) [inline]
```

6.7.2.42 SetTruePosX()

```
void CmvHit::SetTruePosX (
            double fd ) [inline]
```

6.7.2.43 SetTruePosY()

```
void CmvHit::SetTruePosY (
            double fd ) [inline]
```

6.7.2.44 SetTruePosZ()

```
void CmvHit::SetTruePosZ (
            double fd ) [inline]
```

6.7.2.45 SetUsed()

```
void CmvHit::SetUsed (
            bool fd ) [inline]
```

The documentation for this class was generated from the following files:

- inc/CmvHit.h
- src/CmvHit.cc

6.8 CmvHit_Manager Class Reference

```
#include <vect_manager.h>
```

Collaboration diagram for CmvHit_Manager:

Public Member Functions

- CmvHit_Manager ()
- ∼CmvHit_Manager ()

Public Attributes

- vector< CmvHit ∗ > CmvHit_list

Static Public Attributes

- static CmvHit_Manager ∗ APointer

6.8.1 Constructor & Destructor Documentation

6.8.1.1 CmvHit_Manager()

```
CmvHit_Manager::CmvHit_Manager ( )
```

6.8.1.2 ∼CmvHit_Manager()

```
CmvHit_Manager::∼CmvHit_Manager ( )
```

6.8.2 Member Data Documentation

6.8.2.1 APointer

```
CmvHit_Manager * CmvHit_Manager::APointer  [static]
```

6.8.2.2 CmvHit_list

```
vector<CmvHit*> CmvHit_Manager::CmvHit_list
```

The documentation for this class was generated from the following files:

- inc/vect_manager.h
- src/vect_manager.cc

6.9 CmvLayExtra Class Reference

```
#include <CmvLayExtra.h>
```

Public Member Functions

- CmvLayExtra ()
- CmvLayExtra (CmvLayExtra ∗cd)
- ∼CmvLayExtra ()
- CmvLayExtra ∗ DupHandle () const
- void Print ()
- void Trace (const char ∗c="") const
- int GetId () const
- int GetPlane () const
- int GetLayer () const
- bool GetUsed () const
- double GetExtXPos () const
- double GetExtYPos () const
- double GetExtZPos () const
- double GetClosDist () const
- void SetId (int id)
- void SetUsed (bool fd)
- void SetExtXPos (double fd)
- void SetExtYPos (double fd)
- void SetExtZPos (double fd)
- void SetClosDist (double fd)

Public Attributes

- int flay
- double fExtXPos
- double fExtYPos
- double fExtZPos
- double fClosDist
- bool isUsed

6.9.1 Constructor & Destructor Documentation

6.9.1.1 CmvLayExtra() [1/2]

```
CmvLayExtra::CmvLayExtra ( )
```

6.9.1.2 CmvLayExtra() [2/2]

```
CmvLayExtra::CmvLayExtra (
            CmvLayExtra * cd )
```

6.9.1.3 ∼CmvLayExtra()

```
CmvLayExtra::∼CmvLayExtra ( )
```

6.9.2 Member Function Documentation

6.9.2.1 DupHandle()

```
CmvLayExtra * CmvLayExtra::DupHandle ( ) const
```

6.9.2.2 GetClosDist()

```
double CmvLayExtra::GetClosDist ( ) const  [inline]
```

6.9.2.3 GetExtXPos()

```
double CmvLayExtra::GetExtXPos ( ) const  [inline]
```

6.9.2.4 GetExtYPos()

```
double CmvLayExtra::GetExtYPos ( ) const  [inline]
```

6.9.2.5 GetExtZPos()

```
double CmvLayExtra::GetExtZPos ( ) const  [inline]
```

6.9.2.6 GetId()

```
int CmvLayExtra::GetId ( ) const  [inline]
```

6.9.2.7 GetLayer()

```
int CmvLayExtra::GetLayer ( ) const  [inline]
```

6.9.2.8 GetPlane()

```
int CmvLayExtra::GetPlane ( ) const  [inline]
```

6.9.2.9 GetUsed()

```
bool CmvLayExtra::GetUsed ( ) const  [inline]
```

6.9.2.10 Print()

```
void CmvLayExtra::Print ( )
```

6.9.2.11 SetClosDist()

```
void CmvLayExtra::SetClosDist (
            double fd ) [inline]
```

6.9.2.12 SetExtXPos()

```
void CmvLayExtra::SetExtXPos (
            double fd ) [inline]
```

6.9.2.13 SetExtYPos()

```
void CmvLayExtra::SetExtYPos (
            double fd ) [inline]
```

6.9.2.14 SetExtZPos()

```
void CmvLayExtra::SetExtZPos (
            double fd ) [inline]
```

6.9.2.15 SetId()

```
void CmvLayExtra::SetId (
            int id ) [inline]
```

6.9.2.16 SetUsed()

```
void CmvLayExtra::SetUsed (
            bool fd ) [inline]
```

6.9.2.17 Trace()

```
void CmvLayExtra::Trace (
            const char * c = "" ) const
```

6.9.3 Member Data Documentation

6.9.3.1 fClosDist

```
double CmvLayExtra::fClosDist
```

6.9.3.2 fExtXPos

```
double CmvLayExtra::fExtXPos
```

6.9.3.3 fExtYPos

```
double CmvLayExtra::fExtYPos
```

6.9.3.4 fExtZPos

```
double CmvLayExtra::fExtZPos
```

6.9.3.5 flay

```
int CmvLayExtra::flay
```

6.9.3.6 isUsed

```
bool CmvLayExtra::isUsed
```

The documentation for this class was generated from the following files:

- inc/CmvLayExtra.h
- src/CmvLayExtra.cc

6.10 CmvLayExtra_Manager Class Reference

```
#include <vect_manager.h>
```

Collaboration diagram for CmvLayExtra_Manager:

Public Member Functions

- CmvLayExtra_Manager ()
- ∼CmvLayExtra_Manager ()

Public Attributes

- vector< CmvLayExtra ∗ > CmvLayExtra_list

Static Public Attributes

- static CmvLayExtra_Manager ∗ APointer

6.10.1 Constructor & Destructor Documentation

6.10.1.1 CmvLayExtra_Manager()

```
CmvLayExtra_Manager::CmvLayExtra_Manager ( )
```

6.10.1.2 ∼CmvLayExtra_Manager()

```
CmvLayExtra_Manager::∼CmvLayExtra_Manager ( )
```

6.10.2 Member Data Documentation

6.10.2.1 APointer

```
CmvLayExtra_Manager ∗ CmvLayExtra_Manager::APointer  [static]
```

6.10.2.2 CmvLayExtra_list

```
vector<CmvLayExtra*> CmvLayExtra_Manager::CmvLayExtra_list
```

The documentation for this class was generated from the following files:

- inc/vect_manager.h
- src/vect_manager.cc

6.11 CmvStrip Class Reference

```
#include <CmvStrip.h>
```

Public Member Functions

- CmvStrip ()
- CmvStrip (CmvStrip ∗cd)
- ∼CmvStrip ()
- CmvStrip ∗ DupHandle () const
- void Print ()
- void Trace (const char ∗c="") const
- int GetpdgId () const
- int GetId () const
- int GetPlane () const
- int GetLayer () const
- int GetStrip () const
- double GetXPos () const
- double GetYPos () const
- double GetZPos () const
- double GetXLocPos () const
- double GetYLocPos () const
- double GetZLocPos () const
- double GetTime () const
- double GetPulse () const
- double GetSimMom () const
- double GetSimThe () const
- double GetSimPhi () const
- void SetpdgId (int ipdg)
- void SetId (int id)
- void SetXPos (double fd)
- void SetYPos (double fd)
- void SetZPos (double fd)
- void SetXLocPos (double fd)
- void SetYLocPos (double fd)
- void SetZLocPos (double fd)
- void SetTime (double fd)
- void SetPulse (double fd)
- void SetSimMom (double fd)
- void SetSimThe (double fd)
- void SetSimPhi (double fd)

Public Attributes

- int fStrip
- int fpdgStrip
- double fXPos
- double fYPos
- double fZPos
- double fXLocPos
- double fYLocPos
- double fZLocPos
- double fTime
- double fPulse
- double fSimMom
- double fSimThe
- double fSimPhi

6.11.1 Constructor & Destructor Documentation

6.11.1.1 CmvStrip() [1/2]

```
CmvStrip::CmvStrip ( )
```

6.11.1.2 CmvStrip() [2/2]

```
CmvStrip::CmvStrip (
            CmvStrip * cd )
```

6.11.1.3 ∼CmvStrip()

```
CmvStrip::∼CmvStrip ( )
```

6.11.2 Member Function Documentation

6.11.2.1 DupHandle()

```
CmvStrip * CmvStrip::DupHandle ( ) const
```

6.11.2.2 GetId()

```
int CmvStrip::GetId ( ) const  [inline]
```

6.11.2.3 GetLayer()

```
int CmvStrip::GetLayer ( ) const  [inline]
```

6.11.2.4 GetpdgId()

```
int CmvStrip::GetpdgId ( ) const [inline]
```

6.11.2.5 GetPlane()

```
int CmvStrip::GetPlane ( ) const [inline]
```

6.11.2.6 GetPulse()

```
double CmvStrip::GetPulse ( ) const [inline]
```

6.11.2.7 GetSimMom()

```
double CmvStrip::GetSimMom ( ) const [inline]
```

6.11.2.8 GetSimPhi()

```
double CmvStrip::GetSimPhi ( ) const [inline]
```

6.11.2.9 GetSimThe()

```
double CmvStrip::GetSimThe ( ) const [inline]
```

6.11.2.10 GetStrip()

```
int CmvStrip::GetStrip ( ) const [inline]
```

6.11.2.11 GetTime()

```
double CmvStrip::GetTime ( ) const [inline]
```

6.11.2.12 GetXLocPos()

```
double CmvStrip::GetXLocPos ( ) const  [inline]
```

6.11.2.13 GetXPos()

```
double CmvStrip::GetXPos ( ) const  [inline]
```

6.11.2.14 GetYLocPos()

```
double CmvStrip::GetYLocPos ( ) const  [inline]
```

6.11.2.15 GetYPos()

```
double CmvStrip::GetYPos ( ) const  [inline]
```

6.11.2.16 GetZLocPos()

```
double CmvStrip::GetZLocPos ( ) const  [inline]
```

6.11.2.17 GetZPos()

```
double CmvStrip::GetZPos ( ) const  [inline]
```

6.11.2.18 Print()

```
void CmvStrip::Print ( )
```

6.11.2.19 SetId()

```
void CmvStrip::SetId (
            int id ) [inline]
```

6.11.2.20 SetpdgId()

```
void CmvStrip::SetpdgId (
            int ipdg ) [inline]
```

6.11.2.21 SetPulse()

```
void CmvStrip::SetPulse (
            double fd ) [inline]
```

6.11.2.22 SetSimMom()

```
void CmvStrip::SetSimMom (
            double fd ) [inline]
```

6.11.2.23 SetSimPhi()

```
void CmvStrip::SetSimPhi (
            double fd ) [inline]
```

6.11.2.24 SetSimThe()

```
void CmvStrip::SetSimThe (
            double fd ) [inline]
```

6.11.2.25 SetTime()

```
void CmvStrip::SetTime (
            double fd ) [inline]
```

6.11.2.26 SetXLocPos()

```
void CmvStrip::SetXLocPos (
            double fd ) [inline]
```

6.11.2.27 SetXPos()

```
void CmvStrip::SetXPos (
            double fd ) [inline]
```

6.11.2.28 SetYLocPos()

```
void CmvStrip::SetYLocPos (
            double fd ) [inline]
```

6.11.2.29 SetYPos()

```
void CmvStrip::SetYPos (
            double fd ) [inline]
```

6.11.2.30 SetZLocPos()

```
void CmvStrip::SetZLocPos (
            double fd ) [inline]
```

6.11.2.31 SetZPos()

```
void CmvStrip::SetZPos (
            double fd ) [inline]
```

6.11.2.32 Trace()

```
void CmvStrip::Trace (
            const char * c = "" ) const
```

6.11.3 Member Data Documentation

6.11.3.1 fpdgStrip

int CmvStrip::fpdgStrip

6.11.3.2 fPulse

double CmvStrip::fPulse

6.11.3.3 fSimMom

double CmvStrip::fSimMom

6.11.3.4 fSimPhi

double CmvStrip::fSimPhi

6.11.3.5 fSimThe

double CmvStrip::fSimThe

6.11.3.6 fStrip

int CmvStrip::fStrip

6.11.3.7 fTime

double CmvStrip::fTime

6.11.3.8 fXLocPos

double CmvStrip::fXLocPos

6.11.3.9 fXPos

```
double CmvStrip::fXPos
```

6.11.3.10 fYLocPos

```
double CmvStrip::fYLocPos
```

6.11.3.11 fYPos

```
double CmvStrip::fYPos
```

6.11.3.12 fZLocPos

```
double CmvStrip::fZLocPos
```

6.11.3.13 fZPos

```
double CmvStrip::fZPos
```

The documentation for this class was generated from the following files:

- inc/CmvStrip.h
- src/CmvStrip.cc

6.12 CmvStrip_Manager Class Reference

```
#include <vect_manager.h>
```

Collaboration diagram for CmvStrip_Manager:

Public Member Functions

- CmvStrip_Manager ()
- ~CmvStrip_Manager ()

Public Attributes

- vector< CmvStrip ∗ > CmvStrip_list

Static Public Attributes

- static CmvStrip_Manager ∗ APointer

6.12.1 Constructor & Destructor Documentation

6.12.1.1 CmvStrip_Manager()

```
CmvStrip_Manager::CmvStrip_Manager ( )
```

6.12.1.2 ∼CmvStrip_Manager()

```
CmvStrip_Manager::∼CmvStrip_Manager ( )
```

6.12.2 Member Data Documentation

6.12.2.1 APointer

```
CmvStrip_Manager * CmvStrip_Manager::APointer  [static]
```

6.12.2.2 CmvStrip_list

```
vector<CmvStrip*> CmvStrip_Manager::CmvStrip_list
```

The documentation for this class was generated from the following files:

- inc/vect_manager.h
- src/vect_manager.cc

6.13 DetectorParameterDef Class Reference

`#include <DetectorParameterDef.hh>`

Collaboration diagram for DetectorParameterDef:

Public Member Functions

- DetectorParameterDef ()
- ∼DetectorParameterDef ()
- void PrintDetectorParameters ()
- int GetDetectorType ()
- double GetParworld (int i)
- double GetParino (int i)
- double GetParirlay (int i)
- double GetParlay (int i)
- double GetPargas (int i)
- double GetParmod (int i)
- double GetParchm (int i)
- double GetParhcoil (int i)
- double GetParcoilsupport (int i)
- double GetGapino ()
- double GetRPCShift (int i)
- double GetStackShift (int i)
- double GetXStrwd ()
- double GetYStrwd ()
- int GetNumino ()
- int GetnLayer ()
- int GetnIRLayer ()
- int GetnModule ()
- int GetnChamber ()
- int GetnXStrip ()
- int GetnYStrip ()
- double GetRPCLayerPosZ (int j)
- double GetIRONLayerPosZ (int j)
- double GetLayerThickness (int j)
- double GetShiftInZ (int i)
- double GetLayerZdim (int j)
- double GetIronLayerZdim (int j)
- double Getpartopscint (int j)
- double GetParwallscint (int j)
- double GetScintFromBottom ()
- double GetScintUnitX ()
- double GetScintUnitY ()
- double GetScintUnitZ ()
- double GetAirGapScintTop ()
- double GetGapBtwCMVLay ()
- double GetAirGapScintWall ()
- double GetTopPlaneHalfLength ()
- double GetSidePlaneHalfLength ()
- double GetSideSmallPlaneHalfLength ()
- double GetScntLayShifTop ()
- double GetScntLayShifSide ()

- double GetfiberDia ()
- double GetfiberXpos ()
- int GetNoScntStrpTop ()
- int GetNoScntStrpSide ()
- int GetNoScntStrpSideSmallay ()
- int GetSipm_Pedestal ()
- int GetCmv_Threshold ()

Public Attributes

- Ical0DetectorParameterDef ∗ icalparadef
- micalDetectorParameterDef ∗ miniparadef

Static Public Attributes

- static DetectorParameterDef ∗ AnPointer

6.13.1 Constructor & Destructor Documentation

6.13.1.1 DetectorParameterDef()

```
DetectorParameterDef::DetectorParameterDef ( )
```

6.13.1.2 ∼DetectorParameterDef()

```
DetectorParameterDef::∼DetectorParameterDef ( )
```

6.13.2 Member Function Documentation

6.13.2.1 GetAirGapScintTop()

```
double DetectorParameterDef::GetAirGapScintTop ( )  [inline]
```

6.13.2.2 GetAirGapScintWall()

```
double DetectorParameterDef::GetAirGapScintWall ( )  [inline]
```

6.13.2.3 GetCmv_Threshold()

```
int DetectorParameterDef::GetCmv_Threshold ( ) [inline]
```

6.13.2.4 GetDetectorType()

```
int DetectorParameterDef::GetDetectorType ( ) [inline]
```

6.13.2.5 GetfiberDia()

```
double DetectorParameterDef::GetfiberDia ( ) [inline]
```

6.13.2.6 GetfiberXpos()

```
double DetectorParameterDef::GetfiberXpos ( ) [inline]
```

6.13.2.7 GetGapBtwCMVLay()

```
double DetectorParameterDef::GetGapBtwCMVLay ( ) [inline]
```

6.13.2.8 GetGapino()

```
double DetectorParameterDef::GetGapino ( ) [inline]
```

6.13.2.9 GetIRONLayerPosZ()

```
double DetectorParameterDef::GetIRONLayerPosZ (
            int j ) [inline]
```

6.13.2.10 GetIronLayerZdim()

```
double DetectorParameterDef::GetIronLayerZdim (
            int j ) [inline]
```

6.13.2.11 GetLayerThickness()

```
double DetectorParameterDef::GetLayerThickness (
            int j ) [inline]
```

6.13.2.12 GetLayerZdim()

```
double DetectorParameterDef::GetLayerZdim (
            int j ) [inline]
```

6.13.2.13 GetnChamber()

```
int DetectorParameterDef::GetnChamber ( ) [inline]
```

6.13.2.14 GetnIRLayer()

```
int DetectorParameterDef::GetnIRLayer ( ) [inline]
```

6.13.2.15 GetnLayer()

```
int DetectorParameterDef::GetnLayer ( ) [inline]
```

6.13.2.16 GetnModule()

```
int DetectorParameterDef::GetnModule ( ) [inline]
```

6.13.2.17 GetNoScntStrpSide()

```
int DetectorParameterDef::GetNoScntStrpSide ( )  [inline]
```

6.13.2.18 GetNoScntStrpSideSmallay()

```
int DetectorParameterDef::GetNoScntStrpSideSmallay ( )  [inline]
```

6.13.2.19 GetNoScntStrpTop()

```
int DetectorParameterDef::GetNoScntStrpTop ( )  [inline]
```

6.13.2.20 GetNumino()

```
int DetectorParameterDef::GetNumino ( )  [inline]
```

6.13.2.21 GetnXStrip()

```
int DetectorParameterDef::GetnXStrip ( )  [inline]
```

6.13.2.22 GetnYStrip()

```
int DetectorParameterDef::GetnYStrip ( )  [inline]
```

6.13.2.23 GetParchm()

```
double DetectorParameterDef::GetParchm (
            int i )  [inline]
```

6.13.2.24 GetParcoilsupport()

```
double DetectorParameterDef::GetParcoilsupport (
            int i ) [inline]
```

6.13.2.25 GetPargas()

```
double DetectorParameterDef::GetPargas (
            int i ) [inline]
```

6.13.2.26 GetParhcoil()

```
double DetectorParameterDef::GetParhcoil (
            int i ) [inline]
```

6.13.2.27 GetParino()

```
double DetectorParameterDef::GetParino (
            int i ) [inline]
```

6.13.2.28 GetParirlay()

```
double DetectorParameterDef::GetParirlay (
            int i ) [inline]
```

6.13.2.29 GetParlay()

```
double DetectorParameterDef::GetParlay (
            int i ) [inline]
```

6.13.2.30 GetParmod()

```
double DetectorParameterDef::GetParmod (
            int i ) [inline]
```

6.13.2.31 Getpartopscint()

```
double DetectorParameterDef::Getpartopscint (
            int j ) [inline]
```

6.13.2.32 GetParwallscint()

```
double DetectorParameterDef::GetParwallscint (
            int j ) [inline]
```

6.13.2.33 GetParworld()

```
double DetectorParameterDef::GetParworld (
            int i ) [inline]
```

6.13.2.34 GetRPCLayerPosZ()

```
double DetectorParameterDef::GetRPCLayerPosZ (
            int j ) [inline]
```

6.13.2.35 GetRPCShift()

```
double DetectorParameterDef::GetRPCShift (
            int i ) [inline]
```

6.13.2.36 GetScintFromBottom()

```
double DetectorParameterDef::GetScintFromBottom ( ) [inline]
```

6.13.2.37 GetScintUnitX()

```
double DetectorParameterDef::GetScintUnitX ( ) [inline]
```

6.13.2.38 GetScintUnitY()

```
double DetectorParameterDef::GetScintUnitY ( )    [inline]
```

6.13.2.39 GetScintUnitZ()

```
double DetectorParameterDef::GetScintUnitZ ( )    [inline]
```

6.13.2.40 GetScntLayShifSide()

```
double DetectorParameterDef::GetScntLayShifSide ( )    [inline]
```

6.13.2.41 GetScntLayShifTop()

```
double DetectorParameterDef::GetScntLayShifTop ( )    [inline]
```

6.13.2.42 GetShiftInZ()

```
double DetectorParameterDef::GetShiftInZ (
            int i )    [inline]
```

6.13.2.43 GetSidePlaneHalfLength()

```
double DetectorParameterDef::GetSidePlaneHalfLength ( )    [inline]
```

6.13.2.44 GetSideSmallPlaneHalfLength()

```
double DetectorParameterDef::GetSideSmallPlaneHalfLength ( )    [inline]
```

6.13.2.45 GetSipm_Pedestal()

```
int DetectorParameterDef::GetSipm_Pedestal ( )   [inline]
```

6.13.2.46 GetStackShift()

```
double DetectorParameterDef::GetStackShift (
            int i )   [inline]
```

6.13.2.47 GetTopPlaneHalfLength()

```
double DetectorParameterDef::GetTopPlaneHalfLength ( )   [inline]
```

6.13.2.48 GetXStrwd()

```
double DetectorParameterDef::GetXStrwd ( )   [inline]
```

6.13.2.49 GetYStrwd()

```
double DetectorParameterDef::GetYStrwd ( )   [inline]
```

6.13.2.50 PrintDetectorParameters()

```
void DetectorParameterDef::PrintDetectorParameters ( )
```

6.13.3 Member Data Documentation

6.13.3.1 AnPointer

```
DetectorParameterDef* DetectorParameterDef::AnPointer   [static]
```

6.13.3.2 icalparadef

[Ical0DetectorParameterDef](#)* DetectorParameterDef::icalparadef

6.13.3.3 miniparadef

[micalDetectorParameterDef](#)* DetectorParameterDef::miniparadef

The documentation for this class was generated from the following file:

- inc/[DetectorParameterDef.hh](#)

6.14 InoNewTrackFitAlg::FiltDataStruct Struct Reference

```
#include <InoNewTrackFitAlg.h>
```

Public Attributes

- double [x_k0](#)
- double [x_k1](#)
- double [x_k2](#)
- double [x_k3](#)
- double [x_k4](#)
- int [x_k5](#)
- bool [x_k6](#)

6.14.1 Member Data Documentation

6.14.1.1 x_k0

```
double InoNewTrackFitAlg::FiltDataStruct::x_k0
```

6.14.1.2 x_k1

```
double InoNewTrackFitAlg::FiltDataStruct::x_k1
```

6.14.1.3 x_k2

```
double InoNewTrackFitAlg::FiltDataStruct::x_k2
```

6.14.1.4 x_k3

```
double InoNewTrackFitAlg::FiltDataStruct::x_k3
```

6.14.1.5 x_k4

```
double InoNewTrackFitAlg::FiltDataStruct::x_k4
```

6.14.1.6 x_k5

```
int InoNewTrackFitAlg::FiltDataStruct::x_k5
```

6.14.1.7 x_k6

```
bool InoNewTrackFitAlg::FiltDataStruct::x_k6
```

The documentation for this struct was generated from the following file:

- inc/InoNewTrackFitAlg.h

6.15 InoOldTrackFitAlg::FiltDataStruct Struct Reference

```
#include <InoOldTrackFitAlg.h>
```

Public Attributes

- double x_k0
- double x_k1
- double x_k2
- double x_k3
- double x_k4
- int x_k5
- double C_k [5][5]
- bool x_k6

6.15.1 Member Data Documentation

6.15.1.1 C_k

```
double InoOldTrackFitAlg::FiltDataStruct::C_k
```

6.15.1.2 x_k0

```
double InoOldTrackFitAlg::FiltDataStruct::x_k0
```

6.15.1.3 x_k1

```
double InoOldTrackFitAlg::FiltDataStruct::x_k1
```

6.15.1.4 x_k2

```
double InoOldTrackFitAlg::FiltDataStruct::x_k2
```

6.15.1.5 x_k3

```
double InoOldTrackFitAlg::FiltDataStruct::x_k3
```

6.15.1.6 x_k4

```
double InoOldTrackFitAlg::FiltDataStruct::x_k4
```

6.15.1.7 x_k5

```
int InoOldTrackFitAlg::FiltDataStruct::x_k5
```

6.15.1.8 x_k6

```
bool InoOldTrackFitAlg::FiltDataStruct::x_k6
```

The documentation for this struct was generated from the following file:

- inc/InoOldTrackFitAlg.h

6.16 GeneralRecoInfo Class Reference

```
#include <GeneralRecoInfo.hh>
```

Collaboration diagram for GeneralRecoInfo:

Public Member Functions

- GeneralRecoInfo ()
- GeneralRecoInfo (char *fileInName)
- ∼GeneralRecoInfo ()
- void OpenRootFiles (char *outf)
- void CloseRootFiles ()

Public Attributes

- TFile ∗ GeneralFileOut
- TH1D ∗ xlayer_mult [200]
- TH1D ∗ ylayer_mult [200]
- TH2D ∗ raw_occu [200]
- TH1D ∗ xlayer_occu [200]
- TH1D ∗ ylayer_occu [200]
- TH1D ∗ xlayer_muon_occu [200]
- TH1D ∗ ylayer_muon_occu [200]
- TH1D ∗ nlayer_fit
- TH1D ∗ fit_nLayer
- TFile ∗ InCorrFile
- TH2D ∗ h_align_xstr_ydev
- TH2D ∗ h_align_ystr_xdev
- TH2D ∗ h_align_xstr_xdev
- TH2D ∗ h_align_ystr_ydev
- TH3D ∗ h_strpos_vs_time
- TH2D ∗ h_xposerrsq
- TH2D ∗ h_yposerrsq
- TH1D ∗ h_timeserrx2
- TH1D ∗ h_timeserry2
- TH1D ∗ h_timeoffsetx
- TH1D ∗ h_timeoffsety
- TH2D ∗ h_xtoffset
- TH2D ∗ h_ytoffset
- TH2D ∗ h_xtoffystr
- TH2D ∗ h_ytoffxstr

- TH3D ∗ h_xt_slope_cor
- TH3D ∗ h_yt_slope_cor
- double align_xstr_ydev [200][3]
- double align_ystr_xdev [200][3]
- double align_xstr_xdev [200][3]
- double align_ystr_ydev [200][3]
- double timeoffsetx [200]
- double timeoffsety [200]
- double xtoffset [200][128]
- double ytoffset [200][128]
- double xt_slope_cor [200][128][128]
- double yt_slope_cor [200][128][128]

Static Public Attributes

- static GeneralRecoInfo ∗ GnPointer

6.16.1 Constructor & Destructor Documentation

6.16.1.1 GeneralRecoInfo() [1/2]

```
GeneralRecoInfo::GeneralRecoInfo ( )
```

6.16.1.2 GeneralRecoInfo() [2/2]

```
GeneralRecoInfo::GeneralRecoInfo (
            char ∗ fileInName )
```

6.16.1.3 ∼GeneralRecoInfo()

```
GeneralRecoInfo::∼GeneralRecoInfo ( )
```

6.16.2 Member Function Documentation

6.16.2.1 CloseRootFiles()

```
void GeneralRecoInfo::CloseRootFiles ( )
```

6.16.2.2 OpenRootFiles()

```
void GeneralRecoInfo::OpenRootFiles (
            char * outf )
```

6.16.3 Member Data Documentation

6.16.3.1 align_xstr_xdev

```
double GeneralRecoInfo::align_xstr_xdev[200][3]
```

6.16.3.2 align_xstr_ydev

```
double GeneralRecoInfo::align_xstr_ydev[200][3]
```

6.16.3.3 align_ystr_xdev

```
double GeneralRecoInfo::align_ystr_xdev[200][3]
```

6.16.3.4 align_ystr_ydev

```
double GeneralRecoInfo::align_ystr_ydev[200][3]
```

6.16.3.5 fit_nLayer

```
TH1D* GeneralRecoInfo::fit_nLayer
```

6.16.3.6 GeneralFileOut

```
TFile* GeneralRecoInfo::GeneralFileOut
```

6.16.3.7 GnPointer

GeneralRecoInfo * GeneralRecoInfo::GnPointer [static]

6.16.3.8 h_align_xstr_xdev

TH2D* GeneralRecoInfo::h_align_xstr_xdev

6.16.3.9 h_align_xstr_ydev

TH2D* GeneralRecoInfo::h_align_xstr_ydev

6.16.3.10 h_align_ystr_xdev

TH2D* GeneralRecoInfo::h_align_ystr_xdev

6.16.3.11 h_align_ystr_ydev

TH2D* GeneralRecoInfo::h_align_ystr_ydev

6.16.3.12 h_strpos_vs_time

TH3D* GeneralRecoInfo::h_strpos_vs_time

6.16.3.13 h_timeoffsetx

TH1D* GeneralRecoInfo::h_timeoffsetx

6.16.3.14 h_timeoffsety

TH1D* GeneralRecoInfo::h_timeoffsety

6.16.3.15 h_timeserrx2

`TH1D* GeneralRecoInfo::h_timeserrx2`

6.16.3.16 h_timeserry2

`TH1D* GeneralRecoInfo::h_timeserry2`

6.16.3.17 h_xposerrsq

`TH2D* GeneralRecoInfo::h_xposerrsq`

6.16.3.18 h_xt_slope_cor

`TH3D* GeneralRecoInfo::h_xt_slope_cor`

6.16.3.19 h_xtoffset

`TH2D* GeneralRecoInfo::h_xtoffset`

6.16.3.20 h_xtoffystr

`TH2D* GeneralRecoInfo::h_xtoffystr`

6.16.3.21 h_yposerrsq

`TH2D* GeneralRecoInfo::h_yposerrsq`

6.16.3.22 h_yt_slope_cor

`TH3D* GeneralRecoInfo::h_yt_slope_cor`

6.16.3.23 h_ytoffset

```
TH2D* GeneralRecoInfo::h_ytoffset
```

6.16.3.24 h_ytoffxstr

```
TH2D* GeneralRecoInfo::h_ytoffxstr
```

6.16.3.25 InCorrFile

```
TFile* GeneralRecoInfo::InCorrFile
```

6.16.3.26 nlayer_fit

```
TH1D* GeneralRecoInfo::nlayer_fit
```

6.16.3.27 raw_occu

```
TH2D* GeneralRecoInfo::raw_occu[200]
```

6.16.3.28 timeoffsetx

```
double GeneralRecoInfo::timeoffsetx[200]
```

6.16.3.29 timeoffsety

```
double GeneralRecoInfo::timeoffsety[200]
```

6.16.3.30 xlayer_mult

```
TH1D* GeneralRecoInfo::xlayer_mult[200]
```

6.16.3.31 xlayer_muon_occu

`TH1D* GeneralRecoInfo::xlayer_muon_occu[200]`

6.16.3.32 xlayer_occu

`TH1D* GeneralRecoInfo::xlayer_occu[200]`

6.16.3.33 xt_slope_cor

`double GeneralRecoInfo::xt_slope_cor[200][128][128]`

6.16.3.34 xtoffset

`double GeneralRecoInfo::xtoffset[200][128]`

6.16.3.35 ylayer_mult

`TH1D* GeneralRecoInfo::ylayer_mult[200]`

6.16.3.36 ylayer_muon_occu

`TH1D* GeneralRecoInfo::ylayer_muon_occu[200]`

6.16.3.37 ylayer_occu

`TH1D* GeneralRecoInfo::ylayer_occu[200]`

6.16.3.38 yt_slope_cor

`double GeneralRecoInfo::yt_slope_cor[200][128][128]`

6.16.3.39 ytoffset

```
double GeneralRecoInfo::ytoffset[200][128]
```

The documentation for this class was generated from the following files:

- inc/GeneralRecoInfo.hh
- src/GeneralRecoInfo.cc

6.17 HitPos Class Reference

```
#include <HitPos.h>
```

Inheritance diagram for HitPos:

Collaboration diagram for HitPos:

Public Member Functions

- HitPos ()
- HitPos (Float_t random)
- virtual ∼HitPos ()

Public Attributes

- int TrackType
- int HitNum
- int PrimHitNum
- int CluNum
- int TriNum
- int FitUpNum
- int FitDownNum
- int FindNum
- int ShowerHitNum
- int ParCode
- int Fup
- float XX
- float YY
- float ZZ
- float pmag
- float pt
- float pp

6.17.1 Constructor & Destructor Documentation

6.17.1.1 HitPos() [1/2]

```
HitPos::HitPos ( )
```

6.17.1.2 HitPos() [2/2]

```
HitPos::HitPos (
            Float_t random )
```

6.17.1.3 ∼HitPos()

```
HitPos::∼HitPos ( )    [virtual]
```

6.17.2 Member Data Documentation

6.17.2.1 CluNum

```
int HitPos::CluNum
```

6.17.2.2 FindNum

```
int HitPos::FindNum
```

6.17.2.3 FitDownNum

```
int HitPos::FitDownNum
```

6.17.2.4 FitUpNum

```
int HitPos::FitUpNum
```

6.17.2.5 Fup

```
int HitPos::Fup
```

6.17.2.6 HitNum

```
int HitPos::HitNum
```

6.17.2.7 ParCode

```
int HitPos::ParCode
```

6.17.2.8 pmag

```
float HitPos::pmag
```

6.17.2.9 pp

```
float HitPos::pp
```

6.17.2.10 PrimHitNum

```
int HitPos::PrimHitNum
```

6.17.2.11 pt

```
float HitPos::pt
```

6.17.2.12 ShowerHitNum

```
int HitPos::ShowerHitNum
```

6.17.2.13 TrackType

```
int HitPos::TrackType
```

6.17.2.14 TriNum

```
int HitPos::TriNum
```

6.17.2.15 XX

```
float HitPos::XX
```

6.17.2.16 YY

```
float HitPos::YY
```

6.17.2.17 ZZ

```
float HitPos::ZZ
```

The documentation for this class was generated from the following files:

- inc/HitPos.h
- src/HitPos.cc

6.18 Hits Class Reference

```
#include <Hits.h>
```

Inheritance diagram for Hits:

Collaboration diagram for Hits:

Public Member Functions

- Hits ()
- virtual ∼Hits ()
- HitPos ∗ AddHits (Float_t random, Float_t ptmin=1)
- void ClearTracks ()
- TClonesArray ∗ GetHits () const

Public Attributes

- int ENum
- int NEle
- int NHits
- int NPrimHits
- int NClus
- int NTrips
- int NFitUp
- int NFitDown
- int NFinders
- int NParticles
- int NRecTracks
- int NShowerHits
- TRef fLastHit
- TClonesArray ∗ fHits
- Bool_t fIsValid

Static Public Attributes

- static TClonesArray ∗ fgHits = 0

6.18.1 Constructor & Destructor Documentation

6.18.1.1 Hits()

```
Hits::Hits ( )
```

6.18.1.2 ∼Hits()

```
Hits::∼Hits ( )  [virtual]
```

6.18.2 Member Function Documentation

6.18.2.1 AddHits()

```
HitPos ∗ Hits::AddHits (
        Float_t random,
        Float_t ptmin = 1 )
```

6.18.2.2 ClearTracks()

```
void Hits::ClearTracks ( )
```

6.18.2.3 GetHits()

```
TClonesArray* Hits::GetHits ( ) const  [inline]
```

6.18.3 Member Data Documentation

6.18.3.1 ENum

```
int Hits::ENum
```

6.18.3.2 fgHits

```
TClonesArray * Hits::fgHits = 0  [static]
```

6.18.3.3 fHits

```
TClonesArray* Hits::fHits
```

6.18.3.4 fIsValid

```
Bool_t Hits::fIsValid
```

6.18.3.5 fLastHit

```
TRef Hits::fLastHit
```

6.18.3.6 NClus

```
int Hits::NClus
```

6.18.3.7 NEle

```
int Hits::NEle
```

6.18.3.8 NFinders

```
int Hits::NFinders
```

6.18.3.9 NFitDown

```
int Hits::NFitDown
```

6.18.3.10 NFitUp

```
int Hits::NFitUp
```

6.18.3.11 NHits

```
int Hits::NHits
```

6.18.3.12 NParticles

```
int Hits::NParticles
```

6.18.3.13 NPrimHits

```
int Hits::NPrimHits
```

6.18.3.14 NRecTracks

```
int Hits::NRecTracks
```

6.18.3.15 NShowerHits

```
int Hits::NShowerHits
```

6.18.3.16 NTrips

```
int Hits::NTrips
```

The documentation for this class was generated from the following files:

- inc/Hits.h
- src/Hits.cc

6.19 Ical0DetectorParameterDef Class Reference

```
#include <Ical0DetectorParameterDef.hh>
```

Collaboration diagram for Ical0DetectorParameterDef:

Public Member Functions

- Ical0DetectorParameterDef ()
- ∼Ical0DetectorParameterDef ()
- void UpdateDetectorParameterDef ()
- void UpdateDetectorParameterDef1 ()
- bool SetParameterDB ()
- void ReadStripInfoFile ()
- void SetParameterLocation (G4String value)
- G4String GetParameterLocation ()
- double GetParworld (int i)
- double GetParino (int i)
- double GetGapino ()
- int GetNumino ()
- double GetParcoilspacerpc (int i)
- double GetParcoilspaceiron (int i)
- double GetParairgap1 (int i)
- double GetParairgap2 (int i)
- double GetParairgap3 (int i)
- double GetParairgap4 (int i)
- double GetParlay (int i)

- double GetParmod (int i)
- double GetParchm (int i)
- double GetPariron (int i)
- double GetParirmod (int i)
- double GetParirlay (int i)
- double GetParspacer1 (int i)
- double GetParspacer2 (int i)
- double GetParspacer3 (int i)
- double GetParspacer4 (int i)
- double GetParspacer5 (int i)
- double GetParspacer6 (int i)
- double GetParFrpBox (int i)
- double GetParAirBox (int i)
- double GetParG10Trap1 (int i)
- double GetParG10Trap2 (int i)
- double GetParal (int i)
- double GetParALCutBig (int i)
- double GetParALCutSmall (int i)
- double GetParhoneycomb (int i)
- double GetParHoneyCombCutBig (int i)
- double GetParHoneyCombCutSmall (int i)
- double GetParcup (int i)
- double GetParCupCutBig (int i)
- double GetParCupCutSmall (int i)
- double GetParmylar (int i)
- double GetParMylarCutBig (int i)
- double GetParMylarCutSmall (int i)
- double GetParcoat (int i)
- double GetParCoatCutBig (int i)
- double GetParCoatCutSmall (int i)
- double GetParqurz (int i)
- double GetParQurzCutBig (int i)
- double GetParQurzCutSmall (int i)
- double GetPargas (int i)
- double GetParGasCutBig (int i)
- double GetParGasCutSmall (int i)
- double GetParvcoil (int i)
- double GetParhcoil (int i)
- double GetParcurvedcoil (int i)
- double GetParcoilsupport (int i)
- double GetXStrwd ()
- double GetYStrwd ()
- int GetnXStrip ()
- int GetnYStrip ()
- int GetnLayer ()
- int GetnModule ()
- int GetnIron ()
- int GetnChamber ()
- int GetnIRLayer ()
- int GetnIRModule ()
- int GetnSpacer1 ()
- int GetnSpacer2 ()
- int GetnSpacer3 ()
- int GetnSpacer4 ()
- int GetnSpacer5 ()

- int GetnSpacer6 ()
- int GetnCoil ()
- int GetnCoilSupport ()
- double GetRPCLayerPosZ (int j)
- double GetIRONLayerPosZ (int j)
- double GetRPCShift (int i)

Public Attributes

- unsigned long int StripInfo [3][150][8][8][2][64]

Static Public Attributes

- static Ical0DetectorParameterDef ∗ AnPointer

6.19.1 Constructor & Destructor Documentation

6.19.1.1 Ical0DetectorParameterDef()

```
Ical0DetectorParameterDef::Ical0DetectorParameterDef ( )
```

6.19.1.2 ∼Ical0DetectorParameterDef()

```
Ical0DetectorParameterDef::∼Ical0DetectorParameterDef ( )  [inline]
```

6.19.2 Member Function Documentation

6.19.2.1 GetGapino()

```
double Ical0DetectorParameterDef::GetGapino ( )  [inline]
```

6.19.2.2 GetIRONLayerPosZ()

```
double Ical0DetectorParameterDef::GetIRONLayerPosZ (
            int j )  [inline]
```

6.19.2.3 GetnChamber()

```
int Ical0DetectorParameterDef::GetnChamber ( )  [inline]
```

6.19.2.4 GetnCoil()

```
int Ical0DetectorParameterDef::GetnCoil ( )  [inline]
```

6.19.2.5 GetnCoilSupport()

```
int Ical0DetectorParameterDef::GetnCoilSupport ( )  [inline]
```

6.19.2.6 GetnIRLayer()

```
int Ical0DetectorParameterDef::GetnIRLayer ( )  [inline]
```

6.19.2.7 GetnIRModule()

```
int Ical0DetectorParameterDef::GetnIRModule ( )  [inline]
```

6.19.2.8 GetnIron()

```
int Ical0DetectorParameterDef::GetnIron ( )  [inline]
```

6.19.2.9 GetnLayer()

```
int Ical0DetectorParameterDef::GetnLayer ( )  [inline]
```

6.19.2.10 GetnModule()

```
int Ical0DetectorParameterDef::GetnModule ( )  [inline]
```

6.19.2.11 GetnSpacer1()

`int Ical0DetectorParameterDef::GetnSpacer1 ( ) [inline]`

6.19.2.12 GetnSpacer2()

`int Ical0DetectorParameterDef::GetnSpacer2 ( ) [inline]`

6.19.2.13 GetnSpacer3()

`int Ical0DetectorParameterDef::GetnSpacer3 ( ) [inline]`

6.19.2.14 GetnSpacer4()

`int Ical0DetectorParameterDef::GetnSpacer4 ( ) [inline]`

6.19.2.15 GetnSpacer5()

`int Ical0DetectorParameterDef::GetnSpacer5 ( ) [inline]`

6.19.2.16 GetnSpacer6()

`int Ical0DetectorParameterDef::GetnSpacer6 ( ) [inline]`

6.19.2.17 GetNumino()

`int Ical0DetectorParameterDef::GetNumino ( ) [inline]`

6.19.2.18 GetnXStrip()

`int Ical0DetectorParameterDef::GetnXStrip ( ) [inline]`

6.19.2.19 GetnYStrip()

```
int Ical0DetectorParameterDef::GetnYStrip ( )  [inline]
```

6.19.2.20 GetParAirBox()

```
double Ical0DetectorParameterDef::GetParAirBox (
            int i )  [inline]
```

6.19.2.21 GetParairgap1()

```
double Ical0DetectorParameterDef::GetParairgap1 (
            int i )  [inline]
```

6.19.2.22 GetParairgap2()

```
double Ical0DetectorParameterDef::GetParairgap2 (
            int i )  [inline]
```

6.19.2.23 GetParairgap3()

```
double Ical0DetectorParameterDef::GetParairgap3 (
            int i )  [inline]
```

6.19.2.24 GetParairgap4()

```
double Ical0DetectorParameterDef::GetParairgap4 (
            int i )  [inline]
```

6.19.2.25 GetParal()

```
double Ical0DetectorParameterDef::GetParal (
            int i )  [inline]
```

6.19.2.26 GetParALCutBig()

```
double Ical0DetectorParameterDef::GetParALCutBig (
            int i ) [inline]
```

6.19.2.27 GetParALCutSmall()

```
double Ical0DetectorParameterDef::GetParALCutSmall (
            int i ) [inline]
```

6.19.2.28 GetParameterLocation()

```
G4String Ical0DetectorParameterDef::GetParameterLocation ( ) [inline]
```

6.19.2.29 GetParchm()

```
double Ical0DetectorParameterDef::GetParchm (
            int i ) [inline]
```

6.19.2.30 GetParcoat()

```
double Ical0DetectorParameterDef::GetParcoat (
            int i ) [inline]
```

6.19.2.31 GetParCoatCutBig()

```
double Ical0DetectorParameterDef::GetParCoatCutBig (
            int i ) [inline]
```

6.19.2.32 GetParCoatCutSmall()

```
double Ical0DetectorParameterDef::GetParCoatCutSmall (
            int i ) [inline]
```

6.19.2.33 GetParcoilspaceiron()

```
double Ical0DetectorParameterDef::GetParcoilspaceiron (
            int i ) [inline]
```

6.19.2.34 GetParcoilspacerpc()

```
double Ical0DetectorParameterDef::GetParcoilspacerpc (
            int i ) [inline]
```

6.19.2.35 GetParcoilsupport()

```
double Ical0DetectorParameterDef::GetParcoilsupport (
            int i ) [inline]
```

6.19.2.36 GetParcup()

```
double Ical0DetectorParameterDef::GetParcup (
            int i ) [inline]
```

6.19.2.37 GetParCupCutBig()

```
double Ical0DetectorParameterDef::GetParCupCutBig (
            int i ) [inline]
```

6.19.2.38 GetParCupCutSmall()

```
double Ical0DetectorParameterDef::GetParCupCutSmall (
            int i ) [inline]
```

6.19.2.39 GetParcurvedcoil()

```
double Ical0DetectorParameterDef::GetParcurvedcoil (
            int i ) [inline]
```

6.19.2.40   GetParFrpBox()

```
double Ical0DetectorParameterDef::GetParFrpBox (
            int i ) [inline]
```

6.19.2.41   GetParG10Trap1()

```
double Ical0DetectorParameterDef::GetParG10Trap1 (
            int i ) [inline]
```

6.19.2.42   GetParG10Trap2()

```
double Ical0DetectorParameterDef::GetParG10Trap2 (
            int i ) [inline]
```

6.19.2.43   GetPargas()

```
double Ical0DetectorParameterDef::GetPargas (
            int i ) [inline]
```

6.19.2.44   GetParGasCutBig()

```
double Ical0DetectorParameterDef::GetParGasCutBig (
            int i ) [inline]
```

6.19.2.45   GetParGasCutSmall()

```
double Ical0DetectorParameterDef::GetParGasCutSmall (
            int i ) [inline]
```

6.19.2.46   GetParhcoil()

```
double Ical0DetectorParameterDef::GetParhcoil (
            int i ) [inline]
```

6.19.2.47 GetParhoneycomb()

```
double Ical0DetectorParameterDef::GetParhoneycomb (
            int i ) [inline]
```

6.19.2.48 GetParHoneyCombCutBig()

```
double Ical0DetectorParameterDef::GetParHoneyCombCutBig (
            int i ) [inline]
```

6.19.2.49 GetParHoneyCombCutSmall()

```
double Ical0DetectorParameterDef::GetParHoneyCombCutSmall (
            int i ) [inline]
```

6.19.2.50 GetParino()

```
double Ical0DetectorParameterDef::GetParino (
            int i ) [inline]
```

6.19.2.51 GetParirlay()

```
double Ical0DetectorParameterDef::GetParirlay (
            int i ) [inline]
```

6.19.2.52 GetParirmod()

```
double Ical0DetectorParameterDef::GetParirmod (
            int i ) [inline]
```

6.19.2.53 GetPariron()

```
double Ical0DetectorParameterDef::GetPariron (
            int i ) [inline]
```

6.19.2.54 GetParlay()

```
double Ical0DetectorParameterDef::GetParlay (
              int i ) [inline]
```

6.19.2.55 GetParmod()

```
double Ical0DetectorParameterDef::GetParmod (
              int i ) [inline]
```

6.19.2.56 GetParmylar()

```
double Ical0DetectorParameterDef::GetParmylar (
              int i ) [inline]
```

6.19.2.57 GetParMylarCutBig()

```
double Ical0DetectorParameterDef::GetParMylarCutBig (
              int i ) [inline]
```

6.19.2.58 GetParMylarCutSmall()

```
double Ical0DetectorParameterDef::GetParMylarCutSmall (
              int i ) [inline]
```

6.19.2.59 GetParqurz()

```
double Ical0DetectorParameterDef::GetParqurz (
              int i ) [inline]
```

6.19.2.60 GetParQurzCutBig()

```
double Ical0DetectorParameterDef::GetParQurzCutBig (
              int i ) [inline]
```

6.19.2.61 GetParQurzCutSmall()

```
double Ical0DetectorParameterDef::GetParQurzCutSmall (
            int i ) [inline]
```

6.19.2.62 GetParspacer1()

```
double Ical0DetectorParameterDef::GetParspacer1 (
            int i ) [inline]
```

6.19.2.63 GetParspacer2()

```
double Ical0DetectorParameterDef::GetParspacer2 (
            int i ) [inline]
```

6.19.2.64 GetParspacer3()

```
double Ical0DetectorParameterDef::GetParspacer3 (
            int i ) [inline]
```

6.19.2.65 GetParspacer4()

```
double Ical0DetectorParameterDef::GetParspacer4 (
            int i ) [inline]
```

6.19.2.66 GetParspacer5()

```
double Ical0DetectorParameterDef::GetParspacer5 (
            int i ) [inline]
```

6.19.2.67 GetParspacer6()

```
double Ical0DetectorParameterDef::GetParspacer6 (
            int i ) [inline]
```

6.19.2.68 GetParvcoil()

```
double Ical0DetectorParameterDef::GetParvcoil (
             int i ) [inline]
```

6.19.2.69 GetParworld()

```
double Ical0DetectorParameterDef::GetParworld (
             int i ) [inline]
```

6.19.2.70 GetRPCLayerPosZ()

```
double Ical0DetectorParameterDef::GetRPCLayerPosZ (
             int j ) [inline]
```

6.19.2.71 GetRPCShift()

```
double Ical0DetectorParameterDef::GetRPCShift (
             int i ) [inline]
```

6.19.2.72 GetXStrwd()

```
double Ical0DetectorParameterDef::GetXStrwd ( ) [inline]
```

6.19.2.73 GetYStrwd()

```
double Ical0DetectorParameterDef::GetYStrwd ( ) [inline]
```

6.19.2.74 ReadStripInfoFile()

```
void Ical0DetectorParameterDef::ReadStripInfoFile ( )
```

6.19.2.75 SetParameterDB()

```
bool Ical0DetectorParameterDef::SetParameterDB ( )
```

6.19.2.76 SetParameterLocation()

```
void Ical0DetectorParameterDef::SetParameterLocation (
            G4String value )  [inline]
```

6.19.2.77 UpdateDetectorParameterDef()

```
void Ical0DetectorParameterDef::UpdateDetectorParameterDef ( )
```

6.19.2.78 UpdateDetectorParameterDef1()

```
void Ical0DetectorParameterDef::UpdateDetectorParameterDef1 ( )
```

6.19.3 Member Data Documentation

6.19.3.1 AnPointer

```
Ical0DetectorParameterDef* Ical0DetectorParameterDef::AnPointer  [static]
```

6.19.3.2 StripInfo

```
unsigned long int Ical0DetectorParameterDef::StripInfo[3][150][8][8][2][64]
```

The documentation for this class was generated from the following file:

- inc/Ical0DetectorParameterDef.hh

6.20 InoCal0Hit Class Reference

```
#include <InoCal0Hit.hh>
```

Inheritance diagram for InoCal0Hit:

Collaboration diagram for InoCal0Hit:

Public Member Functions

- InoCal0Hit ()
- ∼InoCal0Hit ()
- InoCal0Hit (const InoCal0Hit &right)
- const InoCal0Hit & operator= (const InoCal0Hit &right)
- G4int operator== (const InoCal0Hit &right) const
- void Draw ()
- void Print ()
- void SetpdgId (G4int id)
- void SetEdep (G4double de)
- void AddEdep (G4double de)
- G4double GetEdep ()
- void SetPos (G4ThreeVector xyz)
- G4ThreeVector GetPos ()
- void SetMom (G4ThreeVector xyz)
- G4ThreeVector GetMom ()
- void SetTime (G4double tf)
- G4double GetTime ()
- void SetLocalXPos (G4double xyz)
- G4double GetLocalXPos ()
- void SetLocalYPos (G4double xyz)
- G4double GetLocalYPos ()
- void SetHitId (unsigned long id)
- unsigned long GetHitId ()
- G4int GetpdgId ()

6.20.1 Constructor & Destructor Documentation

6.20.1.1 InoCal0Hit() [1/2]

```
InoCal0Hit::InoCal0Hit ( )
```

6.20.1.2 ∼InoCal0Hit()

```
InoCal0Hit::∼InoCal0Hit ( )
```

6.20.1.3 InoCal0Hit() [2/2]

```
InoCal0Hit::InoCal0Hit (
            const InoCal0Hit & right )
```

6.20.2 Member Function Documentation

6.20.2.1 AddEdep()

```
void InoCal0Hit::AddEdep (
            G4double de )  [inline]
```

6.20.2.2 Draw()

```
void InoCal0Hit::Draw ( )
```

6.20.2.3 GetEdep()

```
G4double InoCal0Hit::GetEdep ( )  [inline]
```

6.20.2.4 GetHitId()

```
unsigned long InoCal0Hit::GetHitId ( )  [inline]
```

6.20.2.5 GetLocalXPos()

```
G4double InoCal0Hit::GetLocalXPos ( )  [inline]
```

6.20.2.6 GetLocalYPos()

```
G4double InoCal0Hit::GetLocalYPos ( )  [inline]
```

6.20.2.7 GetMom()

```
G4ThreeVector InoCal0Hit::GetMom ( )  [inline]
```

6.20.2.8 GetpdgId()

```
G4int InoCal0Hit::GetpdgId ( )  [inline]
```

6.20.2.9 GetPos()

```
G4ThreeVector InoCal0Hit::GetPos ( )  [inline]
```

6.20.2.10 GetTime()

```
G4double InoCal0Hit::GetTime ( )  [inline]
```

6.20.2.11 operator=()

```
const InoCal0Hit & InoCal0Hit::operator= (
            const InoCal0Hit & right )
```

6.20.2.12 operator==()

```
G4int InoCal0Hit::operator== (
            const InoCal0Hit & right ) const
```

6.20.2.13 Print()

```
void InoCal0Hit::Print ( )
```

6.20.2.14 SetEdep()

```
void InoCal0Hit::SetEdep (
            G4double de ) [inline]
```

6.20.2.15 SetHitId()

```
void InoCal0Hit::SetHitId (
            unsigned long id ) [inline]
```

6.20.2.16 SetLocalXPos()

```
void InoCal0Hit::SetLocalXPos (
            G4double xyz ) [inline]
```

6.20.2.17 SetLocalYPos()

```
void InoCal0Hit::SetLocalYPos (
            G4double xyz ) [inline]
```

6.20.2.18 SetMom()

```
void InoCal0Hit::SetMom (
            G4ThreeVector xyz ) [inline]
```

6.20.2.19 SetpdgId()

```
void InoCal0Hit::SetpdgId (
            G4int id ) [inline]
```

6.20.2.20 SetPos()

```
void InoCal0Hit::SetPos (
            G4ThreeVector xyz ) [inline]
```

6.20.2.21 SetTime()

```
void InoCal0Hit::SetTime (
            G4double tf ) [inline]
```

The documentation for this class was generated from the following files:

- inc/InoCal0Hit.hh
- src/InoCal0Hit.cc

6.21 InoCal0Hit_Manager Class Reference

```
#include <vect_manager.h>
```

Collaboration diagram for InoCal0Hit_Manager:

Public Member Functions

- InoCal0Hit_Manager ()
- ∼InoCal0Hit_Manager ()

Public Attributes

- vector< InoCal0Hit ∗ > InoCal0Hit_list

Static Public Attributes

- static InoCal0Hit_Manager ∗ APointer

6.21.1 Constructor & Destructor Documentation

6.21.1.1 InoCal0Hit_Manager()

```
InoCal0Hit_Manager::InoCal0Hit_Manager ( )
```

6.21.1.2 ∼InoCal0Hit_Manager()

```
InoCal0Hit_Manager::∼InoCal0Hit_Manager ( )
```

6.21.2 Member Data Documentation

6.21.2.1 APointer

```
InoCal0Hit_Manager * InoCal0Hit_Manager::APointer [static]
```

6.21.2.2 InoCal0Hit_list

```
vector<InoCal0Hit*> InoCal0Hit_Manager::InoCal0Hit_list
```

The documentation for this class was generated from the following files:

- inc/vect_manager.h
- src/vect_manager.cc

6.22 InoCal1Hit Class Reference

```
#include <InoCal1Hit.hh>
```

Inheritance diagram for InoCal1Hit:

Collaboration diagram for InoCal1Hit:

Public Member Functions

- InoCal1Hit ()
- ∼InoCal1Hit ()
- InoCal1Hit (const InoCal1Hit &right)
- const InoCal1Hit & operator= (const InoCal1Hit &right)
- G4int operator== (const InoCal1Hit &right) const
- void Draw ()
- void Print ()
- void SetpdgId (G4int id)
- void SetEdep (G4double de)
- void AddEdep (G4double de, G4ThreeVector poss, G4ThreeVector localposs)
- G4double GetEdep ()
- void SetPos (G4ThreeVector xyz)
- G4ThreeVector GetPos ()
- void SetMom (G4ThreeVector xyz)
- G4ThreeVector GetMom ()
- void SetTime (G4double tf)
- G4double GetTime ()
- void SetLocalXPos (G4double xyz)
- G4double GetLocalXPos ()
- void SetLocalYPos (G4double xyz)
- G4double GetLocalYPos ()
- void SetLocalZPos (G4double xyz)
- G4double GetLocalZPos ()
- void SetLocalPos (G4ThreeVector xyz)
- G4ThreeVector GetLocalPos ()
- void SetHitId (unsigned long id)
- unsigned long GetHitId ()
- void SetSiPMId (unsigned long id)
- unsigned long GetSiPMId ()
- G4int GetpdgId ()

6.22.1 Constructor & Destructor Documentation

6.22.1.1 InoCal1Hit() [1/2]

```
InoCal1Hit::InoCal1Hit ( )
```

6.22.1.2 ∼InoCal1Hit()

```
InoCal1Hit::∼InoCal1Hit ( )
```

6.22.1.3 InoCal1Hit() [2/2]

```
InoCal1Hit::InoCal1Hit (
            const InoCal1Hit & right )
```

6.22.2 Member Function Documentation

6.22.2.1 AddEdep()

```
void InoCal1Hit::AddEdep (
            G4double de,
            G4ThreeVector poss,
            G4ThreeVector localposs ) [inline]
```

6.22.2.2 Draw()

```
void InoCal1Hit::Draw ( )
```

6.22.2.3 GetEdep()

```
G4double InoCal1Hit::GetEdep ( ) [inline]
```

6.22.2.4 GetHitId()

```
unsigned long InoCal1Hit::GetHitId ( )  [inline]
```

6.22.2.5 GetLocalPos()

```
G4ThreeVector InoCal1Hit::GetLocalPos ( )  [inline]
```

6.22.2.6 GetLocalXPos()

```
G4double InoCal1Hit::GetLocalXPos ( )  [inline]
```

6.22.2.7 GetLocalYPos()

```
G4double InoCal1Hit::GetLocalYPos ( )  [inline]
```

6.22.2.8 GetLocalZPos()

```
G4double InoCal1Hit::GetLocalZPos ( )  [inline]
```

6.22.2.9 GetMom()

```
G4ThreeVector InoCal1Hit::GetMom ( )  [inline]
```

6.22.2.10 GetpdgId()

```
G4int InoCal1Hit::GetpdgId ( )  [inline]
```

6.22.2.11 GetPos()

```
G4ThreeVector InoCal1Hit::GetPos ( )  [inline]
```

6.22.2.12 GetSiPMId()

```
unsigned long InoCal1Hit::GetSiPMId ( )  [inline]
```

6.22.2.13 GetTime()

```
G4double InoCal1Hit::GetTime ( )  [inline]
```

6.22.2.14 operator=()

```
const InoCal1Hit & InoCal1Hit::operator= (
            const InoCal1Hit & right )
```

6.22.2.15 operator==()

```
G4int InoCal1Hit::operator== (
            const InoCal1Hit & right ) const
```

6.22.2.16 Print()

```
void InoCal1Hit::Print ( )
```

6.22.2.17 SetEdep()

```
void InoCal1Hit::SetEdep (
            G4double de )  [inline]
```

6.22.2.18 SetHitId()

```
void InoCal1Hit::SetHitId (
            unsigned long id )  [inline]
```

6.22.2.19 SetLocalPos()

```
void InoCal1Hit::SetLocalPos (
            G4ThreeVector xyz ) [inline]
```

6.22.2.20 SetLocalXPos()

```
void InoCal1Hit::SetLocalXPos (
            G4double xyz ) [inline]
```

6.22.2.21 SetLocalYPos()

```
void InoCal1Hit::SetLocalYPos (
            G4double xyz ) [inline]
```

6.22.2.22 SetLocalZPos()

```
void InoCal1Hit::SetLocalZPos (
            G4double xyz ) [inline]
```

6.22.2.23 SetMom()

```
void InoCal1Hit::SetMom (
            G4ThreeVector xyz ) [inline]
```

6.22.2.24 SetpdgId()

```
void InoCal1Hit::SetpdgId (
            G4int id ) [inline]
```

6.22.2.25 SetPos()

```
void InoCal1Hit::SetPos (
            G4ThreeVector xyz ) [inline]
```

6.22.2.26 SetSiPMId()

```
void InoCal1Hit::SetSiPMId (
            unsigned long id )  [inline]
```

6.22.2.27 SetTime()

```
void InoCal1Hit::SetTime (
            G4double tf )  [inline]
```

The documentation for this class was generated from the following files:

- inc/InoCal1Hit.hh
- src/InoCal1Hit.cc

6.23 InoCal1Hit_Manager Class Reference

```
#include <vect_manager.h>
```

Collaboration diagram for InoCal1Hit_Manager:

Public Member Functions

- InoCal1Hit_Manager ()
- ∼InoCal1Hit_Manager ()

Public Attributes

- vector< InoCal1Hit ∗ > InoCal1Hit_list

Static Public Attributes

- static InoCal1Hit_Manager ∗ APointer

6.23.1 Constructor & Destructor Documentation

6.23.1.1 InoCal1Hit_Manager()

```
InoCal1Hit_Manager::InoCal1Hit_Manager ( )
```

6.23.1.2 ∼**InoCal1Hit_Manager()**

```
InoCal1Hit_Manager::~InoCal1Hit_Manager ( )
```

6.23.2 Member Data Documentation

6.23.2.1 APointer

```
InoCal1Hit_Manager * InoCal1Hit_Manager::APointer  [static]
```

6.23.2.2 InoCal1Hit_list

```
vector<InoCal1Hit*> InoCal1Hit_Manager::InoCal1Hit_list
```

The documentation for this class was generated from the following files:

- inc/vect_manager.h
- src/vect_manager.cc

6.24 InoCluster Class Reference

```
#include <InoCluster.h>
```

Collaboration diagram for InoCluster:

Public Member Functions

- InoCluster (InoHit ∗hit)
- virtual ∼InoCluster ()
- void AddHit (InoHit ∗hit)
- bool ContainsHit (InoHit ∗hit)
- int IsHitAssoc (InoHit ∗hit) const
- int IsShwAssoc (InoCluster ∗clust) const
- int IsTrkAssoc (InoCluster ∗clustm, InoCluster ∗clustp) const
- int IsDiffuseShwAssoc (InoCluster ∗clr) const
- unsigned int GetHitEntries () const
- unsigned int GetXEntries ()
- unsigned int GetYEntries ()
- unsigned int GetXProjEntries ()
- unsigned int GetYProjEntries ()
- unsigned int GetNXStripsInClust ()
- unsigned int GetNYStripsInClust ()
- InoHit ∗ GetHit (unsigned int i) const

- int GetDigits () const
- int GetZPlane () const
- int GetRPCmod () const
- int GetBegXStrip () const
- int GetEndXStrip () const
- int GetBegYStrip () const
- int GetEndYStrip () const
- int GetView () const
- double GetZPos ()
- double GetXPos ()
- double GetYPos ()
- void SetClusterNum (int val)
- int GetClusterNum ()
- double GetPulse () const
- double GetXPulse ()
- double GetYPulse ()
- double GetTime () const
- double GetBegTime () const
- double GetEndTime () const
- double GetBegXPos () const
- double GetEndXPos () const
- double GetBegYPos () const
- double GetEndYPos () const
- double GetXPosErr () const
- double GetYPosErr () const
- void SetXPosErr (double err)
- void SetYPosErr (double err)
- int GetTrkFlag () const
- int GetShwFlag () const
- int GetTrkPlnFlag () const
- int GetShwPlnFlag () const
- void SetTrkFlag (int flag)
- void SetShwFlag (int flag)
- void SetTrkPlnFlag (int flag)
- void SetShwPlnFlag (int flag)
- void SetNDFlag (int flag)
- int GetNDFlag () const
- void SetInTrack (bool tag)
- bool GetInTrack ()
- void SetInShower (bool tag)
- bool GetInShower ()
- void SetStraight (bool tag)
- bool GetStraight ()
- bool isIdentical (InoCluster ∗icls)

Public Attributes

- int fZPlane
- int fRPCmod
- int fBegXStrip
- int fEndXStrip
- int fBegYStrip
- int fEndYStrip
- double fBegTime

- double fEndTime
- double fBegXPos
- double fEndXPos
- double fBegYPos
- double fEndYPos
- double fXPos
- double fYPos
- double fZPos
- double fXPulse
- double fYPulse
- int fTrkFlag
- int fShwFlag
- int fTrkPlnFlag
- int fShwPlnFlag
- int fDigits
- int fNDFlag
- double fXPosErr
- double fYPosErr
- int fView
- vector< InoHit * > HitsInCluster

6.24.1 Constructor & Destructor Documentation

6.24.1.1 InoCluster()

```
InoCluster::InoCluster (
            InoHit * hit )
```

6.24.1.2 ∼InoCluster()

```
InoCluster::∼InoCluster ( )  [virtual]
```

6.24.2 Member Function Documentation

6.24.2.1 AddHit()

```
void InoCluster::AddHit (
            InoHit * hit )
```

6.24.2.2 ContainsHit()

```
bool InoCluster::ContainsHit (
            InoHit * hit )
```

6.24.2.3 GetBegTime()

```
double InoCluster::GetBegTime ( ) const  [inline]
```

6.24.2.4 GetBegXPos()

```
double InoCluster::GetBegXPos ( ) const  [inline]
```

6.24.2.5 GetBegXStrip()

```
int InoCluster::GetBegXStrip ( ) const  [inline]
```

6.24.2.6 GetBegYPos()

```
double InoCluster::GetBegYPos ( ) const  [inline]
```

6.24.2.7 GetBegYStrip()

```
int InoCluster::GetBegYStrip ( ) const  [inline]
```

6.24.2.8 GetClusterNum()

```
int InoCluster::GetClusterNum ( )  [inline]
```

6.24.2.9 GetDigits()

```
int InoCluster::GetDigits ( ) const  [inline]
```

6.24.2.10 GetEndTime()

```
double InoCluster::GetEndTime ( ) const  [inline]
```

6.24.2.11 GetEndXPos()

```
double InoCluster::GetEndXPos ( ) const  [inline]
```

6.24.2.12 GetEndXStrip()

```
int InoCluster::GetEndXStrip ( ) const  [inline]
```

6.24.2.13 GetEndYPos()

```
double InoCluster::GetEndYPos ( ) const  [inline]
```

6.24.2.14 GetEndYStrip()

```
int InoCluster::GetEndYStrip ( ) const  [inline]
```

6.24.2.15 GetHit()

```
InoHit * InoCluster::GetHit (
            unsigned int i ) const
```

6.24.2.16 GetHitEntries()

```
unsigned int InoCluster::GetHitEntries ( ) const  [inline]
```

6.24.2.17 GetInShower()

```
bool InoCluster::GetInShower ( )  [inline]
```

6.24.2.18 GetInTrack()

```
bool InoCluster::GetInTrack ( )  [inline]
```

6.24.2.19 GetNDFlag()

```
int InoCluster::GetNDFlag ( ) const  [inline]
```

6.24.2.20 GetNXStripsInClust()

```
unsigned int InoCluster::GetNXStripsInClust ( )
```

6.24.2.21 GetNYStripsInClust()

```
unsigned int InoCluster::GetNYStripsInClust ( )
```

6.24.2.22 GetPulse()

```
double InoCluster::GetPulse ( ) const  [inline]
```

6.24.2.23 GetRPCmod()

```
int InoCluster::GetRPCmod ( ) const  [inline]
```

6.24.2.24 GetShwFlag()

```
int InoCluster::GetShwFlag ( ) const  [inline]
```

6.24.2.25 GetShwPlnFlag()

```
int InoCluster::GetShwPlnFlag ( ) const  [inline]
```

6.24.2.26 GetStraight()

```
bool InoCluster::GetStraight ( )  [inline]
```

6.24.2.27 GetTime()

```
double InoCluster::GetTime ( ) const  [inline]
```

6.24.2.28 GetTrkFlag()

```
int InoCluster::GetTrkFlag ( ) const  [inline]
```

6.24.2.29 GetTrkPlnFlag()

```
int InoCluster::GetTrkPlnFlag ( ) const  [inline]
```

6.24.2.30 GetView()

```
int InoCluster::GetView ( ) const  [inline]
```

6.24.2.31 GetXEntries()

```
unsigned int InoCluster::GetXEntries ( )
```

6.24.2.32 GetXPos()

```
double InoCluster::GetXPos ( )  [inline]
```

6.24.2.33 GetXPosErr()

```
double InoCluster::GetXPosErr ( ) const  [inline]
```

6.24.2.34 GetXProjEntries()

```
unsigned int InoCluster::GetXProjEntries ( )
```

6.24.2.35 GetXPulse()

```
double InoCluster::GetXPulse ( )  [inline]
```

6.24.2.36 GetYEntries()

```
unsigned int InoCluster::GetYEntries ( )
```

6.24.2.37 GetYPos()

```
double InoCluster::GetYPos ( )  [inline]
```

6.24.2.38 GetYPosErr()

```
double InoCluster::GetYPosErr ( ) const  [inline]
```

6.24.2.39 GetYProjEntries()

```
unsigned int InoCluster::GetYProjEntries ( )
```

6.24.2.40 GetYPulse()

```
double InoCluster::GetYPulse ( )  [inline]
```

6.24.2.41 GetZPlane()

```
int InoCluster::GetZPlane ( ) const  [inline]
```

6.24.2.42 GetZPos()

```
double InoCluster::GetZPos ( )  [inline]
```

6.24.2.43 IsDiffuseShwAssoc()

```
int InoCluster::IsDiffuseShwAssoc (
            InoCluster * clr ) const
```

6.24.2.44 IsHitAssoc()

```
int InoCluster::IsHitAssoc (
            InoHit * hit ) const
```

6.24.2.45 isIdentical()

```
bool InoCluster::isIdentical (
            InoCluster * icls )
```

6.24.2.46 IsShwAssoc()

```
int InoCluster::IsShwAssoc (
            InoCluster * clust ) const
```

6.24.2.47 IsTrkAssoc()

```
int InoCluster::IsTrkAssoc (
            InoCluster * clustm,
            InoCluster * clustp ) const
```

6.24.2.48 SetClusterNum()

```
void InoCluster::SetClusterNum (
            int val ) [inline]
```

6.24.2.49 SetInShower()

```
void InoCluster::SetInShower (
            bool tag ) [inline]
```

6.24.2.50 SetInTrack()

```
void InoCluster::SetInTrack (
            bool tag ) [inline]
```

6.24.2.51 SetNDFlag()

```
void InoCluster::SetNDFlag (
            int flag ) [inline]
```

6.24.2.52 SetShwFlag()

```
void InoCluster::SetShwFlag (
            int flag ) [inline]
```

6.24.2.53 SetShwPlnFlag()

```
void InoCluster::SetShwPlnFlag (
            int flag ) [inline]
```

6.24.2.54 SetStraight()

```
void InoCluster::SetStraight (
            bool tag ) [inline]
```

6.24.2.55 SetTrkFlag()

```
void InoCluster::SetTrkFlag (
            int flag ) [inline]
```

6.24.2.56 SetTrkPlnFlag()

```
void InoCluster::SetTrkPlnFlag (
            int flag ) [inline]
```

6.24.2.57 SetXPosErr()

```
void InoCluster::SetXPosErr (
            double err ) [inline]
```

6.24.2.58 SetYPosErr()

```
void InoCluster::SetYPosErr (
            double err ) [inline]
```

6.24.3 Member Data Documentation

6.24.3.1 fBegTime

```
double InoCluster::fBegTime
```

6.24.3.2 fBegXPos

```
double InoCluster::fBegXPos
```

6.24.3.3 fBegXStrip

```
int InoCluster::fBegXStrip
```

6.24.3.4 fBegYPos

```
double InoCluster::fBegYPos
```

6.24.3.5 fBegYStrip

```
int InoCluster::fBegYStrip
```

6.24.3.6 fDigits

```
int InoCluster::fDigits
```

6.24.3.7 fEndTime

```
double InoCluster::fEndTime
```

6.24.3.8 fEndXPos

```
double InoCluster::fEndXPos
```

6.24.3.9 fEndXStrip

```
int InoCluster::fEndXStrip
```

6.24.3.10 fEndYPos

```
double InoCluster::fEndYPos
```

6.24.3.11 fEndYStrip

```
int InoCluster::fEndYStrip
```

6.24.3.12 fNDFlag

```
int InoCluster::fNDFlag
```

6.24.3.13 fRPCmod

```
int InoCluster::fRPCmod
```

6.24.3.14 fShwFlag

```
int InoCluster::fShwFlag
```

6.24.3.15 fShwPlnFlag

```
int InoCluster::fShwPlnFlag
```

6.24.3.16 fTrkFlag

```
int InoCluster::fTrkFlag
```

6.24.3.17 fTrkPlnFlag

```
int InoCluster::fTrkPlnFlag
```

6.24.3.18 fView

```
int InoCluster::fView
```

6.24.3.19 fXPos

```
double InoCluster::fXPos
```

6.24.3.20 fXPosErr

```
double InoCluster::fXPosErr
```

6.24.3.21 fXPulse

```
double InoCluster::fXPulse
```

6.24.3.22 fYPos

```
double InoCluster::fYPos
```

6.24.3.23 fYPosErr

```
double InoCluster::fYPosErr
```

6.24.3.24 fYPulse

```
double InoCluster::fYPulse
```

6.24.3.25 fZPlane

```
int InoCluster::fZPlane
```

6.24.3.26 fZPos

```
double InoCluster::fZPos
```

6.24.3.27 HitsInCluster

```
vector<InoHit*> InoCluster::HitsInCluster
```

The documentation for this class was generated from the following files:

- inc/InoCluster.h
- src/InoCluster.cc

6.25 InoCluster_Manager Class Reference

```
#include <vect_manager.h>
```

Collaboration diagram for InoCluster_Manager:

Public Member Functions

- InoCluster_Manager ()
- ∼InoCluster_Manager ()

Public Attributes

- vector< InoCluster ∗ > InoCluster_list

Static Public Attributes

- static InoCluster_Manager ∗ APointer

6.25.1 Constructor & Destructor Documentation

6.25.1.1 InoCluster_Manager()

```
InoCluster_Manager::InoCluster_Manager ( )
```

6.25.1.2 ∼InoCluster_Manager()

`InoCluster_Manager::∼InoCluster_Manager ( )`

6.25.2 Member Data Documentation

6.25.2.1 APointer

`InoCluster_Manager * InoCluster_Manager::APointer [static]`

6.25.2.2 InoCluster_list

`vector<InoCluster*> InoCluster_Manager::InoCluster_list`

The documentation for this class was generated from the following files:

- inc/vect_manager.h
- src/vect_manager.cc

6.26 InoDigiAlg Class Reference

`#include <InoDigiAlg.hh>`

Collaboration diagram for InoDigiAlg:

Public Member Functions

- InoDigiAlg ()
- ∼InoDigiAlg ()
- void ReadEvent (int ixt)
- void DigitiseSimData ()
- void NoiseGenLoop ()
- void CalculateTrigger ()
- void SaveDigiData ()
- int GetRandomXY (double &GapX, TH2D ∗tmphistx)
- void SetCorrTimeSmear (G4double val)
- void SetUnCorrTimeSmear (G4double val)
- void SetCorrInefficiency (G4double val)
- void SetUnCorrXInefficiency (G4double val)
- void SetUnCorrYInefficiency (G4double val)
- void SetTimeToDigiConv (G4double val)
- void SetSignalSpeed (G4double val)

Public Attributes

- InoStripX_Manager ∗ inoStripX_pointer
- InoStripY_Manager ∗ inoStripY_pointer
- InoCal0Hit_Manager ∗ inocal0hit_pointer

6.26.1 Constructor & Destructor Documentation

6.26.1.1 InoDigiAlg()

```
InoDigiAlg::InoDigiAlg ( )
```

6.26.1.2 ∼InoDigiAlg()

```
InoDigiAlg::∼InoDigiAlg ( )
```

6.26.2 Member Function Documentation

6.26.2.1 CalculateTrigger()

```
void InoDigiAlg::CalculateTrigger ( )
```

6.26.2.2 DigitiseSimData()

```
void InoDigiAlg::DigitiseSimData ( )
```

6.26.2.3 GetRandomXY()

```
int InoDigiAlg::GetRandomXY (
            double & GapX,
            TH2D * tmphistx )
```

6.26.2.4 NoiseGenLoop()

```
void InoDigiAlg::NoiseGenLoop ( )
```

6.26.2.5 ReadEvent()

```
void InoDigiAlg::ReadEvent (
            int ixt )
```

6.26.2.6 SaveDigiData()

```
void InoDigiAlg::SaveDigiData ( )
```

6.26.2.7 SetCorrInefficiency()

```
void InoDigiAlg::SetCorrInefficiency (
            G4double val ) [inline]
```

6.26.2.8 SetCorrTimeSmear()

```
void InoDigiAlg::SetCorrTimeSmear (
            G4double val ) [inline]
```

6.26.2.9 SetSignalSpeed()

```
void InoDigiAlg::SetSignalSpeed (
            G4double val ) [inline]
```

6.26.2.10 SetTimeToDigiConv()

```
void InoDigiAlg::SetTimeToDigiConv (
            G4double val ) [inline]
```

6.26.2.11 SetUnCorrTimeSmear()

```
void InoDigiAlg::SetUnCorrTimeSmear (
            G4double val ) [inline]
```

6.26.2.12 SetUnCorrXInefficiency()

```
void InoDigiAlg::SetUnCorrXInefficiency (
            G4double val ) [inline]
```

6.26.2.13 SetUnCorrYInefficiency()

```
void InoDigiAlg::SetUnCorrYInefficiency (
            G4double val ) [inline]
```

6.26.3 Member Data Documentation

6.26.3.1 inocal0hit_pointer

InoCal0Hit_Manager* InoDigiAlg::inocal0hit_pointer

6.26.3.2 inoStripX_pointer

InoStripX_Manager* InoDigiAlg::inoStripX_pointer

6.26.3.3 inoStripY_pointer

InoStripY_Manager* InoDigiAlg::inoStripY_pointer

The documentation for this class was generated from the following files:

- inc/InoDigiAlg.hh
- src/InoDigiAlg.cc

6.27 InoFittedTrack Class Reference

```
#include <InoFittedTrack.h>
```

Collaboration diagram for InoFittedTrack:

Public Member Functions

- InoFittedTrack ()
- std::ostream & FormatToOStream (std::ostream &os, Option_t ∗option="") const
- InoFittedTrack (InoTrack &ah)
- InoFittedTrack (const InoFittedTrack &rhs)
- ∼InoFittedTrack ()
- void CreateLocalHandle ()

Protected Attributes

- Double_t fEMCharge
- Double_t fChi2
- Double_t fMomentumCurve
- Double_t fMomentumRange
- Bool_t fPass
- Double_t fBave
- Int_t fNDOF
- Double_t fCPUTime
- Double_t fVtxQPError
- Int_t fNIterate
- Double_t fVtxUError
- Double_t fVtxVError
- Double_t fVtxdUError
- Double_t fVtxdVError
- Double_t fEndQP
- Double_t fEndQPError
- Double_t fEndUError
- Double_t fEndVError
- Double_t fEnddUError
- Double_t fEnddVError
- Int_t fNSwimFail
- map< Int_t, Float_t > fPlaneQP
- map< Int_t, Float_t > fPlaneChi2
- InoTrackCand ∗ fTrackCand
- InoTrack ∗ fTrack

6.27.1 Constructor & Destructor Documentation

6.27.1.1 InoFittedTrack() [1/3]

```
InoFittedTrack::InoFittedTrack ( )
```

6.27.1.2 InoFittedTrack() [2/3]

```
InoFittedTrack::InoFittedTrack (
            InoTrack & ah )
```

6.27.1.3 InoFittedTrack() [3/3]

```
InoFittedTrack::InoFittedTrack (
            const InoFittedTrack & rhs )
```

6.27.1.4 ∼InoFittedTrack()

```
InoFittedTrack::∼InoFittedTrack ( )
```

6.27.2 Member Function Documentation

6.27.2.1 CreateLocalHandle()

```
void InoFittedTrack::CreateLocalHandle ( )
```

6.27.2.2 FormatToOStream()

```
std::ostream & InoFittedTrack::FormatToOStream (
            std::ostream & os,
            Option_t * option = "" ) const
```

6.27.3 Member Data Documentation

6.27.3.1 fBave

```
Double_t InoFittedTrack::fBave  [protected]
```

6.27.3.2 fChi2

```
Double_t InoFittedTrack::fChi2  [protected]
```

6.27.3.3 fCPUTime

```
Double_t InoFittedTrack::fCPUTime  [protected]
```

6.27.3.4 fEMCharge

```
Double_t InoFittedTrack::fEMCharge  [protected]
```

6.27.3.5 fEnddUError

```
Double_t InoFittedTrack::fEnddUError  [protected]
```

6.27.3.6 fEnddVError

```
Double_t InoFittedTrack::fEnddVError  [protected]
```

6.27.3.7 fEndQP

```
Double_t InoFittedTrack::fEndQP  [protected]
```

6.27.3.8 fEndQPError

```
Double_t InoFittedTrack::fEndQPError  [protected]
```

6.27.3.9 fEndUError

```
Double_t InoFittedTrack::fEndUError  [protected]
```

6.27.3.10 fEndVError

```
Double_t InoFittedTrack::fEndVError  [protected]
```

6.27.3.11 fMomentumCurve

```
Double_t InoFittedTrack::fMomentumCurve  [protected]
```

6.27.3.12 fMomentumRange

```
Double_t InoFittedTrack::fMomentumRange  [protected]
```

6.27.3.13 fNDOF

```
Int_t InoFittedTrack::fNDOF  [protected]
```

6.27.3.14 fNIterate

```
Int_t InoFittedTrack::fNIterate  [protected]
```

6.27.3.15 fNSwimFail

```
Int_t InoFittedTrack::fNSwimFail  [protected]
```

6.27.3.16 fPass

```
Bool_t InoFittedTrack::fPass  [protected]
```

6.27.3.17 fPlaneChi2

map<Int_t,Float_t> InoFittedTrack::fPlaneChi2 [mutable], [protected]

6.27.3.18 fPlaneQP

map<Int_t,Float_t> InoFittedTrack::fPlaneQP [mutable], [protected]

6.27.3.19 fTrack

InoTrack* InoFittedTrack::fTrack [protected]

6.27.3.20 fTrackCand

InoTrackCand* InoFittedTrack::fTrackCand [protected]

6.27.3.21 fVtxdUError

Double_t InoFittedTrack::fVtxdUError [protected]

6.27.3.22 fVtxdVError

Double_t InoFittedTrack::fVtxdVError [protected]

6.27.3.23 fVtxQPError

Double_t InoFittedTrack::fVtxQPError [protected]

6.27.3.24 fVtxUError

Double_t InoFittedTrack::fVtxUError [protected]

6.27.3.25 fVtxVError

```
Double_t InoFittedTrack::fVtxVError  [protected]
```

The documentation for this class was generated from the following files:

- inc/InoFittedTrack.h
- src/InoFittedTrack.cc

6.28 InoFittedTrack_Manager Class Reference

```
#include <vect_manager.h>
```

Collaboration diagram for InoFittedTrack_Manager:

Public Member Functions

- InoFittedTrack_Manager ()
- ∼InoFittedTrack_Manager ()

Public Attributes

- vector< InoFittedTrack ∗ > InoFittedTrack_list

Static Public Attributes

- static InoFittedTrack_Manager ∗ APointer

6.28.1 Constructor & Destructor Documentation

6.28.1.1 InoFittedTrack_Manager()

```
InoFittedTrack_Manager::InoFittedTrack_Manager ( )
```

6.28.1.2 ∼InoFittedTrack_Manager()

```
InoFittedTrack_Manager::∼InoFittedTrack_Manager ( )
```

6.28.2 Member Data Documentation

6.28.2.1 APointer

[InoFittedTrack_Manager](#) * InoFittedTrack_Manager::APointer [static]

6.28.2.2 InoFittedTrack_list

vector<[InoFittedTrack](#)*> InoFittedTrack_Manager::InoFittedTrack_list

The documentation for this class was generated from the following files:

- inc/[vect_manager.h](#)
- src/[vect_manager.cc](#)

6.29 InoGeometry_Manager Class Reference

#include <vect_manager.h>

Collaboration diagram for InoGeometry_Manager:

Public Member Functions

- [InoGeometry_Manager](#) (G4String geoFiles)
- [~InoGeometry_Manager](#) ()

Public Attributes

- TGeoManager * [icalGeometry](#)

Static Public Attributes

- static [InoGeometry_Manager](#) * [APointer](#)

6.29.1 Constructor & Destructor Documentation

6.29.1.1 InoGeometry_Manager()

```
InoGeometry_Manager::InoGeometry_Manager (
            G4String geoFiles )
```

6.29.1.2 ∼InoGeometry_Manager()

```
InoGeometry_Manager::∼InoGeometry_Manager ( )
```

6.29.2 Member Data Documentation

6.29.2.1 APointer

InoGeometry_Manager * InoGeometry_Manager::APointer [static]

6.29.2.2 icalGeometry

```
TGeoManager* InoGeometry_Manager::icalGeometry
```

The documentation for this class was generated from the following files:

- inc/vect_manager.h
- src/vect_manager.cc

6.30 InoHit Class Reference

```
#include <InoHit.h>
```

Public Member Functions

- InoHit ()
- InoHit (InoStrip ∗fx, InoStrip ∗fy)
- InoHit (InoStrip ∗fx)
- InoHit (InoHit ∗hit)
- ∼InoHit ()
- InoStrip ∗ GetXStrip () const
- InoStrip ∗ GetYStrip () const
- double GetPulse () const
- void SetXtOffset (double q)
- void SetYtOffset (double q)
- void SetXpOffset (double q)
- void SetYpOffset (double q)
- double GetXPulse () const
- void SetXPulse (double q)
- double GetYPulse () const
- void SetYPulse (double q)
- int GetXPlane () const
- void SetXPlane (int Plane)
- int GetYPlane () const
- void SetYPlane (int Plane)
- int GetXStripNum () const
- void SetXStripNum (int strip)
- int GetYStripNum () const
- void SetYStripNum (int strip)
- int GetRPCmod () const
- int isNoiseHit () const
- double GetTime () const
- double GetXTime () const
- double GetYTime () const
- double GetXTimeCorr () const
- double GetYTimeCorr () const
- double GetXTrueTime () const
- double GetYTrueTime () const
- int GetXpdgId () const
- int GetYpdgId () const
- double GetXPos () const
- double GetYPos () const
- void SetXPos (double tpos)
- double GetXPosErr () const
- void SetYPos (double tpos)
- double GetYPosErr () const
- int GetTrkFlag () const
- void SetTrkFlag (int flag)
- int GetShwFlag () const
- void SetShwFlag (int flag)
- int GetUID () const
- void SetUID (int uid)
- double GetZPos () const
- void SetZPos (double zpos)
- int GetZPlane () const
- void SetZPlane (int zpl)
- int GetView () const
- void SetView (int zpl)

- int IsDiffuseShwAssoc (InoHit ∗hit) const
- int IsShwAssoc (InoHit ∗hit) const
- void SetMomentum (double f)
- void SetTheta (double f)
- void SetPhi (double f)
- double GetMomentum ()
- double GetTheta ()
- double GetPhi ()
- bool isIdentical (InoHit ∗hit)

6.30.1 Constructor & Destructor Documentation

6.30.1.1 InoHit() [1/4]

```
InoHit::InoHit ( )
```

6.30.1.2 InoHit() [2/4]

```
InoHit::InoHit (
            InoStrip * fx,
            InoStrip * fy )
```

6.30.1.3 InoHit() [3/4]

```
InoHit::InoHit (
            InoStrip * fx )
```

6.30.1.4 InoHit() [4/4]

```
InoHit::InoHit (
            InoHit * hit )
```

6.30.1.5 ∼InoHit()

```
InoHit::∼InoHit ( )
```

6.30.2 Member Function Documentation

6.30.2.1 GetMomentum()

```
double InoHit::GetMomentum ( )  [inline]
```

6.30.2.2 GetPhi()

```
double InoHit::GetPhi ( )  [inline]
```

6.30.2.3 GetPulse()

```
double InoHit::GetPulse ( ) const  [inline]
```

6.30.2.4 GetRPCmod()

```
int InoHit::GetRPCmod ( ) const
```

6.30.2.5 GetShwFlag()

```
int InoHit::GetShwFlag ( ) const  [inline]
```

6.30.2.6 GetTheta()

```
double InoHit::GetTheta ( )  [inline]
```

6.30.2.7 GetTime()

```
double InoHit::GetTime ( ) const
```

6.30.2.8 GetTrkFlag()

```
int InoHit::GetTrkFlag ( ) const  [inline]
```

6.30.2.9 GetUID()

```
int InoHit::GetUID ( ) const  [inline]
```

6.30.2.10 GetView()

```
int InoHit::GetView ( ) const  [inline]
```

6.30.2.11 GetXpdgId()

```
int InoHit::GetXpdgId ( ) const  [inline]
```

6.30.2.12 GetXPlane()

```
int InoHit::GetXPlane ( ) const  [inline]
```

6.30.2.13 GetXPos()

```
double InoHit::GetXPos ( ) const  [inline]
```

6.30.2.14 GetXPosErr()

```
double InoHit::GetXPosErr ( ) const  [inline]
```

6.30.2.15 GetXPulse()

```
double InoHit::GetXPulse ( ) const  [inline]
```

6.30.2.16 GetXStrip()

[InoStrip](#)* InoHit::GetXStrip ( ) const [inline]

6.30.2.17 GetXStripNum()

int InoHit::GetXStripNum ( ) const [inline]

6.30.2.18 GetXTime()

double InoHit::GetXTime ( ) const [inline]

6.30.2.19 GetXTimeCorr()

double InoHit::GetXTimeCorr ( ) const

6.30.2.20 GetXTrueTime()

double InoHit::GetXTrueTime ( ) const [inline]

6.30.2.21 GetYpdgId()

int InoHit::GetYpdgId ( ) const [inline]

6.30.2.22 GetYPlane()

int InoHit::GetYPlane ( ) const [inline]

6.30.2.23 GetYPos()

double InoHit::GetYPos ( ) const [inline]

6.30.2.24 GetYPosErr()

double InoHit::GetYPosErr ( ) const [inline]

6.30.2.25 GetYPulse()

double InoHit::GetYPulse ( ) const [inline]

6.30.2.26 GetYStrip()

[InoStrip](#)* InoHit::GetYStrip ( ) const [inline]

6.30.2.27 GetYStripNum()

int InoHit::GetYStripNum ( ) const [inline]

6.30.2.28 GetYTime()

double InoHit::GetYTime ( ) const [inline]

6.30.2.29 GetYTimeCorr()

double InoHit::GetYTimeCorr ( ) const

6.30.2.30 GetYTrueTime()

double InoHit::GetYTrueTime ( ) const [inline]

6.30.2.31 GetZPlane()

int InoHit::GetZPlane ( ) const [inline]

6.30.2.32 GetZPos()

```
double InoHit::GetZPos ( ) const  [inline]
```

6.30.2.33 IsDiffuseShwAssoc()

```
int InoHit::IsDiffuseShwAssoc (
            InoHit * hit ) const
```

6.30.2.34 isIdentical()

```
bool InoHit::isIdentical (
            InoHit * hit )
```

6.30.2.35 isNoiseHit()

```
int InoHit::isNoiseHit ( ) const
```

6.30.2.36 IsShwAssoc()

```
int InoHit::IsShwAssoc (
            InoHit * hit ) const
```

6.30.2.37 SetMomentum()

```
void InoHit::SetMomentum (
            double f ) [inline]
```

6.30.2.38 SetPhi()

```
void InoHit::SetPhi (
            double f ) [inline]
```

6.30.2.39 SetShwFlag()

```
void InoHit::SetShwFlag (
            int flag ) [inline]
```

6.30.2.40 SetTheta()

```
void InoHit::SetTheta (
            double f ) [inline]
```

6.30.2.41 SetTrkFlag()

```
void InoHit::SetTrkFlag (
            int flag ) [inline]
```

6.30.2.42 SetUID()

```
void InoHit::SetUID (
            int uid ) [inline]
```

6.30.2.43 SetView()

```
void InoHit::SetView (
            int zpl ) [inline]
```

6.30.2.44 SetXPlane()

```
void InoHit::SetXPlane (
            int Plane ) [inline]
```

6.30.2.45 SetXpOffset()

```
void InoHit::SetXpOffset (
            double q ) [inline]
```

6.30.2.46 SetXPos()

```
void InoHit::SetXPos (
            double tpos ) [inline]
```

6.30.2.47 SetXPulse()

```
void InoHit::SetXPulse (
            double q ) [inline]
```

6.30.2.48 SetXStripNum()

```
void InoHit::SetXStripNum (
            int strip ) [inline]
```

6.30.2.49 SetXtOffset()

```
void InoHit::SetXtOffset (
            double q ) [inline]
```

6.30.2.50 SetYPlane()

```
void InoHit::SetYPlane (
            int Plane ) [inline]
```

6.30.2.51 SetYpOffset()

```
void InoHit::SetYpOffset (
            double q ) [inline]
```

6.30.2.52 SetYPos()

```
void InoHit::SetYPos (
            double tpos ) [inline]
```

6.30.2.53 SetYPulse()

```
void InoHit::SetYPulse (
            double q ) [inline]
```

6.30.2.54 SetYStripNum()

```
void InoHit::SetYStripNum (
            int strip ) [inline]
```

6.30.2.55 SetYtOffset()

```
void InoHit::SetYtOffset (
            double q ) [inline]
```

6.30.2.56 SetZPlane()

```
void InoHit::SetZPlane (
            int zpl ) [inline]
```

6.30.2.57 SetZPos()

```
void InoHit::SetZPos (
            double zpos ) [inline]
```

The documentation for this class was generated from the following files:

- inc/InoHit.h
- src/InoHit.cc

6.31 InoHit_Manager Class Reference

```
#include <vect_manager.h>
```

Collaboration diagram for InoHit_Manager:

Public Member Functions

- InoHit_Manager ()
- ∼InoHit_Manager ()

Public Attributes

- vector< InoHit ∗ > InoHit_list

Static Public Attributes

- static InoHit_Manager ∗ APointer

6.31.1 Constructor & Destructor Documentation

6.31.1.1 InoHit_Manager()

```
InoHit_Manager::InoHit_Manager ( )
```

6.31.1.2 ∼InoHit_Manager()

```
InoHit_Manager::∼InoHit_Manager ( )
```

6.31.2 Member Data Documentation

6.31.2.1 APointer

```
InoHit_Manager ∗ InoHit_Manager::APointer  [static]
```

6.31.2.2 InoHit_list

```
vector<InoHit∗> InoHit_Manager::InoHit_list
```

The documentation for this class was generated from the following files:

- inc/vect_manager.h
- src/vect_manager.cc

6.32 InoLinearTrackFitAlg Class Reference

`#include <InoLinearTrackFitAlg.h>`

Public Member Functions

- InoLinearTrackFitAlg ()
- virtual ∼InoLinearTrackFitAlg ()
- virtual void RunAlg ()
- void Initialise ()
- void RunTheFitter ()

6.32.1 Constructor & Destructor Documentation

6.32.1.1 InoLinearTrackFitAlg()

`InoLinearTrackFitAlg::InoLinearTrackFitAlg ( )`

6.32.1.2 ∼InoLinearTrackFitAlg()

`InoLinearTrackFitAlg::∼InoLinearTrackFitAlg ( )  [virtual]`

6.32.2 Member Function Documentation

6.32.2.1 Initialise()

`void InoLinearTrackFitAlg::Initialise ( )`

6.32.2.2 RunAlg()

`void InoLinearTrackFitAlg::RunAlg ( )  [virtual]`

6.32.2.3 RunTheFitter()

```
void InoLinearTrackFitAlg::RunTheFitter ( )
```

The documentation for this class was generated from the following files:

- inc/InoLinearTrackFitAlg.h
- src/InoLinearTrackFitAlg.cc

6.33 InoMuRange Class Reference

```
#include <InoMuRange.h>
```

Public Member Functions

- InoMuRange ()
- virtual ~InoMuRange ()
- double MaterialMuRange (double Z, double P)
- double FirstDerivative (double RangeZ, double Z)
- double SecndDerivative (double RangeZ, double Z)
- double ThirdDerivative (double RangeZ, double Z)
- double FourthDerivative (double RangeZ, double Z)

Public Attributes

- TSpline3 ∗ Spline1D_CGr
- TSpline3 ∗ RGrInP
- TSpline3 ∗ Spline1D_Alu
- TSpline3 ∗ RAlInP
- TSpline3 ∗ Spline1D_Gls
- TSpline3 ∗ RGlInP
- TSpline3 ∗ Spline1D_Irn
- TSpline3 ∗ RIrInP
- TSpline3 ∗ Spline1D_Cop
- TSpline3 ∗ RCuInP

6.33.1 Constructor & Destructor Documentation

6.33.1.1 InoMuRange()

```
InoMuRange::InoMuRange ( )
```

6.33.1.2 ∼InoMuRange()

```
InoMuRange::∼InoMuRange ( )    [virtual]
```

6.33.2 Member Function Documentation

6.33.2.1 FirstDerivative()

```
double InoMuRange::FirstDerivative (
            double RangeZ,
            double Z )
```

6.33.2.2 FourthDerivative()

```
double InoMuRange::FourthDerivative (
            double RangeZ,
            double Z )
```

6.33.2.3 MaterialMuRange()

```
double InoMuRange::MaterialMuRange (
            double Z,
            double P )
```

6.33.2.4 SecndDerivative()

```
double InoMuRange::SecndDerivative (
            double RangeZ,
            double Z )
```

6.33.2.5 ThirdDerivative()

```
double InoMuRange::ThirdDerivative (
            double RangeZ,
            double Z )
```

6.33.3 Member Data Documentation

6.33.3.1 RAlInP

```
TSpline3* InoMuRange::RAlInP
```

6.33.3.2 RCuInP

```
TSpline3* InoMuRange::RCuInP
```

6.33.3.3 RGlInP

```
TSpline3* InoMuRange::RGlInP
```

6.33.3.4 RGrInP

```
TSpline3* InoMuRange::RGrInP
```

6.33.3.5 RIrInP

```
TSpline3* InoMuRange::RIrInP
```

6.33.3.6 Spline1D_Alu

```
TSpline3* InoMuRange::Spline1D_Alu
```

6.33.3.7 Spline1D_CGr

```
TSpline3* InoMuRange::Spline1D_CGr
```

6.33.3.8 Spline1D_Cop

```
TSpline3* InoMuRange::Spline1D_Cop
```

6.33.3.9 Spline1D_Gls

```
TSpline3* InoMuRange::Spline1D_Gls
```

6.33.3.10 Spline1D_Irn

```
TSpline3* InoMuRange::Spline1D_Irn
```

The documentation for this class was generated from the following files:

- inc/InoMuRange.h
- src/InoMuRange.cc

6.34 InoNewFitAlg Class Reference

```
#include <InoNewFitAlg.h>
```

Public Member Functions

- InoNewFitAlg ()
- InoNewFitAlg (double ∗psvVtx, double ∗mpts, double ∗mptserr, double ∗mptsz, int ∗occu, int nmiss, int vtxp, bool TrkDir)
- bool DoIterations ()
- double GetFinalStateVectorElement (int ix)
- double GetFinalStateVectorError (int ix)
- ∼InoNewFitAlg ()
- bool Swim (double ∗StateVector, double ∗Output, const int Plane, int &NewPlane, const bool GoForward)
- void GetNoiseMatrix (const int Plane, const int NewPlane)

6.34.1 Constructor & Destructor Documentation

6.34.1.1 InoNewFitAlg() [1/2]

```
InoNewFitAlg::InoNewFitAlg ( )
```

6.34.1.2 InoNewFitAlg() [2/2]

```
InoNewFitAlg::InoNewFitAlg (
            double * psvVtx,
            double * mpts,
            double * mptserr,
            double * mptsz,
            int * occu,
            int nmiss,
            int vtxp,
            bool TrkDir )
```

6.34.1.3 ∼InoNewFitAlg()

```
InoNewFitAlg::∼InoNewFitAlg ( )
```

6.34.2 Member Function Documentation

6.34.2.1 DoIterations()

```
bool InoNewFitAlg::DoIterations ( )
```

6.34.2.2 GetFinalStateVectorElement()

```
double InoNewFitAlg::GetFinalStateVectorElement (
            int ix ) [inline]
```

6.34.2.3 GetFinalStateVectorError()

```
double InoNewFitAlg::GetFinalStateVectorError (
            int ix )
```

6.34.2.4 GetNoiseMatrix()

```
void InoNewFitAlg::GetNoiseMatrix (
            const int Plane,
            const int NewPlane )
```

6.34.2.5 Swim()

```
bool InoNewFitAlg::Swim (
            double * StateVector,
            double * Output,
            const int Plane,
            int & NewPlane,
            const bool GoForward )
```

The documentation for this class was generated from the following files:

- inc/InoNewFitAlg.h
- src/InoNewFitAlg.cc

6.35 InoNewTrackFitAlg Class Reference

```
#include <InoNewTrackFitAlg.h>
```

Classes

- struct ClustStruct
- struct FiltDataStruct
- struct TrkDataStruct

Public Member Functions

- InoNewTrackFitAlg ()
- virtual ∼InoNewTrackFitAlg ()
- virtual void RunAlg ()
- void InitialFramework ()
- void RunTheFitter ()
- void StoreFilteredData (const int NewPlane)
- void StoreFilteredData_sr (const int NewPlane, double ∗, bool)
- void FillGapsInTrack ()
- void GetFitData (int &Plane1, int &Plane2)
- void ShowerStrips ()
- void RemoveTrkHitsInShw ()
- void ShowerSwim ()
- void GoBackwards (const bool first)
- void GoForwards (const bool first)
- void GetPropagator (double ∗istate, double Bx, double By, double dBxbx, double dBxdy, double dBydx, double dBydy, double dz, TGeoMaterial ∗material)
- bool Swim (double ∗StateVector, double ∗Output, const int Plane, const int NewPlane, const bool GoForward, double ∗dS=0, double ∗Range=0, double ∗dE=0)
- bool Swim (double ∗StateVector, double ∗Output, const double zbeg, const int NewPlane, const bool Go↩ Forward, double ∗dS=0, double ∗Range=0, double ∗dE=0)
- bool Swim (double ∗StateVector, double ∗Output, const int Plane, const double zend, const bool GoForward, double ∗dS=0, double ∗Range=0, double ∗dE=0)
- bool Swim_new (double ∗StateVector, double ∗Output, const int Plane, int &NewPlane, const bool Go↩ Forward, double ∗dS=0, double ∗Range=0, double ∗dE=0)

- void [TrackElementMerging](double ∗Tr1, double TargetZ, double ∗Tr2)
- void [GetInitialCovarianceMatrix](const bool FirstIteration)
- bool [PredictedStateCov](double ∗StateVector, const int Plane, int &NewPlane, const bool GoForward, double ∗ax__minus, int isHalf=0, double ∗dS=0, double ∗Range=0)
- double [GetEnergyLoss](double ∗istate, double dz, double &axi, double &aT_max, double &aI, TGeoMaterial ∗material)
- void [GetMultipleScattering](double ∗mstate, double Bx, double By, double dz, double aT_max, double aI, TGeoMaterial ∗material)
- void [ExtrapCovMatrix]()
- void [ExtrapCovMatrixall]()
- void [CalcKalmanGain](double ∗x__minus, const int NewPlane)
- void [KalmanFilterStateVector](double ∗x__minus, const int Plane, const bool GoForward, double ∗xk)
- void [UpdateCovMatrix](const int NewPlane)
- void [MoveArrays](const int NewPlane, const bool GoForward)
- void [SetTrackProperties](double ∗Input, double ∗input2, double ∗input3)
- void [TimingFit]()
- virtual void [Trace](const char ∗c) const
- void [ResetCovarianceMatrix]()
- void [SetT]()
- void [CalculateTrace]()
- bool [DirectionFromFinderHits]([InoTrack] ∗trk, double &FinderPathLength, double &FinderDistance)
- bool [DirectionFromFinderHitsOldFunc]([InoTrack] ∗trk, double &FinderPathLength, double &FinderDistance)
- bool [CheckFCPC](double ∗x_k, bool GoForward)
- int [CheckFCPCUpOrDn](double ∗x_k, bool DirExtraPol, int MaxMinPlane, bool GoDir)
- [InoNewTrackFitAlg]()
- virtual [∼InoNewTrackFitAlg]()
- virtual void [RunAlg]()
- void [InitialFramework]()
- void [RunTheFitter]()
- void [StoreFilteredData](const int NewPlane)
- void [StoreFilteredData_sr](const int NewPlane, double ∗, bool)
- void [FillGapsInTrack]()
- void [GetFitData](int &Plane1, int &Plane2)
- void [ShowerStrips]()
- void [RemoveTrkHitsInShw]()
- void [ShowerSwim]()
- void [GoBackwards](const bool first)
- void [GoForwards](const bool first)
- void [GetPropagator](double ∗istate, double Bx, double By, double dBxbx, double dBxdy, double dBydx, double dBydy, double dz, TGeoMaterial ∗material)
- bool [Swim](double ∗StateVector, double ∗Output, const int Plane, const int NewPlane, const bool GoForward, double ∗dS=0, double ∗Range=0, double ∗dE=0)
- bool [Swim](double ∗StateVector, double ∗Output, const double zbeg, const int NewPlane, const bool Go↩Forward, double ∗dS=0, double ∗Range=0, double ∗dE=0)
- bool [Swim](double ∗StateVector, double ∗Output, const int Plane, const double zend, const bool GoForward, double ∗dS=0, double ∗Range=0, double ∗dE=0)
- bool [Swim_new](double ∗StateVector, double ∗Output, const int Plane, int &NewPlane, const bool Go↩Forward, double ∗dS=0, double ∗Range=0, double ∗dE=0)
- void [TrackElementMerging](double ∗Tr1, double TargetZ, double ∗Tr2)
- void [GetInitialCovarianceMatrix](const bool FirstIteration)
- bool [PredictedStateCov](double ∗StateVector, const int Plane, int &NewPlane, const bool GoForward, double ∗ax__minus, int isHalf=0, double ∗dS=0, double ∗Range=0)
- double [GetEnergyLoss](double ∗istate, double dz, double &axi, double &aT_max, double &aI, TGeoMaterial ∗material)

- void [GetMultipleScattering](double ∗mstate, double Bx, double By, double dz, double aT_max, double aI, TGeoMaterial ∗material)
- void [ExtrapCovMatrix](()
- void [ExtrapCovMatrixall](()
- void [CalcKalmanGain](double ∗x__minus, const int NewPlane)
- void [KalmanFilterStateVector](double ∗x__minus, const int Plane, const bool GoForward, double ∗xk)
- void [UpdateCovMatrix](const int NewPlane)
- void [MoveArrays](const int NewPlane, const bool GoForward)
- void [SetTrackProperties](double ∗Input, double ∗input2)
- void [TimingFit](()
- virtual void [Trace](const char ∗c) const
- void [ResetCovarianceMatrix](()
- void [SetT](()
- void [CalculateTrace](()
- bool [DirectionFromFinderHits]([InoTrack](∗trk, double &FinderPathLength, double &FinderDistance)
- bool [DirectionFromFinderHitsOldFunc]([InoTrack](∗trk, double &FinderPathLength, double &FinderDistance)
- bool [CheckFCPC](double ∗x_k, bool GoForward)
- int [CheckFCPCUpOrDn](double ∗x_k, bool DirExtraPol, int MaxMinPlane, bool GoDir)

Static Public Attributes

- static const unsigned int [doubleLa](=10
- static const unsigned int [shiftLa](=250

6.35.1 Constructor & Destructor Documentation

6.35.1.1 InoNewTrackFitAlg() [1/2]

```
InoNewTrackFitAlg::InoNewTrackFitAlg ( )
```

6.35.1.2 ∼InoNewTrackFitAlg() [1/2]

```
InoNewTrackFitAlg::∼InoNewTrackFitAlg ( )  [virtual]
```

6.35.1.3 InoNewTrackFitAlg() [2/2]

```
InoNewTrackFitAlg::InoNewTrackFitAlg ( )
```

6.35.1.4 ∼InoNewTrackFitAlg() [2/2]

```
virtual InoNewTrackFitAlg::∼InoNewTrackFitAlg ( )  [virtual]
```

6.35.2 Member Function Documentation

6.35.2.1 CalcKalmanGain() [1/2]

```
void InoNewTrackFitAlg::CalcKalmanGain (
            double * x__minus,
            const int NewPlane )
```

6.35.2.2 CalcKalmanGain() [2/2]

```
void InoNewTrackFitAlg::CalcKalmanGain (
            double * x__minus,
            const int NewPlane )
```

6.35.2.3 CalculateTrace() [1/2]

```
void InoNewTrackFitAlg::CalculateTrace ( )  [inline]
```

6.35.2.4 CalculateTrace() [2/2]

```
void InoNewTrackFitAlg::CalculateTrace ( )  [inline]
```

6.35.2.5 CheckFCPC() [1/2]

```
bool InoNewTrackFitAlg::CheckFCPC (
            double * x_k,
            bool GoForward )
```

6.35.2.6 CheckFCPC() [2/2]

```
bool InoNewTrackFitAlg::CheckFCPC (
            double * x_k,
            bool GoForward )
```

6.35.2.7 CheckFCPCUpOrDn() [1/2]

```
int InoNewTrackFitAlg::CheckFCPCUpOrDn (
            double * x_k,
            bool DirExtraPol,
            int MaxMinPlane,
            bool GoDir )
```

6.35.2.8 CheckFCPCUpOrDn() [2/2]

```
int InoNewTrackFitAlg::CheckFCPCUpOrDn (
            double * x_k,
            bool DirExtraPol,
            int MaxMinPlane,
            bool GoDir )
```

6.35.2.9 DirectionFromFinderHits() [1/2]

```
bool InoNewTrackFitAlg::DirectionFromFinderHits (
            InoTrack * trk,
            double & FinderPathLength,
            double & FinderDistance )
```

6.35.2.10 DirectionFromFinderHits() [2/2]

```
bool InoNewTrackFitAlg::DirectionFromFinderHits (
            InoTrack * trk,
            double & FinderPathLength,
            double & FinderDistance )
```

6.35.2.11 DirectionFromFinderHitsOldFunc() [1/2]

```
bool InoNewTrackFitAlg::DirectionFromFinderHitsOldFunc (
            InoTrack * trk,
            double & FinderPathLength,
            double & FinderDistance )
```

6.35.2.12 DirectionFromFinderHitsOldFunc() [2/2]

```
bool InoNewTrackFitAlg::DirectionFromFinderHitsOldFunc (
            InoTrack * trk,
            double & FinderPathLength,
            double & FinderDistance )
```

6.35.2.13 ExtrapCovMatrix() [1/2]

```
void InoNewTrackFitAlg::ExtrapCovMatrix ( )
```

6.35.2.14 ExtrapCovMatrix() [2/2]

```
void InoNewTrackFitAlg::ExtrapCovMatrix ( )
```

6.35.2.15 ExtrapCovMatrixall() [1/2]

```
void InoNewTrackFitAlg::ExtrapCovMatrixall ( )
```

6.35.2.16 ExtrapCovMatrixall() [2/2]

```
void InoNewTrackFitAlg::ExtrapCovMatrixall ( )
```

6.35.2.17 FillGapsInTrack() [1/2]

```
void InoNewTrackFitAlg::FillGapsInTrack ( )
```

6.35.2.18 FillGapsInTrack() [2/2]

```
void InoNewTrackFitAlg::FillGapsInTrack ( )
```

6.35.2.19 GetEnergyLoss() [1/2]

```
double InoNewTrackFitAlg::GetEnergyLoss (
            double * istate,
            double dz,
            double & axi,
            double & aT_max,
            double & aI,
            TGeoMaterial * material )
```

6.35.2.20 GetEnergyLoss() [2/2]

```
double InoNewTrackFitAlg::GetEnergyLoss (
            double * istate,
            double dz,
            double & axi,
            double & aT_max,
            double & aI,
            TGeoMaterial * material )
```

6.35.2.21 GetFitData() [1/2]

```
void InoNewTrackFitAlg::GetFitData (
            int & Plane1,
            int & Plane2 )
```

6.35.2.22 GetFitData() [2/2]

```
void InoNewTrackFitAlg::GetFitData (
            int & Plane1,
            int & Plane2 )
```

6.35.2.23 GetInitialCovarianceMatrix() [1/2]

```
void InoNewTrackFitAlg::GetInitialCovarianceMatrix (
            const bool FirstIteration )
```

6.35.2.24 GetInitialCovarianceMatrix() [2/2]

```
void InoNewTrackFitAlg::GetInitialCovarianceMatrix (
            const bool FirstIteration )
```

6.35.2.25 GetMultipleScattering() [1/2]

```
void InoNewTrackFitAlg::GetMultipleScattering (
            double * mstate,
            double Bx,
            double By,
            double dz,
            double aT_max,
            double aI,
            TGeoMaterial * material )
```

6.35.2.26 GetMultipleScattering() [2/2]

```
void InoNewTrackFitAlg::GetMultipleScattering (
            double * mstate,
            double Bx,
            double By,
            double dz,
            double aT_max,
            double aI,
            TGeoMaterial * material )
```

6.35.2.27 GetPropagator() [1/2]

```
void InoNewTrackFitAlg::GetPropagator (
            double * istate,
            double Bx,
            double By,
            double dBxbx,
            double dBxdy,
            double dBydx,
            double dBydy,
            double dz,
            TGeoMaterial * material )
```

6.35.2.28 GetPropagator() [2/2]

```
void InoNewTrackFitAlg::GetPropagator (
            double * istate,
            double Bx,
            double By,
            double dBxbx,
            double dBxdy,
            double dBydx,
            double dBydy,
            double dz,
            TGeoMaterial * material )
```

6.35.2.29 GoBackwards() [1/2]

```
void InoNewTrackFitAlg::GoBackwards (
            const bool first )
```

6.35.2.30 GoBackwards() [2/2]

```
void InoNewTrackFitAlg::GoBackwards (
            const bool first )
```

6.35.2.31 GoForwards() [1/2]

```
void InoNewTrackFitAlg::GoForwards (
            const bool first )
```

6.35.2.32 GoForwards() [2/2]

```
void InoNewTrackFitAlg::GoForwards (
            const bool first )
```

6.35.2.33 InitialFramework() [1/2]

```
void InoNewTrackFitAlg::InitialFramework ( )
```

6.35.2.34 InitialFramework() [2/2]

```
void InoNewTrackFitAlg::InitialFramework ( )
```

6.35.2.35 KalmanFilterStateVector() [1/2]

```
void InoNewTrackFitAlg::KalmanFilterStateVector (
            double * x__minus,
            const int Plane,
            const bool GoForward,
            double * xk )
```

6.35.2.36 KalmanFilterStateVector() [2/2]

```
void InoNewTrackFitAlg::KalmanFilterStateVector (
            double * x__minus,
            const int Plane,
            const bool GoForward,
            double * xk )
```

6.35.2.37 MoveArrays() [1/2]

```
void InoNewTrackFitAlg::MoveArrays (
            const int NewPlane,
            const bool GoForward )
```

6.35.2.38 MoveArrays() [2/2]

```
void InoNewTrackFitAlg::MoveArrays (
            const int NewPlane,
            const bool GoForward )
```

6.35.2.39 PredictedStateCov() [1/2]

```
bool InoNewTrackFitAlg::PredictedStateCov (
            double * StateVector,
            const int Plane,
            int & NewPlane,
            const bool GoForward,
            double * ax__minus,
            int isHalf = 0,
            double * dS = 0,
            double * Range = 0 )
```

6.35.2.40 PredictedStateCov() [2/2]

```
bool InoNewTrackFitAlg::PredictedStateCov (
            double * StateVector,
            const int Plane,
            int & NewPlane,
            const bool GoForward,
            double * ax__minus,
            int isHalf = 0,
            double * dS = 0,
            double * Range = 0 )
```

6.35.2.41 RemoveTrkHitsInShw() [1/2]

```
void InoNewTrackFitAlg::RemoveTrkHitsInShw ( )
```

6.35.2.42 RemoveTrkHitsInShw() [2/2]

```
void InoNewTrackFitAlg::RemoveTrkHitsInShw ( )
```

6.35.2.43 ResetCovarianceMatrix() [1/2]

```
void InoNewTrackFitAlg::ResetCovarianceMatrix ( )
```

6.35.2.44 ResetCovarianceMatrix() [2/2]

```
void InoNewTrackFitAlg::ResetCovarianceMatrix ( )
```

6.35.2.45 RunAlg() [1/2]

```
void InoNewTrackFitAlg::RunAlg ( )  [virtual]
```

6.35.2.46 RunAlg() [2/2]

```
virtual void InoNewTrackFitAlg::RunAlg ( )  [virtual]
```

6.35.2.47 RunTheFitter() **[1/2]**

```
void InoNewTrackFitAlg::RunTheFitter ( )
```

6.35.2.48 RunTheFitter() **[2/2]**

```
void InoNewTrackFitAlg::RunTheFitter ( )
```

6.35.2.49 SetT() **[1/2]**

```
void InoNewTrackFitAlg::SetT ( )
```

6.35.2.50 SetT() **[2/2]**

```
void InoNewTrackFitAlg::SetT ( )
```

6.35.2.51 SetTrackProperties() **[1/2]**

```
void InoNewTrackFitAlg::SetTrackProperties (
          double * Input,
          double * input2 )
```

6.35.2.52 SetTrackProperties() **[2/2]**

```
void InoNewTrackFitAlg::SetTrackProperties (
          double * Input,
          double * input2,
          double * input3 )
```

6.35.2.53 ShowerStrips() **[1/2]**

```
void InoNewTrackFitAlg::ShowerStrips ( )
```

6.35.2.54 ShowerStrips() [2/2]

```
void InoNewTrackFitAlg::ShowerStrips ( )
```

6.35.2.55 ShowerSwim() [1/2]

```
void InoNewTrackFitAlg::ShowerSwim ( )
```

6.35.2.56 ShowerSwim() [2/2]

```
void InoNewTrackFitAlg::ShowerSwim ( )
```

6.35.2.57 StoreFilteredData() [1/2]

```
void InoNewTrackFitAlg::StoreFilteredData (
            const int NewPlane )
```

6.35.2.58 StoreFilteredData() [2/2]

```
void InoNewTrackFitAlg::StoreFilteredData (
            const int NewPlane )
```

6.35.2.59 StoreFilteredData_sr() [1/2]

```
void InoNewTrackFitAlg::StoreFilteredData_sr (
            const int NewPlane,
            double * prediction,
            bool str )
```

6.35.2.60 StoreFilteredData_sr() [2/2]

```
void InoNewTrackFitAlg::StoreFilteredData_sr (
            const int NewPlane,
            double * ,
            bool  )
```

6.35.2.61 Swim() [1/6]

```
bool InoNewTrackFitAlg::Swim (
            double * StateVector,
            double * Output,
            const double zbeg,
            const int NewPlane,
            const bool GoForward,
            double * dS = 0,
            double * Range = 0,
            double * dE = 0 )
```

6.35.2.62 Swim() [2/6]

```
bool InoNewTrackFitAlg::Swim (
            double * StateVector,
            double * Output,
            const double zbeg,
            const int NewPlane,
            const bool GoForward,
            double * dS = 0,
            double * Range = 0,
            double * dE = 0 )
```

6.35.2.63 Swim() [3/6]

```
bool InoNewTrackFitAlg::Swim (
            double * StateVector,
            double * Output,
            const int Plane,
            const double zend,
            const bool GoForward,
            double * dS = 0,
            double * Range = 0,
            double * dE = 0 )
```

6.35.2.64 Swim() [4/6]

```
bool InoNewTrackFitAlg::Swim (
            double * StateVector,
            double * Output,
            const int Plane,
            const double zend,
            const bool GoForward,
            double * dS = 0,
            double * Range = 0,
            double * dE = 0 )
```

6.35.2.65 Swim() `[5/6]`

```
bool InoNewTrackFitAlg::Swim (
            double * StateVector,
            double * Output,
            const int Plane,
            const int NewPlane,
            const bool GoForward,
            double * dS = 0,
            double * Range = 0,
            double * dE = 0 )
```

6.35.2.66 Swim() `[6/6]`

```
bool InoNewTrackFitAlg::Swim (
            double * StateVector,
            double * Output,
            const int Plane,
            const int NewPlane,
            const bool GoForward,
            double * dS = 0,
            double * Range = 0,
            double * dE = 0 )
```

6.35.2.67 Swim_new() `[1/2]`

```
bool InoNewTrackFitAlg::Swim_new (
            double * StateVector,
            double * Output,
            const int Plane,
            int & NewPlane,
            const bool GoForward,
            double * dS = 0,
            double * Range = 0,
            double * dE = 0 )
```

6.35.2.68 Swim_new() `[2/2]`

```
bool InoNewTrackFitAlg::Swim_new (
            double * StateVector,
            double * Output,
            const int Plane,
            int & NewPlane,
            const bool GoForward,
            double * dS = 0,
            double * Range = 0,
            double * dE = 0 )
```

6.35.2.69 TimingFit() [1/2]

```
void InoNewTrackFitAlg::TimingFit ( )
```

6.35.2.70 TimingFit() [2/2]

```
void InoNewTrackFitAlg::TimingFit ( )
```

6.35.2.71 Trace() [1/2]

```
void InoNewTrackFitAlg::Trace (
            const char * c ) const  [virtual]
```

6.35.2.72 Trace() [2/2]

```
virtual void InoNewTrackFitAlg::Trace (
            const char * c ) const  [virtual]
```

6.35.2.73 TrackElementMerging() [1/2]

```
void InoNewTrackFitAlg::TrackElementMerging (
            double * Tr1,
            double TargetZ,
            double * Tr2 )
```

6.35.2.74 TrackElementMerging() [2/2]

```
void InoNewTrackFitAlg::TrackElementMerging (
            double * Tr1,
            double TargetZ,
            double * Tr2 )
```

6.35.2.75 UpdateCovMatrix() [1/2]

```
void InoNewTrackFitAlg::UpdateCovMatrix (
            const int NewPlane )
```

6.35.2.76 UpdateCovMatrix() `[2/2]`

```
void InoNewTrackFitAlg::UpdateCovMatrix (
            const int NewPlane )
```

6.35.3 Member Data Documentation

6.35.3.1 doubleLa

```
static const unsigned int InoNewTrackFitAlg::doubleLa =10  [static]
```

6.35.3.2 shiftLa

```
static const unsigned int InoNewTrackFitAlg::shiftLa =250  [static]
```

The documentation for this class was generated from the following files:

- inc/InoNewTrackFitAlg.h
- src/InoNewTrackFitAlg.cc

6.36 InoOldTrackFitAlg Class Reference

```
#include <InoOldTrackFitAlg.h>
```

Classes

- struct ClustStruct
- struct FiltDataStruct
- struct TrkDataStruct

Public Member Functions

- InoOldTrackFitAlg ()
- virtual ~InoOldTrackFitAlg ()
- virtual void RunAlg ()
- void InitialFramework_new ()
- void RunTheFitter_new ()
- void StoreFilteredData (const int NewPlane)
- void StoreFilteredData_sr (const int NewPlane, double ∗, bool)
- void FillGapsInTrack ()
- void GetFitData_new (int &Plane1, int &Plane2)
- void ShowerStrips ()
- void RemoveTrkHitsInShw ()
- void ShowerSwim ()
- void GoBackwards_new (const bool first)
- void GoForwards_new (const bool first)
- void StraightLineFit (vector< Hep3Vector > &finder, vector< int > &loczlay, double ∗locslope, double ∗locintercpt, double ∗locchi2, int ∗locnhit)
- void simple_track_fit (vector< Hep3Vector > &finder, double &curve, double &radii, double ∗x0, double ∗locchisq, double ∗xavg, int &locnhits)
- bool GetCombiPropagator (const int Plane, const int NewPlane, const bool GoForward, double ∗ddS, double ∗ddRange)
- bool GetCombiPropagator_new (const int Plane, const int NewPlane, const bool GoForward)
- void SetBsmrGaussParameter (double bsmr)
- double GetBsmrGaussParameter ()
- bool Swim (double ∗StateVector, double ∗Output, const int Plane, const int NewPlane, const bool GoForward, double ∗dS=0, double ∗Range=0, double ∗dE=0)
- bool Swim (double ∗StateVector, double ∗Output, const double zbeg, const int NewPlane, const bool Go↩Forward, double ∗dS=0, double ∗Range=0, double ∗dE=0)
- bool Swim (double ∗StateVector, double ∗Output, const int Plane, const double zend, const bool GoForward, double ∗dS=0, double ∗Range=0, double ∗dE=0)
- bool Swim_new (double ∗StateVector, double ∗Output, const int Plane, int &NewPlane, const bool Go↩Forward, double ∗dS=0, double ∗Range=0, double ∗dE=0)
- void GetInitialCovarianceMatrix (const bool FirstIteration)
- void GetNoiseMatrix (const int Plane, const int NewPlane)
- void ExtrapCovMatrix ()
- void CalcKalmanGain (const int NewPlane)
- void UpdateStateVector (const int Plane, const int NewPlane, const bool GoForward)
- int CheckFCPCUpOrDn (double ∗ax_k, bool DirExtraPol, int MaxMinPlane, bool GoDir)
- void UpdateStateVector_new (const int Plane, const int NewPlane, double ∗Output, const bool GoForward)
- void UpdateCovMatrix ()
- void MoveArrays ()
- void CheckValues (double ∗Input, const int NewPlane)
- void SetTrackProperties (double ∗Input1, double ∗Input2, double ∗Input3)
- void SetRangeAnddS ()
- void TimingFit ()
- virtual void Trace (const char ∗c) const
- void ResetCovarianceMatrix ()
- void SetT ()
- void CalculateTrace ()
- bool DirectionFromFinderHits (InoTrack ∗trk)
- bool DirectionFromFitterHits (InoTrackCand ∗trk, int epln, double &xslope, double &xintercept, double &xexp)
- InoOldTrackFitAlg ()
- virtual ~InoOldTrackFitAlg ()
- virtual void RunAlg ()

- void InitialFramework_new ()
- void RunTheFitter_new ()
- void StoreFilteredData (const int NewPlane)
- void StoreFilteredData_sr (const int NewPlane, double ∗, bool)
- void FillGapsInTrack ()
- void GetFitData_new (int &Plane1, int &Plane2)
- void ShowerStrips ()
- void RemoveTrkHitsInShw ()
- void ShowerSwim ()
- void GoBackwards_new (const bool first)
- void GoForwards_new (const bool first)
- void StraightLineFit (vector< Hep3Vector > &finder, vector< int > &loczlay, double ∗locslope, double ∗locintercpt, double ∗locchi2, int ∗locnhit)
- void simple_track_fit (vector< Hep3Vector > &finder, double &curve, double &radii, double ∗x0, double ∗locchisq, double ∗xavg, int &locnhits)
- bool GetCombiPropagator (const int Plane, const int NewPlane, const bool GoForward, double ∗ddS, double ∗ddRange)
- bool GetCombiPropagator_new (const int Plane, const int NewPlane, const bool GoForward)
- void SetBsmrGaussParameter (double bsmr)
- double GetBsmrGaussParameter ()
- bool Swim (double ∗StateVector, double ∗Output, const int Plane, const int NewPlane, const bool GoForward, double ∗dS=0, double ∗Range=0, double ∗dE=0)
- bool Swim (double ∗StateVector, double ∗Output, const double zbeg, const int NewPlane, const bool Go←Forward, double ∗dS=0, double ∗Range=0, double ∗dE=0)
- bool Swim (double ∗StateVector, double ∗Output, const int Plane, const double zend, const bool GoForward, double ∗dS=0, double ∗Range=0, double ∗dE=0)
- bool Swim_new (double ∗StateVector, double ∗Output, const int Plane, int &NewPlane, const bool Go←Forward, double ∗dS=0, double ∗Range=0, double ∗dE=0)
- void GetInitialCovarianceMatrix (const bool FirstIteration)
- void GetNoiseMatrix (const int Plane, const int NewPlane)
- void ExtrapCovMatrix ()
- void CalcKalmanGain (const int NewPlane)
- void UpdateStateVector (const int Plane, const int NewPlane, const bool GoForward)
- int CheckFCPCUpOrDn (double ∗ax_k, bool DirExtraPol, int MaxMinPlane, bool GoDir)
- void UpdateStateVector_new (const int Plane, const int NewPlane, double ∗Output, const bool GoForward)
- void UpdateCovMatrix ()
- void MoveArrays ()
- void CheckValues (double ∗Input, const int NewPlane)
- void SetTrackProperties (double ∗Input)
- void SetRangeAnddS ()
- void TimingFit ()
- virtual void Trace (const char ∗c) const
- void ResetCovarianceMatrix ()
- void SetT ()
- void CalculateTrace ()
- bool DirectionFromFinderHits (InoTrack ∗trk)
- bool DirectionFromFitterHits (InoTrackCand ∗trk, int epln, double &xslope, double &xintercept, double &xexp)

Static Public Attributes

- static const unsigned int doubleLa =11
- static const unsigned int shiftLa =250

6.36.1 Constructor & Destructor Documentation

6.36.1.1 InoOldTrackFitAlg() [1/2]

```
InoOldTrackFitAlg::InoOldTrackFitAlg ( )
```

6.36.1.2 ∼InoOldTrackFitAlg() [1/2]

```
InoOldTrackFitAlg::∼InoOldTrackFitAlg ( )  [virtual]
```

6.36.1.3 InoOldTrackFitAlg() [2/2]

```
InoOldTrackFitAlg::InoOldTrackFitAlg ( )
```

6.36.1.4 ∼InoOldTrackFitAlg() [2/2]

```
virtual InoOldTrackFitAlg::∼InoOldTrackFitAlg ( )  [virtual]
```

6.36.2 Member Function Documentation

6.36.2.1 CalcKalmanGain() [1/2]

```
void InoOldTrackFitAlg::CalcKalmanGain (
            const int NewPlane )
```

6.36.2.2 CalcKalmanGain() [2/2]

```
void InoOldTrackFitAlg::CalcKalmanGain (
            const int NewPlane )
```

6.36.2.3 CalculateTrace() [1/2]

```
void InoOldTrackFitAlg::CalculateTrace ( ) [inline]
```

6.36.2.4 CalculateTrace() [2/2]

```
void InoOldTrackFitAlg::CalculateTrace ( ) [inline]
```

6.36.2.5 CheckFCPCUpOrDn() [1/2]

```
int InoOldTrackFitAlg::CheckFCPCUpOrDn (
            double * ax_k,
            bool DirExtraPol,
            int MaxMinPlane,
            bool GoDir )
```

6.36.2.6 CheckFCPCUpOrDn() [2/2]

```
int InoOldTrackFitAlg::CheckFCPCUpOrDn (
            double * ax_k,
            bool DirExtraPol,
            int MaxMinPlane,
            bool GoDir )
```

6.36.2.7 CheckValues() [1/2]

```
void InoOldTrackFitAlg::CheckValues (
            double * Input,
            const int NewPlane )
```

6.36.2.8 CheckValues() [2/2]

```
void InoOldTrackFitAlg::CheckValues (
            double * Input,
            const int NewPlane )
```

6.36.2.9 DirectionFromFinderHits() **[1/2]**

```
bool InoOldTrackFitAlg::DirectionFromFinderHits (
            InoTrack * trk )
```

6.36.2.10 DirectionFromFinderHits() **[2/2]**

```
bool InoOldTrackFitAlg::DirectionFromFinderHits (
            InoTrack * trk )
```

6.36.2.11 DirectionFromFitterHits() **[1/2]**

```
bool InoOldTrackFitAlg::DirectionFromFitterHits (
            InoTrackCand * trk,
            int epln,
            double & xslope,
            double & xintercept,
            double & xexp )
```

6.36.2.12 DirectionFromFitterHits() **[2/2]**

```
bool InoOldTrackFitAlg::DirectionFromFitterHits (
            InoTrackCand * trk,
            int epln,
            double & xslope,
            double & xintercept,
            double & xexp )
```

6.36.2.13 ExtrapCovMatrix() **[1/2]**

```
void InoOldTrackFitAlg::ExtrapCovMatrix ( )
```

6.36.2.14 ExtrapCovMatrix() **[2/2]**

```
void InoOldTrackFitAlg::ExtrapCovMatrix ( )
```

6.36.2.15 FillGapsInTrack() [1/2]

```
void InoOldTrackFitAlg::FillGapsInTrack ( )
```

6.36.2.16 FillGapsInTrack() [2/2]

```
void InoOldTrackFitAlg::FillGapsInTrack ( )
```

6.36.2.17 GetBsmrGaussParameter() [1/2]

```
double InoOldTrackFitAlg::GetBsmrGaussParameter ( )  [inline]
```

6.36.2.18 GetBsmrGaussParameter() [2/2]

```
double InoOldTrackFitAlg::GetBsmrGaussParameter ( )  [inline]
```

6.36.2.19 GetCombiPropagator() [1/2]

```
bool InoOldTrackFitAlg::GetCombiPropagator (
            const int Plane,
            const int NewPlane,
            const bool GoForward,
            double * ddS,
            double * ddRange )
```

6.36.2.20 GetCombiPropagator() [2/2]

```
bool InoOldTrackFitAlg::GetCombiPropagator (
            const int Plane,
            const int NewPlane,
            const bool GoForward,
            double * ddS,
            double * ddRange )
```

6.36.2.21 GetCombiPropagator_new() [1/2]

```
bool InoOldTrackFitAlg::GetCombiPropagator_new (
            const int Plane,
            const int NewPlane,
            const bool GoForward )
```

6.36.2.22 GetCombiPropagator_new() [2/2]

```
bool InoOldTrackFitAlg::GetCombiPropagator_new (
            const int Plane,
            const int NewPlane,
            const bool GoForward )
```

6.36.2.23 GetFitData_new() [1/2]

```
void InoOldTrackFitAlg::GetFitData_new (
            int & Plane1,
            int & Plane2 )
```

6.36.2.24 GetFitData_new() [2/2]

```
void InoOldTrackFitAlg::GetFitData_new (
            int & Plane1,
            int & Plane2 )
```

6.36.2.25 GetInitialCovarianceMatrix() [1/2]

```
void InoOldTrackFitAlg::GetInitialCovarianceMatrix (
            const bool FirstIteration )
```

6.36.2.26 GetInitialCovarianceMatrix() [2/2]

```
void InoOldTrackFitAlg::GetInitialCovarianceMatrix (
            const bool FirstIteration )
```

6.36.2.27 GetNoiseMatrix() [1/2]

```
void InoOldTrackFitAlg::GetNoiseMatrix (
            const int Plane,
            const int NewPlane )
```

6.36.2.28 GetNoiseMatrix() [2/2]

```
void InoOldTrackFitAlg::GetNoiseMatrix (
            const int Plane,
            const int NewPlane )
```

6.36.2.29 GoBackwards_new() [1/2]

```
void InoOldTrackFitAlg::GoBackwards_new (
            const bool first )
```

6.36.2.30 GoBackwards_new() [2/2]

```
void InoOldTrackFitAlg::GoBackwards_new (
            const bool first )
```

6.36.2.31 GoForwards_new() [1/2]

```
void InoOldTrackFitAlg::GoForwards_new (
            const bool first )
```

6.36.2.32 GoForwards_new() [2/2]

```
void InoOldTrackFitAlg::GoForwards_new (
            const bool first )
```

6.36.2.33 InitialFramework_new() [1/2]

```
void InoOldTrackFitAlg::InitialFramework_new ( )
```

6.36.2.34 InitialFramework_new() [2/2]

```
void InoOldTrackFitAlg::InitialFramework_new ( )
```

6.36.2.35 MoveArrays() [1/2]

```
void InoOldTrackFitAlg::MoveArrays ( )
```

6.36.2.36 MoveArrays() [2/2]

```
void InoOldTrackFitAlg::MoveArrays ( )
```

6.36.2.37 RemoveTrkHitsInShw() [1/2]

```
void InoOldTrackFitAlg::RemoveTrkHitsInShw ( )
```

6.36.2.38 RemoveTrkHitsInShw() [2/2]

```
void InoOldTrackFitAlg::RemoveTrkHitsInShw ( )
```

6.36.2.39 ResetCovarianceMatrix() [1/2]

```
void InoOldTrackFitAlg::ResetCovarianceMatrix ( )
```

6.36.2.40 ResetCovarianceMatrix() [2/2]

```
void InoOldTrackFitAlg::ResetCovarianceMatrix ( )
```

6.36.2.41 RunAlg() [1/2]

```
void InoOldTrackFitAlg::RunAlg ( )  [virtual]
```

6.36.2.42 RunAlg() [2/2]

```
virtual void InoOldTrackFitAlg::RunAlg ( ) [virtual]
```

6.36.2.43 RunTheFitter_new() [1/2]

```
void InoOldTrackFitAlg::RunTheFitter_new ( )
```

6.36.2.44 RunTheFitter_new() [2/2]

```
void InoOldTrackFitAlg::RunTheFitter_new ( )
```

6.36.2.45 SetBsmrGaussParameter() [1/2]

```
void InoOldTrackFitAlg::SetBsmrGaussParameter (
            double bsmr ) [inline]
```

6.36.2.46 SetBsmrGaussParameter() [2/2]

```
void InoOldTrackFitAlg::SetBsmrGaussParameter (
            double bsmr ) [inline]
```

6.36.2.47 SetRangeAnddS() [1/2]

```
void InoOldTrackFitAlg::SetRangeAnddS ( )
```

6.36.2.48 SetRangeAnddS() [2/2]

```
void InoOldTrackFitAlg::SetRangeAnddS ( )
```

6.36.2.49 SetT() [1/2]

```
void InoOldTrackFitAlg::SetT ( )
```

6.36.2.50 SetT() [2/2]

```
void InoOldTrackFitAlg::SetT ( )
```

6.36.2.51 SetTrackProperties() [1/2]

```
void InoOldTrackFitAlg::SetTrackProperties (
          double * Input )
```

6.36.2.52 SetTrackProperties() [2/2]

```
void InoOldTrackFitAlg::SetTrackProperties (
          double * Input1,
          double * Input2,
          double * Input3 )
```

6.36.2.53 ShowerStrips() [1/2]

```
void InoOldTrackFitAlg::ShowerStrips ( )
```

6.36.2.54 ShowerStrips() [2/2]

```
void InoOldTrackFitAlg::ShowerStrips ( )
```

6.36.2.55 ShowerSwim() [1/2]

```
void InoOldTrackFitAlg::ShowerSwim ( )
```

6.36.2.56 ShowerSwim() [2/2]

```
void InoOldTrackFitAlg::ShowerSwim ( )
```

6.36.2.57 simple_track_fit() [1/2]

```
void InoOldTrackFitAlg::simple_track_fit (
            vector< Hep3Vector > & finder,
            double & curve,
            double & radii,
            double * x0,
            double * locchisq,
            double * xavg,
            int & locnhits )
```

6.36.2.58 simple_track_fit() [2/2]

```
void InoOldTrackFitAlg::simple_track_fit (
            vector< Hep3Vector > & finder,
            double & curve,
            double & radii,
            double * x0,
            double * locchisq,
            double * xavg,
            int & locnhits )
```

6.36.2.59 StoreFilteredData() [1/2]

```
void InoOldTrackFitAlg::StoreFilteredData (
            const int NewPlane )
```

6.36.2.60 StoreFilteredData() [2/2]

```
void InoOldTrackFitAlg::StoreFilteredData (
            const int NewPlane )
```

6.36.2.61 StoreFilteredData_sr() [1/2]

```
void InoOldTrackFitAlg::StoreFilteredData_sr (
            const int NewPlane,
            double * prediction,
            bool str )
```

6.36.2.62 StoreFilteredData_sr() [2/2]

```
void InoOldTrackFitAlg::StoreFilteredData_sr (
            const int NewPlane,
            double * ,
            bool  )
```

6.36.2.63 StraightLineFit() [1/2]

```
void InoOldTrackFitAlg::StraightLineFit (
            vector< Hep3Vector > & finder,
            vector< int > & loczlay,
            double * locslope,
            double * locintercpt,
            double * locchi2,
            int * locnhit )
```

6.36.2.64 StraightLineFit() [2/2]

```
void InoOldTrackFitAlg::StraightLineFit (
            vector< Hep3Vector > & finder,
            vector< int > & loczlay,
            double * locslope,
            double * locintercpt,
            double * locchi2,
            int * locnhit )
```

6.36.2.65 Swim() [1/6]

```
bool InoOldTrackFitAlg::Swim (
            double * StateVector,
            double * Output,
            const double zbeg,
            const int NewPlane,
            const bool GoForward,
            double * dS = 0,
            double * Range = 0,
            double * dE = 0 )
```

6.36.2.66 Swim() [2/6]

```
bool InoOldTrackFitAlg::Swim (
            double * StateVector,
            double * Output,
            const double zbeg,
            const int NewPlane,
            const bool GoForward,
            double * dS = 0,
            double * Range = 0,
            double * dE = 0 )
```

6.36.2.67 Swim() [3/6]

```
bool InoOldTrackFitAlg::Swim (
            double * StateVector,
            double * Output,
            const int Plane,
            const double zend,
            const bool GoForward,
            double * dS = 0,
            double * Range = 0,
            double * dE = 0 )
```

6.36.2.68 Swim() [4/6]

```
bool InoOldTrackFitAlg::Swim (
            double * StateVector,
            double * Output,
            const int Plane,
            const double zend,
            const bool GoForward,
            double * dS = 0,
            double * Range = 0,
            double * dE = 0 )
```

6.36.2.69 Swim() [5/6]

```
bool InoOldTrackFitAlg::Swim (
            double * StateVector,
            double * Output,
            const int Plane,
            const int NewPlane,
            const bool GoForward,
            double * dS = 0,
            double * Range = 0,
            double * dE = 0 )
```

6.36.2.70 Swim() [6/6]

```
bool InoOldTrackFitAlg::Swim (
            double * StateVector,
            double * Output,
            const int Plane,
            const int NewPlane,
            const bool GoForward,
            double * dS = 0,
            double * Range = 0,
            double * dE = 0 )
```

6.36.2.71 Swim_new() [1/2]

```
bool InoOldTrackFitAlg::Swim_new (
            double * StateVector,
            double * Output,
            const int Plane,
            int & NewPlane,
            const bool GoForward,
            double * dS = 0,
            double * Range = 0,
            double * dE = 0 )
```

6.36.2.72 Swim_new() [2/2]

```
bool InoOldTrackFitAlg::Swim_new (
            double * StateVector,
            double * Output,
            const int Plane,
            int & NewPlane,
            const bool GoForward,
            double * dS = 0,
            double * Range = 0,
            double * dE = 0 )
```

6.36.2.73 TimingFit() [1/2]

```
void InoOldTrackFitAlg::TimingFit ( )
```

6.36.2.74 TimingFit() [2/2]

```
void InoOldTrackFitAlg::TimingFit ( )
```

6.36.2.75 Trace() [1/2]

```
void InoOldTrackFitAlg::Trace (
            const char * c ) const  [virtual]
```

6.36.2.76 Trace() [2/2]

```
virtual void InoOldTrackFitAlg::Trace (
            const char * c ) const  [virtual]
```

6.36.2.77 UpdateCovMatrix() [1/2]

```
void InoOldTrackFitAlg::UpdateCovMatrix ( )
```

6.36.2.78 UpdateCovMatrix() [2/2]

```
void InoOldTrackFitAlg::UpdateCovMatrix ( )
```

6.36.2.79 UpdateStateVector() [1/2]

```
void InoOldTrackFitAlg::UpdateStateVector (
            const int Plane,
            const int NewPlane,
            const bool GoForward )
```

6.36.2.80 UpdateStateVector() [2/2]

```
void InoOldTrackFitAlg::UpdateStateVector (
            const int Plane,
            const int NewPlane,
            const bool GoForward )
```

6.36.2.81 UpdateStateVector_new() [1/2]

```
void InoOldTrackFitAlg::UpdateStateVector_new (
            const int Plane,
            const int NewPlane,
            double * Output,
            const bool GoForward )
```

6.36.2.82 UpdateStateVector_new() [2/2]

```
void InoOldTrackFitAlg::UpdateStateVector_new (
            const int Plane,
            const int NewPlane,
            double * Output,
            const bool GoForward )
```

6.36.3 Member Data Documentation

6.36.3.1 doubleLa

```
static const unsigned int InoOldTrackFitAlg::doubleLa =11  [static]
```

6.36.3.2 shiftLa

```
static const unsigned int InoOldTrackFitAlg::shiftLa =250  [static]
```

The documentation for this class was generated from the following files:

- inc/InoOldTrackFitAlg.h
- src/InoOldTrackFitAlg.cc

6.37 InoRecoAlg Class Reference

```
#include <InoRecoAlg.hh>
```

Public Member Functions

- InoRecoAlg (int isInOut)
- ∼InoRecoAlg ()
- void ReadEvent (int ixt)
- void PerformTrackReconstruction ()
- void PerformHadronReconstruction ()

6.37.1 Constructor & Destructor Documentation

6.37.1.1 InoRecoAlg()

```
InoRecoAlg::InoRecoAlg (
            int isInOut )
```

6.37.1.2 ∼InoRecoAlg()

```
InoRecoAlg::∼InoRecoAlg ( )
```

6.37.2 Member Function Documentation

6.37.2.1 PerformHadronReconstruction()

```
void InoRecoAlg::PerformHadronReconstruction ( )
```

6.37.2.2 PerformTrackReconstruction()

```
void InoRecoAlg::PerformTrackReconstruction ( )
```

6.37.2.3 ReadEvent()

```
void InoRecoAlg::ReadEvent (
            int ixt )
```

The documentation for this class was generated from the following files:

- inc/InoRecoAlg.hh
- src/InoRecoAlg.cc

6.38 InoRPCStrip_Manager Class Reference

```
#include <vect_manager.h>
```

Collaboration diagram for InoRPCStrip_Manager:

Public Member Functions

- InoRPCStrip_Manager ()
- ∼InoRPCStrip_Manager ()

Public Attributes

- vector< pair< int, int > > InoRPCStrip

Static Public Attributes

- static InoRPCStrip_Manager ∗ APointer

6.38.1 Constructor & Destructor Documentation

6.38.1.1 InoRPCStrip_Manager()

```
InoRPCStrip_Manager::InoRPCStrip_Manager ( )
```

6.38.1.2 ∼InoRPCStrip_Manager()

```
InoRPCStrip_Manager::∼InoRPCStrip_Manager ( )
```

6.38.2 Member Data Documentation

6.38.2.1 APointer

```
InoRPCStrip_Manager * InoRPCStrip_Manager::APointer  [static]
```

6.38.2.2 InoRPCStrip

```
vector<pair<int,int> > InoRPCStrip_Manager::InoRPCStrip
```

The documentation for this class was generated from the following files:

- inc/vect_manager.h
- src/vect_manager.cc

6.39 InoShowerCand Class Reference

```
#include <InoShowerCand.h>
```

Public Types

- enum EShowerType {
  kCC =0, kWtCC =1, kNC =2, kWtNC =3,
  kEM =4 }
- typedef enum InoShowerCand::EShowerType ShowerType_t

Public Member Functions

- InoShowerCand ()
- virtual ∼InoShowerCand ()

6.39.1 Member Typedef Documentation

6.39.1.1 ShowerType_t

```
typedef enum InoShowerCand::EShowerType InoShowerCand::ShowerType_t
```

6.39.2 Member Enumeration Documentation

6.39.2.1 EShowerType

```
enum InoShowerCand::EShowerType
```

Enumerator

kCC	
kWtCC	
kNC	
kWtNC	
kEM	

6.39.3 Constructor & Destructor Documentation

6.39.3.1 InoShowerCand()

```
InoShowerCand::InoShowerCand ( )  [inline]
```

6.39.3.2 ∼InoShowerCand()

```
virtual InoShowerCand::∼InoShowerCand ( )  [inline], [virtual]
```

The documentation for this class was generated from the following file:

- inc/InoShowerCand.h

6.40 InoStrip Class Reference

```
#include <InoStrip.h>
```

Public Member Functions

- InoStrip ()
- InoStrip (InoStrip ∗cd)
- ∼InoStrip ()
- InoStrip ∗ DupHandle () const
- void Trace (const char ∗c="") const
- int GetPlaneView () const
- int GetStrip () const
- double GetXYPos () const
- int GetPlane () const
- double GetZPos () const
- int GetTrueTime () const
- int GetSmrTime () const
- double GetPulse () const
- void SetPlaneView (int f)
- void SetStrip (int f)
- void SetXYPos (double f)
- void SetPlane (int f)
- void SetZPos (double f)
- void SetTrueTime (int ia)
- void SetSmrTime (int ia)
- void SetPulse (double f)
- void AddPulse (double f)
- void SetRPCmod (int i)
- int GetRPCmod ()
- int GetStripNumLoc ()
- void SetStripNumLoc (int f)
- void SetfNoise (int f)
- int isNoiseStrip ()
- void SetMomentum (double f)

- void SetTheta (double f)
- void SetPhi (double f)
- double GetMomentum ()
- double GetTheta ()
- double GetPhi ()
- void SetGenPosX (double f)
- void SetGenPosY (double f)
- void SetGenPosZ (double f)
- double GetGenPosX ()
- double GetGenPosY ()
- double GetGenPosZ ()
- void SetId (int id)
- int GetId ()
- void SetpdgId (int id)
- int GetpdgId ()

Public Attributes

- int fRPCmod
- int fView
- int fStrip
- double fXYPos
- int fPlane
- double fZPos
- int pdgid
- int iTrueTime
- int iSmrTime
- double fPulse
- double fMomentum
- double fTheta
- double fPhi
- int fStripNumLoc
- int fNoise
- double fXgen
- double fYgen
- double fZgen
- int fId

6.40.1 Constructor & Destructor Documentation

6.40.1.1 InoStrip() [1/2]

```
InoStrip::InoStrip ( )
```

6.40.1.2 InoStrip() **[2/2]**

```
InoStrip::InoStrip (
            InoStrip * cd )
```

6.40.1.3 ∼InoStrip()

```
InoStrip::∼InoStrip ( )
```

6.40.2 Member Function Documentation

6.40.2.1 AddPulse()

```
void InoStrip::AddPulse (
            double f ) [inline]
```

6.40.2.2 DupHandle()

```
InoStrip * InoStrip::DupHandle ( ) const
```

6.40.2.3 GetGenPosX()

```
double InoStrip::GetGenPosX ( ) [inline]
```

6.40.2.4 GetGenPosY()

```
double InoStrip::GetGenPosY ( ) [inline]
```

6.40.2.5 GetGenPosZ()

```
double InoStrip::GetGenPosZ ( ) [inline]
```

6.40.2.6 GetId()

```
int InoStrip::GetId ( ) [inline]
```

6.40.2.7 GetMomentum()

```
double InoStrip::GetMomentum ( ) [inline]
```

6.40.2.8 GetpdgId()

```
int InoStrip::GetpdgId ( ) [inline]
```

6.40.2.9 GetPhi()

```
double InoStrip::GetPhi ( ) [inline]
```

6.40.2.10 GetPlane()

```
int InoStrip::GetPlane ( ) const [inline]
```

6.40.2.11 GetPlaneView()

```
int InoStrip::GetPlaneView ( ) const [inline]
```

6.40.2.12 GetPulse()

```
double InoStrip::GetPulse ( ) const [inline]
```

6.40.2.13 GetRPCmod()

```
int InoStrip::GetRPCmod ( ) [inline]
```

6.40.2.14 GetSmrTime()

```
int InoStrip::GetSmrTime ( ) const  [inline]
```

6.40.2.15 GetStrip()

```
int InoStrip::GetStrip ( ) const  [inline]
```

6.40.2.16 GetStripNumLoc()

```
int InoStrip::GetStripNumLoc ( )  [inline]
```

6.40.2.17 GetTheta()

```
double InoStrip::GetTheta ( )  [inline]
```

6.40.2.18 GetTrueTime()

```
int InoStrip::GetTrueTime ( ) const  [inline]
```

6.40.2.19 GetXYPos()

```
double InoStrip::GetXYPos ( ) const  [inline]
```

6.40.2.20 GetZPos()

```
double InoStrip::GetZPos ( ) const  [inline]
```

6.40.2.21 isNoiseStrip()

```
int InoStrip::isNoiseStrip ( )  [inline]
```

6.40.2.22 SetfNoise()

```
void InoStrip::SetfNoise (
            int f ) [inline]
```

6.40.2.23 SetGenPosX()

```
void InoStrip::SetGenPosX (
            double f ) [inline]
```

6.40.2.24 SetGenPosY()

```
void InoStrip::SetGenPosY (
            double f ) [inline]
```

6.40.2.25 SetGenPosZ()

```
void InoStrip::SetGenPosZ (
            double f ) [inline]
```

6.40.2.26 SetId()

```
void InoStrip::SetId (
            int id ) [inline]
```

6.40.2.27 SetMomentum()

```
void InoStrip::SetMomentum (
            double f ) [inline]
```

6.40.2.28 SetpdgId()

```
void InoStrip::SetpdgId (
            int id ) [inline]
```

6.40.2.29 SetPhi()

```
void InoStrip::SetPhi (
            double f ) [inline]
```

6.40.2.30 SetPlane()

```
void InoStrip::SetPlane (
            int f ) [inline]
```

6.40.2.31 SetPlaneView()

```
void InoStrip::SetPlaneView (
            int f ) [inline]
```

6.40.2.32 SetPulse()

```
void InoStrip::SetPulse (
            double f ) [inline]
```

6.40.2.33 SetRPCmod()

```
void InoStrip::SetRPCmod (
            int i ) [inline]
```

6.40.2.34 SetSmrTime()

```
void InoStrip::SetSmrTime (
            int ia ) [inline]
```

6.40.2.35 SetStrip()

```
void InoStrip::SetStrip (
            int f ) [inline]
```

6.40.2.36 SetStripNumLoc()

```
void InoStrip::SetStripNumLoc (
             int f ) [inline]
```

6.40.2.37 SetTheta()

```
void InoStrip::SetTheta (
             double f ) [inline]
```

6.40.2.38 SetTrueTime()

```
void InoStrip::SetTrueTime (
             int ia ) [inline]
```

6.40.2.39 SetXYPos()

```
void InoStrip::SetXYPos (
             double f ) [inline]
```

6.40.2.40 SetZPos()

```
void InoStrip::SetZPos (
             double f ) [inline]
```

6.40.2.41 Trace()

```
void InoStrip::Trace (
             const char * c = "" ) const
```

6.40.3 Member Data Documentation

6.40.3.1 fId

```
int InoStrip::fId
```

6.40.3.2 fMomentum

```
double InoStrip::fMomentum
```

6.40.3.3 fNoise

```
int InoStrip::fNoise
```

6.40.3.4 fPhi

```
double InoStrip::fPhi
```

6.40.3.5 fPlane

```
int InoStrip::fPlane
```

6.40.3.6 fPulse

```
double InoStrip::fPulse
```

6.40.3.7 fRPCmod

```
int InoStrip::fRPCmod
```

6.40.3.8 fStrip

```
int InoStrip::fStrip
```

6.40.3.9 fStripNumLoc

```
int InoStrip::fStripNumLoc
```

6.40.3.10 fTheta

```
double InoStrip::fTheta
```

6.40.3.11 fView

```
int InoStrip::fView
```

6.40.3.12 fXgen

```
double InoStrip::fXgen
```

6.40.3.13 fXYPos

```
double InoStrip::fXYPos
```

6.40.3.14 fYgen

```
double InoStrip::fYgen
```

6.40.3.15 fZgen

```
double InoStrip::fZgen
```

6.40.3.16 fZPos

```
double InoStrip::fZPos
```

6.40.3.17   iSmrTime

`int InoStrip::iSmrTime`

6.40.3.18   iTrueTime

`int InoStrip::iTrueTime`

6.40.3.19   pdgid

`int InoStrip::pdgid`

The documentation for this class was generated from the following files:

- inc/InoStrip.h
- src/InoStrip.cc

6.41   InoStrip_Manager Class Reference

`#include <vect_manager.h>`

Collaboration diagram for InoStrip_Manager:

Public Member Functions

- InoStrip_Manager ()
- ~InoStrip_Manager ()

Public Attributes

- vector< InoStrip ∗ > InoStrip_list

Static Public Attributes

- static InoStrip_Manager ∗ APointer

6.41.1   Constructor & Destructor Documentation

6.41.1.1 InoStrip_Manager()

```
InoStrip_Manager::InoStrip_Manager ( )
```

6.41.1.2 ∼InoStrip_Manager()

```
InoStrip_Manager::∼InoStrip_Manager ( )
```

6.41.2 Member Data Documentation

6.41.2.1 APointer

```
InoStrip_Manager * InoStrip_Manager::APointer  [static]
```

6.41.2.2 InoStrip_list

```
vector<InoStrip*> InoStrip_Manager::InoStrip_list
```

The documentation for this class was generated from the following files:

- inc/vect_manager.h
- src/vect_manager.cc

6.42 InoStripX_Manager Class Reference

```
#include <vect_manager.h>
```

Collaboration diagram for InoStripX_Manager:

Public Member Functions

- InoStripX_Manager ()
- ∼InoStripX_Manager ()

Public Attributes

- vector< InoStrip ∗ > InoStripX_list

Static Public Attributes

- static InoStripX_Manager ∗ APointer

6.42.1 Constructor & Destructor Documentation

6.42.1.1 InoStripX_Manager()

```
InoStripX_Manager::InoStripX_Manager ( )
```

6.42.1.2 ∼InoStripX_Manager()

```
InoStripX_Manager::∼InoStripX_Manager ( )
```

6.42.2 Member Data Documentation

6.42.2.1 APointer

```
InoStripX_Manager ∗ InoStripX_Manager::APointer  [static]
```

6.42.2.2 InoStripX_list

```
vector<InoStrip*> InoStripX_Manager::InoStripX_list
```

The documentation for this class was generated from the following files:

- inc/vect_manager.h
- src/vect_manager.cc

6.43 InoStripY_Manager Class Reference

```
#include <vect_manager.h>
```

Collaboration diagram for InoStripY_Manager:

Public Member Functions

- InoStripY_Manager ()
- ∼InoStripY_Manager ()

Public Attributes

- vector< InoStrip ∗ > InoStripY_list

Static Public Attributes

- static InoStripY_Manager ∗ APointer

6.43.1 Constructor & Destructor Documentation

6.43.1.1 InoStripY_Manager()

```
InoStripY_Manager::InoStripY_Manager ( )
```

6.43.1.2 ∼InoStripY_Manager()

```
InoStripY_Manager::∼InoStripY_Manager ( )
```

6.43.2 Member Data Documentation

6.43.2.1 APointer

```
InoStripY_Manager * InoStripY_Manager::APointer  [static]
```

6.43.2.2 InoStripY_list

```
vector<InoStrip*> InoStripY_Manager::InoStripY_list
```

The documentation for this class was generated from the following files:

- inc/vect_manager.h
- src/vect_manager.cc

6.44 InoTDCHitx_Manager Class Reference

`#include <vect_manager.h>`

Collaboration diagram for InoTDCHitx_Manager:

Public Member Functions

- InoTDCHitx_Manager ()
- ∼InoTDCHitx_Manager ()

Public Attributes

- vector< int > xtdctiming [nlmx][ntmx]

Static Public Attributes

- static InoTDCHitx_Manager ∗ APointer

6.44.1 Constructor & Destructor Documentation

6.44.1.1 InoTDCHitx_Manager()

`InoTDCHitx_Manager::InoTDCHitx_Manager ( )`

6.44.1.2 ∼InoTDCHitx_Manager()

`InoTDCHitx_Manager::∼InoTDCHitx_Manager ( )`

6.44.2 Member Data Documentation

6.44.2.1 APointer

`InoTDCHitx_Manager * InoTDCHitx_Manager::APointer [static]`

6.44.2.2 xtdctiming

```
vector<int> InoTDCHitx_Manager::xtdctiming[nlmx][ntmx]
```

The documentation for this class was generated from the following files:

- inc/vect_manager.h
- src/vect_manager.cc

6.45   InoTDCHity_Manager Class Reference

```
#include <vect_manager.h>
```

Collaboration diagram for InoTDCHity_Manager:

Public Member Functions

- InoTDCHity_Manager ()
- ∼InoTDCHity_Manager ()

Public Attributes

- vector< int > ytdctiming [nlmx][ntmx]

Static Public Attributes

- static InoTDCHity_Manager ∗ APointer

6.45.1   Constructor & Destructor Documentation

6.45.1.1   InoTDCHity_Manager()

```
InoTDCHity_Manager::InoTDCHity_Manager ( )
```

6.45.1.2   ∼InoTDCHity_Manager()

```
InoTDCHity_Manager::∼InoTDCHity_Manager ( )
```

6.45.2 Member Data Documentation

6.45.2.1 APointer

[InoTDCHity_Manager](#) * InoTDCHity_Manager::APointer [static]

6.45.2.2 ytdctiming

vector<int> InoTDCHity_Manager::ytdctiming[nlmx][ntmx]

The documentation for this class was generated from the following files:

- inc/[vect_manager.h](#)
- src/[vect_manager.cc](#)

6.46 InoTrack Class Reference

```
#include <InoTrack.h>
```

Collaboration diagram for InoTrack:

Public Member Functions

- [InoTrack](#) ()
- [InoTrack](#) ([InoTrackSegment](#) ∗segment)
- [∼InoTrack](#) ()
- [InoTrackSegment](#) ∗ [GetInoTrackSegment](#) () const
- int [GetBegZPlane](#) () const
- int [GetEndZPlane](#) () const
- void [AddCluster](#) ([InoCluster](#) ∗clust)
- void [AddTrack](#) ([InoTrack](#) ∗trk)
- bool [ContainsClust](#) ([InoCluster](#) ∗clust) const
- [InoCluster](#) ∗ [GetCluster](#) (unsigned int i) const
- void [InsertCluster](#) (vector< [InoCluster](#) ∗ >::iterator it, [InoCluster](#) ∗cls)
- vector< [InoCluster](#) ∗ >::iterator [begin](#) ()
- vector< [InoCluster](#) ∗ >::iterator [end](#) ()
- double [GetBegXPos](#) ()
- double [GetEndXPos](#) ()
- double [GetBegYPos](#) ()
- double [GetEndYPos](#) ()
- double [GetXDir](#) (int Plane1, int Plane2)
- double [GetBegXDir](#) ()
- double [GetEndXDir](#) ()
- double [GetYDir](#) (int Plane1, int Plane2)

- double GetBegYDir ()
- double GetEndYDir ()
- double GetBegZPos () const
- double GetEndZPos () const
- unsigned int GetEntries () const
- int GetUID () const
- void SetUID (int UIDNum)
- int GetUsed () const
- void SetUsed (int UIDNum)
- int GetTrackMergeVar () const
- void SetTrackMergeVar (int ixi)
- void SetStraight ()

Public Attributes

- vector< InoCluster ∗ > ClustsInTrack

Friends

- class InotTrackCand

6.46.1 Constructor & Destructor Documentation

6.46.1.1 InoTrack() [1/2]

```
InoTrack::InoTrack ( )
```

6.46.1.2 InoTrack() [2/2]

```
InoTrack::InoTrack (
            InoTrackSegment * segment )
```

6.46.1.3 ∼InoTrack()

```
InoTrack::∼InoTrack ( )
```

6.46.2 Member Function Documentation

6.46.2.1 AddCluster()

```
void InoTrack::AddCluster (
            InoCluster * clust )
```

6.46.2.2 AddTrack()

```
void InoTrack::AddTrack (
            InoTrack * trk )
```

6.46.2.3 begin()

```
vector<InoCluster*>::iterator InoTrack::begin ( )  [inline]
```

6.46.2.4 ContainsClust()

```
bool InoTrack::ContainsClust (
            InoCluster * clust ) const
```

6.46.2.5 end()

```
vector<InoCluster*>::iterator InoTrack::end ( )  [inline]
```

6.46.2.6 GetBegXDir()

```
double InoTrack::GetBegXDir ( )
```

6.46.2.7 GetBegXPos()

```
double InoTrack::GetBegXPos ( )
```

6.46.2.8 GetBegYDir()

```
double InoTrack::GetBegYDir ( )
```

6.46.2.9 GetBegYPos()

```
double InoTrack::GetBegYPos ( )
```

6.46.2.10 GetBegZPlane()

```
int InoTrack::GetBegZPlane ( ) const  [inline]
```

6.46.2.11 GetBegZPos()

```
double InoTrack::GetBegZPos ( ) const  [inline]
```

6.46.2.12 GetCluster()

```
InoCluster * InoTrack::GetCluster (
            unsigned int i ) const
```

6.46.2.13 GetEndXDir()

```
double InoTrack::GetEndXDir ( )
```

6.46.2.14 GetEndXPos()

```
double InoTrack::GetEndXPos ( )
```

6.46.2.15 GetEndYDir()

```
double InoTrack::GetEndYDir ( )
```

6.46.2.16 GetEndYPos()

```
double InoTrack::GetEndYPos ( )
```

6.46.2.17 GetEndZPlane()

```
int InoTrack::GetEndZPlane ( ) const  [inline]
```

6.46.2.18 GetEndZPos()

```
double InoTrack::GetEndZPos ( ) const  [inline]
```

6.46.2.19 GetEntries()

```
unsigned int InoTrack::GetEntries ( ) const  [inline]
```

6.46.2.20 GetInoTrackSegment()

[InoTrackSegment](#)∗ InoTrack::GetInoTrackSegment ( ) const [inline]

6.46.2.21 GetTrackMergeVar()

```
int InoTrack::GetTrackMergeVar ( ) const  [inline]
```

6.46.2.22 GetUID()

```
int InoTrack::GetUID ( ) const  [inline]
```

6.46.2.23 GetUsed()

```
int InoTrack::GetUsed ( ) const [inline]
```

6.46.2.24 GetXDir()

```
double InoTrack::GetXDir (
            int Plane1,
            int Plane2 )
```

6.46.2.25 GetYDir()

```
double InoTrack::GetYDir (
            int Plane1,
            int Plane2 )
```

6.46.2.26 InsertCluster()

```
void InoTrack::InsertCluster (
            vector< InoCluster * >::iterator it,
            InoCluster * cls )
```

6.46.2.27 SetStraight()

```
void InoTrack::SetStraight ( )
```

6.46.2.28 SetTrackMergeVar()

```
void InoTrack::SetTrackMergeVar (
            int ixi ) [inline]
```

6.46.2.29 SetUID()

```
void InoTrack::SetUID (
            int UIDNum ) [inline]
```

6.46.2.30 SetUsed()

```
void InoTrack::SetUsed (
            int UIDNum ) [inline]
```

6.46.3 Friends And Related Function Documentation

6.46.3.1 InotTrackCand

```
friend class InotTrackCand  [friend]
```

6.46.4 Member Data Documentation

6.46.4.1 ClustsInTrack

```
vector<InoCluster*> InoTrack::ClustsInTrack
```

The documentation for this class was generated from the following files:

- inc/InoTrack.h
- src/InoTrack.cc

6.47 InoTrack_Manager Class Reference

```
#include <vect_manager.h>
```

Collaboration diagram for InoTrack_Manager:

Public Member Functions

- InoTrack_Manager ()
- ∼InoTrack_Manager ()

Public Attributes

- vector< InoTrack ∗ > InoTrack_list

Static Public Attributes

- static [InoTrack_Manager](#) ∗ [APointer](#)

6.47.1 Constructor & Destructor Documentation

6.47.1.1 InoTrack_Manager()

```
InoTrack_Manager::InoTrack_Manager ( )
```

6.47.1.2 ∼InoTrack_Manager()

```
InoTrack_Manager::∼InoTrack_Manager ( )
```

6.47.2 Member Data Documentation

6.47.2.1 APointer

```
InoTrack_Manager ∗ InoTrack_Manager::APointer  [static]
```

6.47.2.2 InoTrack_list

```
vector<InoTrack*> InoTrack_Manager::InoTrack_list
```

The documentation for this class was generated from the following files:

- inc/[vect_manager.h](#)
- src/[vect_manager.cc](#)

6.48 InoTrackCand Class Reference

```
#include <InoTrackCand.h>
```

Collaboration diagram for InoTrackCand:

Public Member Functions

- InoTrackCand ()
- InoTrackCand (const InoTrackCand &cdh)
- InoTrackCand (InoTrack ∗trk, bool forward)
- virtual ∼InoTrackCand ()
- virtual void Trace (const char ∗c="") const
- void SetU (Int_t, Float_t)
- void SetV (Int_t, Float_t)
- void SetdS (Int_t, Float_t)
- void SetTrackPointXError (Int_t, Float_t)
- void SetTrackPointYError (Int_t, Float_t)
- void SetRange (Int_t plane, Float_t g_cm2)
- void Set2dS (Int_t, Float_t)
- void Set2Range (Int_t plane, Float_t g_cm2)
- int GetFCPC () const
- void SetFCPC (int)
- void SetT (Int_t, Double_t)
- void SetVtxTrace (Double_t)
- void SetVtxTraceZ (Double_t)
- void SetVtxnActiveUpstream (Int_t)
- void SetEndTrace (Double_t)
- void SetEndTraceZ (Double_t)
- void SetEndnActiveDownstream (Int_t)
- void SetVtxDistToEdge (Double_t)
- void SetEndDistToEdge (Double_t)
- void SetStraightLineSlopeX (Double_t v1)
- void SetStraightLineSlopeY (Double_t v1)
- void SetStraightLineInterceptX (Double_t v1)
- void SetStraightLineInterceptY (Double_t v1)
- void SetStraightLineChi2X (Double_t v1)
- void SetStraightLineChi2Y (Double_t v1)
- void SetStraightLineNhitsX (Int_t v1)
- void SetStraightLineNhitsY (Int_t v1)
- void SetSimpleRadii (Double_t v1)
- void SetSimpleCurv (Double_t v1)
- void SetSimpleX0 (Double_t v1)
- void SetSimpleZ0 (Double_t v1)
- void SetSimpleChi2Pos (Double_t v1)
- void SetSimpleChi2Neg (Double_t v1)
- void SetSimpleChi2Cndn (Double_t v1)
- void SetSimpleAvgXPos (Double_t v1)
- void SetSimpleAvgXNeg (Double_t v1)
- void SetSimpleAvgXCndn (Double_t v1)
- void SetSimpleAvgXMeas (Double_t v1)
- void SetSimpleNhits (Int_t v1)
- Double_t GetStraightLineSlopeX ()
- Double_t GetStraightLineSlopeY ()
- Double_t GetStraightLineInterceptX ()
- Double_t GetStraightLineInterceptY ()
- Double_t GetStraightLineChi2X ()
- Double_t GetStraightLineChi2Y ()
- Int_t GetStraightLineNhitsX ()
- Int_t GetStraightLineNhitsY ()
- Double_t GetSimpleRadii ()

- Double_t GetSimpleCurv ()
- Double_t GetSimpleX0 ()
- Double_t GetSimpleZ0 ()
- Double_t GetSimpleChi2Pos ()
- Double_t GetSimpleChi2Neg ()
- Double_t GetSimpleChi2Cndn ()
- Double_t GetSimpleAvgXPos ()
- Double_t GetSimpleAvgXNeg ()
- Double_t GetSimpleAvgXCndn ()
- Double_t GetSimpleAvgXMeas ()
- Int_t GetSimpleNhits ()
- virtual void ClearMaps ()
- virtual void ClearUVT ()
- Float_t GetU (Int_t) const
- Float_t GetV (Int_t) const
- Float_t GetZ (Int_t) const
- Float_t GetTrackPointXError (Int_t) const
- Float_t GetTrackPointYError (Int_t) const
- Double_t GetT (Int_t) const
- Float_t GetdS (Int_t=-1) const
- Float_t GetRange (Int_t=-1) const
- Float_t Get2dS (Int_t=-1) const
- Float_t Get2Range (Int_t=-1) const
- Double_t GetVtxTrace () const
- Double_t GetVtxTraceZ () const
- Int_t GetVtxnActiveUpstream () const
- Double_t GetEndTrace () const
- Double_t GetEndTraceZ () const
- Int_t GetEndnActiveDownstream () const
- Double_t GetVtxDistToEdge () const
- Double_t GetEndDistToEdge () const
- virtual Double_t GetScore () const
- Double_t GetMomentum () const
- void SetMomentum (Double_t)
- Int_t GetNFinderHits () const
- void SetNFinderHits (Int_t vv)
- Double_t GetNewMomentum () const
- void SetNewMomentum (Double_t)
- Int_t GetNewFitOut () const
- void SetNewFitOut (Int_t)
- Double_t GetTheta () const
- void SetTheta (Double_t)
- Double_t GetPhi () const
- void SetPhi (Double_t)
- Double_t GetThErr () const
- void SetThErr (Double_t)
- Double_t GetPhErr () const
- void SetPhErr (Double_t)
- Double_t GetdSExtra () const
- void SetdSExtra (Double_t)
- Double_t GetRangeExtra () const
- void SetRangeExtra (Double_t)
- Int_t GetFitType () const
- void SetFitType (Int_t typ)
- Bool_t IsContained ()

- void SetNTrackStrip (Int_t)
- void SetNTrackDigit (Int_t)
- void SetNTimeFitDigit (Int_t)
- void SetTimeFitChi2 (Double_t)
- void SetTimeForwardFitRMS (Double_t)
- void SetTimeForwardFitNDOF (Int_t)
- void SetTimeBackwardFitRMS (Double_t)
- void SetTimeBackwardFitNDOF (Int_t)
- Int_t GetNTrackStrip () const
- Int_t GetNTrackDigit () const
- Int_t GetNTimeFitDigit () const
- Double_t GetTimeFitChi2 () const
- Double_t GetTimeForwardFitRMS () const
- Int_t GetTimeForwardFitNDOF () const
- Double_t GetTimeBackwardFitRMS () const
- Int_t GetTimeBackwardFitNDOF () const
- Int_t GetNDaughters () const
- Int_t GetNStrip (Int_t i) const
- Int_t GetNDigit (Int_t) const
- Int_t GetNPlane (Int_t) const
- Int_t GetBegPlane (Int_t) const
- Int_t GetEndPlane (Int_t) const
- double GetVtxXX () const
- void SetVtxXX (double)
- double GetVtxYY () const
- void SetVtxYY (double)
- double GetVtxTX () const
- void SetVtxTX (double)
- double GetVtxTY () const
- void SetVtxTY (double)
- double GetVtxdU () const
- void SetVtxdU (double)
- double GetVtxdV () const
- void SetVtxdV (double)
- void SetVtxU (Double_t)
- Double_t GetVtxU () const
- void SetVtxV (Double_t)
- Double_t GetVtxV () const
- void SetVtxZ (Double_t)
- Double_t GetVtxZ () const
- void SetVtxT (Double_t)
- Double_t GetVtxT () const
- void SetVtxPlane (Int_t)
- Int_t GetVtxPlane () const
- void SetEndU (Double_t)
- Double_t GetEndU () const
- void SetEndV (Double_t)
- Double_t GetEndV () const
- void SetEndZ (Double_t)
- Double_t GetEndZ () const
- void SetEndT (Double_t)
- Double_t GetEndT () const
- void SetEndPlane (Int_t)
- Int_t GetEndPlane () const
- void SetVtxDirCosU (Double_t)

- Double_t GetVtxDirCosU () const
- void SetVtxDirCosV (Double_t)
- Double_t GetVtxDirCosV () const
- void SetVtxDirCosZ (Double_t)
- Double_t GetVtxDirCosZ () const
- void SetEndDirCosU (Double_t)
- Double_t GetEndDirCosU () const
- void SetEndDirCosV (Double_t)
- Double_t GetEndDirCosV () const
- void SetEndDirCosZ (Double_t)
- Double_t GetEndDirCosZ () const
- void SetDirCosU (Double_t)
- Double_t GetDirCosU () const
- void SetDirCosV (Double_t)
- Double_t GetDirCosV () const
- void SetDirCosZ (Double_t)
- Double_t GetDirCosZ () const
- void SetTimeSlope (Double_t)
- Double_t GetTimeSlope () const
- void SetTimeOffset (Double_t)
- Double_t GetTimeOffset () const
- void SetNewTimeEndPlaneExp (Double_t ival1)
- Double_t GetNewTimeEndPlaneExp ()
- void SetNewTimeSlope (Double_t ival1)
- Double_t GetNewTimeSlope ()
- void SetNewTimeIntercept (Double_t ival1)
- Double_t GetNewTimeIntercept ()
- double GetVtxUdUError () const
- void SetVtxUdUError (double)
- double GetVtxUdVError () const
- void SetVtxUdVError (double)
- double GetVtxVdVError () const
- void SetVtxVdVError (double)
- double GetVtxVdUError () const
- void SetVtxVdUError (double)
- double GetVtxdUdVError () const
- void SetVtxdUdVError (double)
- double GetXdevLay1 () const
- void SetXdevLay1 (double)
- double GetYdevLay1 () const
- void SetYdevLay1 (double)
- double GetXdevLay2 () const
- void SetXdevLay2 (double)
- double GetYdevLay2 () const
- void SetYdevLay2 (double)
- double GetXdevLay3 () const
- void SetXdevLay3 (double)
- double GetYdevLay3 () const
- void SetYdevLay3 (double)
- double GetXdevLay4 () const
- void SetXdevLay4 (double)
- double GetYdevLay4 () const
- void SetYdevLay4 (double)
- double GetXdevLay5 () const
- void SetXdevLay5 (double)

- double GetYdevLay5 () const
- void SetYdevLay5 (double)
- double GetXdevLay6 () const
- void SetXdevLay6 (double)
- double GetYdevLay6 () const
- void SetYdevLay6 (double)
- double GetXdevLay7 () const
- void SetXdevLay7 (double)
- double GetYdevLay7 () const
- void SetYdevLay7 (double)
- double GetXdevLay8 () const
- void SetXdevLay8 (double)
- double GetYdevLay8 () const
- void SetYdevLay8 (double)
- double GetXdevLay9 () const
- void SetXdevLay9 (double)
- double GetYdevLay9 () const
- void SetYdevLay9 (double)
- double GetXdevLay10 () const
- void SetXdevLay10 (double)
- double GetYdevLay10 () const
- void SetYdevLay10 (double)
- double GetXdevLay11 () const
- void SetXdevLay11 (double)
- double GetYdevLay11 () const
- void SetYdevLay11 (double)
- double GetXdevLay12 () const
- void SetXdevLay12 (double)
- double GetYdevLay12 () const
- void SetYdevLay12 (double)
- void SetExtPara (double ∗extra)
- double GetExtPara (int ix)
- void SetRoofPara (double ∗extra)
- double GetRoofPara (int ix)
- Double_t GetPulse () const
- Double_t GetPlanePulse (Int_t iplane) const
- void SetFinderMomentum (double)
- double GetFinderMomentum () const
- void SetMomentumdS (double)
- double GetMomentumdS () const
- void SetMomentumRange (double)
- double GetMomentumRange () const
- void SetMomentumCurve (double)
- double GetMomentumCurve () const
- void SetEndMomentumCurve (double)
- double GetEndMomentumCurve () const
- double GetEMCharge () const
- void SetEMCharge (double)
- double GetVtxQPError () const
- void SetVtxQPError (double)
- double GetVtxUError () const
- void SetVtxUError (double)
- double GetVtxVError () const
- void SetVtxVError (double)
- double GetVtxdUError () const

- void SetVtxdUError (double)
- double GetVtxdVError () const
- void SetVtxdVError (double)
- void SetBave (Double_t)
- Double_t GetBave () const
- void SetEndQP (Double_t)
- void SetPlaneChi2 (Int_t, Double_t)
- void SetPlaneQP (Int_t, Double_t)
- void SetPlaneStateVector (int, int, double)
- double GetPlaneStateVector (int, int) const
- void SetPlaneCovMatrix (int, int, int, double)
- double GetPlaneCovMatrix (int, int, int) const
- void SetEndUError (Double_t)
- void SetEndVError (Double_t)
- void SetEnddUError (Double_t)
- void SetEnddVError (Double_t)
- void SetEndQPError (Double_t)
- void SetNSwimFail (Int_t)
- Double_t GetEndQP () const
- Float_t GetPlaneChi2 (Int_t) const
- Float_t GetPlaneQP (Int_t) const
- Double_t GetEndUError () const
- Double_t GetEndVError () const
- Double_t GetEnddUError () const
- Double_t GetEnddVError () const
- Double_t GetEndQPError () const
- Int_t GetNSwimFail () const
- Int_t GetNhitsEndPlane () const
- Int_t GetNhitsEndPlaneM1 () const
- void SetNhitsEndPlane (Int_t v1)
- void SetNhitsEndPlaneM1 (Int_t v1)
- Double_t GetChi2 () const
- Double_t Getcval () const
- void SetChi2 (Double_t)
- void Setcval (Double_t c)
- Double_t GetChi22 () const
- void SetChi22 (Double_t)
- Int_t GetNDOF () const
- void SetNDOF (Int_t)
- Double_t GetRangeBiasedQP () const
- void SetRangeBiasedQP (Double_t qp)
- Int_t GetNIterate () const
- void SetNIterate (Int_t nit)
- unsigned int GetClusterEntries () const
- void SetEndRPCmod (Int_t ivar)
- void SetVtxRPCmod (Int_t ivar)
- Int_t GetVtxRPCmod ()
- Int_t GetEndRPCmod ()
- unsigned int GetEntries () const

Public Attributes

- map< const InoHit ∗, Int_t > fInShower
- map< Int_t, Float_t > fUPos
- map< Int_t, Float_t > fVPos
- map< Int_t, Float_t > fdS
- map< Int_t, Float_t > fRange
- map< Int_t, Float_t > fXPosError
- map< Int_t, Float_t > fYPosError
- map< Int_t, Double_t > fTime [2]
- map< Int_t, Float_t > f2dS
- map< Int_t, Float_t > f2Range
- Double_t fVtxTrace
- Double_t fVtxTraceZ
- Double_t fEndTrace
- Double_t fEndTraceZ
- Double_t fVtxDistToEdge
- Double_t fEndDistToEdge
- Int_t fVtxnActiveUpstream
- Int_t fEndnActiveDownstream
- Int_t fNTrackStrip
- Int_t fNTrackDigit
- Int_t fNTimeFitDigit
- Double_t fTimeFitChi2
- Double_t fTimeForwardFitRMS
- Int_t fTimeForwardFitNDOF
- Double_t fTimeBackwardFitRMS
- Int_t fTimeBackwardFitNDOF
- Double_t fTimeSlope
- Double_t fTimeOffset
- Double_t fMomentum
- Double_t fNewMomentum
- Int_t fNewFitOut
- Double_t fTheta
- Double_t fPhi
- Double_t fErrTh
- Double_t fErrPh
- Int_t fNFinderHits
- Double_t NewTimeEndPlaneExp
- Double_t NewTimeSlope
- Double_t NewTimeIntercept
- Double_t fdSExtra
- Double_t fRangeExtra
- Double_t StraightLineSlopeX
- Double_t StraightLineSlopeY
- Double_t StraightLineInterceptX
- Double_t StraightLineInterceptY
- Double_t StraightLineChi2X
- Double_t StraightLineChi2Y
- Int_t StraightLineNhitsX
- Int_t StraightLineNhitsY
- Double_t SimpleRadii
- Double_t SimpleCurv
- Double_t SimpleX0
- Double_t SimpleZ0

- Double_t SimpleChi2Pos
- Double_t SimpleChi2Neg
- Double_t SimpleChi2Cndn
- Double_t SimpleAvgXPos
- Double_t SimpleAvgXNeg
- Double_t SimpleAvgXCndn
- Double_t SimpleAvgXMeas
- Int_t SimpleNhits
- InoTrack ∗ fTrack
- InoVertex ∗ fVertex
- InoVertex ∗ fTerm
- Double_t fExtPara [6]
- Double_t fRoofPara [6]
- vector< InoCluster ∗ > ClustsInTrack
- vector< float > xfitpos1
- vector< float > yfitpos1
- vector< float > zfitpos1
- vector< int > zfitlay1
- vector< float > filteredx0
- vector< float > filteredx1
- vector< float > filteredx2
- vector< float > filteredx3
- vector< float > filteredx4
- vector< float > filteredmom
- vector< float > filteredthe
- vector< float > filteredphi
- vector< int > filteredlay
- vector< float > extrapolx0
- vector< float > extrapolx1
- vector< float > extrapolmom
- vector< float > momvecdiff1
- vector< float > radialdiff1
- vector< InoHit ∗ > HitsNotInTrack

6.48.1 Constructor & Destructor Documentation

6.48.1.1 InoTrackCand() [1/3]

```
InoTrackCand::InoTrackCand ( )
```

6.48.1.2 InoTrackCand() [2/3]

```
InoTrackCand::InoTrackCand (
            const InoTrackCand & cdh )
```

6.48.1.3 InoTrackCand() [3/3]

```
InoTrackCand::InoTrackCand (
            InoTrack * trk,
            bool forward )
```

6.48.1.4 ∼InoTrackCand()

```
InoTrackCand::∼InoTrackCand ( )  [virtual]
```

6.48.2 Member Function Documentation

6.48.2.1 ClearMaps()

```
void InoTrackCand::ClearMaps ( )  [virtual]
```

6.48.2.2 ClearUVT()

```
void InoTrackCand::ClearUVT ( )  [virtual]
```

6.48.2.3 Get2dS()

```
Float_t InoTrackCand::Get2dS (
            Int_t plane = −1 ) const
```

6.48.2.4 Get2Range()

```
Float_t InoTrackCand::Get2Range (
            Int_t plane = −1 ) const
```

6.48.2.5 GetBave()

```
Double_t InoTrackCand::GetBave ( ) const
```

6.48.2.6 GetBegPlane()

```
Int_t InoTrackCand::GetBegPlane (
            Int_t iuv ) const
```

6.48.2.7 GetChi2()

```
Double_t InoTrackCand::GetChi2 ( ) const
```

6.48.2.8 GetChi22()

```
Double_t InoTrackCand::GetChi22 ( ) const
```

6.48.2.9 GetClusterEntries()

```
unsigned int InoTrackCand::GetClusterEntries ( ) const  [inline]
```

6.48.2.10 Getcval()

```
Double_t InoTrackCand::Getcval ( ) const  [inline]
```

6.48.2.11 GetDirCosU()

```
Double_t InoTrackCand::GetDirCosU ( ) const
```

6.48.2.12 GetDirCosV()

```
Double_t InoTrackCand::GetDirCosV ( ) const
```

6.48.2.13 GetDirCosZ()

```
Double_t InoTrackCand::GetDirCosZ ( ) const
```

6.48.2.14 GetdS()

```
Float_t InoTrackCand::GetdS (
          Int_t plane = −1 ) const
```

6.48.2.15 GetdSExtra()

```
Double_t InoTrackCand::GetdSExtra ( ) const
```

6.48.2.16 GetEMCharge()

```
double InoTrackCand::GetEMCharge ( ) const
```

6.48.2.17 GetEndDirCosU()

```
Double_t InoTrackCand::GetEndDirCosU ( ) const
```

6.48.2.18 GetEndDirCosV()

```
Double_t InoTrackCand::GetEndDirCosV ( ) const
```

6.48.2.19 GetEndDirCosZ()

```
Double_t InoTrackCand::GetEndDirCosZ ( ) const
```

6.48.2.20 GetEndDistToEdge()

```
Double_t InoTrackCand::GetEndDistToEdge ( ) const
```

6.48.2.21 GetEnddUError()

```
Double_t InoTrackCand::GetEnddUError ( ) const
```

6.48.2.22 GetEnddVError()

```
Double_t InoTrackCand::GetEnddVError ( ) const
```

6.48.2.23 GetEndMomentumCurve()

```
double InoTrackCand::GetEndMomentumCurve ( ) const
```

6.48.2.24 GetEndnActiveDownstream()

```
Int_t InoTrackCand::GetEndnActiveDownstream ( ) const
```

6.48.2.25 GetEndPlane() [1/2]

```
Int_t InoTrackCand::GetEndPlane ( ) const
```

6.48.2.26 GetEndPlane() [2/2]

```
Int_t InoTrackCand::GetEndPlane (
            Int_t iuv ) const
```

6.48.2.27 GetEndQP()

```
Double_t InoTrackCand::GetEndQP ( ) const
```

6.48.2.28 GetEndQPError()

```
Double_t InoTrackCand::GetEndQPError ( ) const
```

6.48.2.29 GetEndRPCmod()

```
Int_t InoTrackCand::GetEndRPCmod ( )
```

6.48.2.30 GetEndT()

```
Double_t InoTrackCand::GetEndT ( ) const
```

6.48.2.31 GetEndTrace()

```
Double_t InoTrackCand::GetEndTrace ( ) const
```

6.48.2.32 GetEndTraceZ()

```
Double_t InoTrackCand::GetEndTraceZ ( ) const
```

6.48.2.33 GetEndU()

```
Double_t InoTrackCand::GetEndU ( ) const
```

6.48.2.34 GetEndUError()

```
Double_t InoTrackCand::GetEndUError ( ) const
```

6.48.2.35 GetEndV()

```
Double_t InoTrackCand::GetEndV ( ) const
```

6.48.2.36 GetEndVError()

```
Double_t InoTrackCand::GetEndVError ( ) const
```

6.48.2.37 GetEndZ()

```
Double_t InoTrackCand::GetEndZ ( ) const
```

6.48.2.38 GetEntries()

```
unsigned int InoTrackCand::GetEntries ( ) const  [inline]
```

6.48.2.39 GetExtPara()

```
double InoTrackCand::GetExtPara (
            int ix )
```

6.48.2.40 GetFCPC()

```
int InoTrackCand::GetFCPC ( ) const
```

6.48.2.41 GetFinderMomentum()

```
double InoTrackCand::GetFinderMomentum ( ) const
```

6.48.2.42 GetFitType()

```
Int_t InoTrackCand::GetFitType ( ) const  [inline]
```

6.48.2.43 GetMomentum()

```
Double_t InoTrackCand::GetMomentum ( ) const
```

6.48.2.44 GetMomentumCurve()

```
double InoTrackCand::GetMomentumCurve ( ) const
```

6.48.2.45 GetMomentumdS()

```
double InoTrackCand::GetMomentumdS ( ) const
```

6.48.2.46 GetMomentumRange()

```
double InoTrackCand::GetMomentumRange ( ) const
```

6.48.2.47 GetNDaughters()

```
Int_t InoTrackCand::GetNDaughters ( ) const
```

6.48.2.48 GetNDigit()

```
Int_t InoTrackCand::GetNDigit (
          Int_t  ) const
```

6.48.2.49 GetNDOF()

```
Int_t InoTrackCand::GetNDOF ( ) const
```

6.48.2.50 GetNewFitOut()

```
Int_t InoTrackCand::GetNewFitOut ( ) const
```

6.48.2.51 GetNewMomentum()

```
Double_t InoTrackCand::GetNewMomentum ( ) const
```

6.48.2.52 GetNewTimeEndPlaneExp()

```
Double_t InoTrackCand::GetNewTimeEndPlaneExp ( )  [inline]
```

6.48.2.53 GetNewTimeIntercept()

```
Double_t InoTrackCand::GetNewTimeIntercept ( )  [inline]
```

6.48.2.54 GetNewTimeSlope()

```
Double_t InoTrackCand::GetNewTimeSlope ( )  [inline]
```

6.48.2.55 GetNFinderHits()

```
Int_t InoTrackCand::GetNFinderHits ( ) const  [inline]
```

6.48.2.56 GetNhitsEndPlane()

```
Int_t InoTrackCand::GetNhitsEndPlane ( ) const  [inline]
```

6.48.2.57 GetNhitsEndPlaneM1()

```
Int_t InoTrackCand::GetNhitsEndPlaneM1 ( ) const  [inline]
```

6.48.2.58 GetNIterate()

```
Int_t InoTrackCand::GetNIterate ( ) const
```

6.48.2.59 GetNPlane()

```
Int_t InoTrackCand::GetNPlane (
            Int_t iuv ) const
```

6.48.2.60 GetNStrip()

```
Int_t InoTrackCand::GetNStrip (
            Int_t i ) const
```

6.48.2.61 GetNSwimFail()

```
Int_t InoTrackCand::GetNSwimFail ( ) const
```

6.48.2.62 GetNTimeFitDigit()

```
Int_t InoTrackCand::GetNTimeFitDigit ( ) const
```

6.48.2.63 GetNTrackDigit()

```
Int_t InoTrackCand::GetNTrackDigit ( ) const
```

6.48.2.64 GetNTrackStrip()

```
Int_t InoTrackCand::GetNTrackStrip ( ) const
```

6.48.2.65 GetPhErr()

```
Double_t InoTrackCand::GetPhErr ( ) const
```

6.48.2.66 GetPhi()

```
Double_t InoTrackCand::GetPhi ( ) const
```

6.48.2.67 GetPlaneChi2()

```
Float_t InoTrackCand::GetPlaneChi2 (
            Int_t iplane ) const
```

6.48.2.68 GetPlaneCovMatrix()

```
double InoTrackCand::GetPlaneCovMatrix (
            int iplane,
            int ijss,
            int jkss ) const
```

6.48.2.69 GetPlanePulse()

```
Double_t InoTrackCand::GetPlanePulse (
            Int_t iplane ) const
```

6.48.2.70 GetPlaneQP()

```
Float_t InoTrackCand::GetPlaneQP (
            Int_t iplane ) const
```

6.48.2.71 GetPlaneStateVector()

```
double InoTrackCand::GetPlaneStateVector (
            int iplane,
            int ijss ) const
```

6.48.2.72 GetPulse()

```
Double_t InoTrackCand::GetPulse ( ) const
```

6.48.2.73 GetRange()

```
Float_t InoTrackCand::GetRange (
            Int_t plane = -1 ) const
```

6.48.2.74 GetRangeBiasedQP()

```
Double_t InoTrackCand::GetRangeBiasedQP ( ) const
```

6.48.2.75 GetRangeExtra()

```
Double_t InoTrackCand::GetRangeExtra ( ) const
```

6.48.2.76 GetRoofPara()

```
double InoTrackCand::GetRoofPara (
            int ix )
```

6.48.2.77 GetScore()

```
Double_t InoTrackCand::GetScore ( ) const  [virtual]
```

6.48.2.78 GetSimpleAvgXCndn()

```
Double_t InoTrackCand::GetSimpleAvgXCndn ( ) [inline]
```

6.48.2.79 GetSimpleAvgXMeas()

```
Double_t InoTrackCand::GetSimpleAvgXMeas ( ) [inline]
```

6.48.2.80 GetSimpleAvgXNeg()

```
Double_t InoTrackCand::GetSimpleAvgXNeg ( ) [inline]
```

6.48.2.81 GetSimpleAvgXPos()

```
Double_t InoTrackCand::GetSimpleAvgXPos ( ) [inline]
```

6.48.2.82 GetSimpleChi2Cndn()

```
Double_t InoTrackCand::GetSimpleChi2Cndn ( ) [inline]
```

6.48.2.83 GetSimpleChi2Neg()

```
Double_t InoTrackCand::GetSimpleChi2Neg ( ) [inline]
```

6.48.2.84 GetSimpleChi2Pos()

```
Double_t InoTrackCand::GetSimpleChi2Pos ( ) [inline]
```

6.48.2.85 GetSimpleCurv()

```
Double_t InoTrackCand::GetSimpleCurv ( ) [inline]
```

6.48.2.86 GetSimpleNhits()

```
Int_t InoTrackCand::GetSimpleNhits ( ) [inline]
```

6.48.2.87 GetSimpleRadii()

```
Double_t InoTrackCand::GetSimpleRadii ( ) [inline]
```

6.48.2.88 GetSimpleX0()

```
Double_t InoTrackCand::GetSimpleX0 ( ) [inline]
```

6.48.2.89 GetSimpleZ0()

```
Double_t InoTrackCand::GetSimpleZ0 ( ) [inline]
```

6.48.2.90 GetStraightLineChi2X()

```
Double_t InoTrackCand::GetStraightLineChi2X ( ) [inline]
```

6.48.2.91 GetStraightLineChi2Y()

```
Double_t InoTrackCand::GetStraightLineChi2Y ( ) [inline]
```

6.48.2.92 GetStraightLineInterceptX()

```
Double_t InoTrackCand::GetStraightLineInterceptX ( ) [inline]
```

6.48.2.93 GetStraightLineInterceptY()

```
Double_t InoTrackCand::GetStraightLineInterceptY ( ) [inline]
```

6.48.2.94 GetStraightLineNhitsX()

```
Int_t InoTrackCand::GetStraightLineNhitsX ( ) [inline]
```

6.48.2.95 GetStraightLineNhitsY()

```
Int_t InoTrackCand::GetStraightLineNhitsY ( ) [inline]
```

6.48.2.96 GetStraightLineSlopeX()

```
Double_t InoTrackCand::GetStraightLineSlopeX ( ) [inline]
```

6.48.2.97 GetStraightLineSlopeY()

```
Double_t InoTrackCand::GetStraightLineSlopeY ( ) [inline]
```

6.48.2.98 GetT()

```
Double_t InoTrackCand::GetT (
            Int_t plane ) const
```

6.48.2.99 GetThErr()

```
Double_t InoTrackCand::GetThErr ( ) const
```

6.48.2.100 GetTheta()

```
Double_t InoTrackCand::GetTheta ( ) const
```

6.48.2.101 GetTimeBackwardFitNDOF()

```
Int_t InoTrackCand::GetTimeBackwardFitNDOF ( ) const
```

6.48.2.102 GetTimeBackwardFitRMS()

```
Double_t InoTrackCand::GetTimeBackwardFitRMS ( ) const
```

6.48.2.103 GetTimeFitChi2()

```
Double_t InoTrackCand::GetTimeFitChi2 ( ) const
```

6.48.2.104 GetTimeForwardFitNDOF()

```
Int_t InoTrackCand::GetTimeForwardFitNDOF ( ) const
```

6.48.2.105 GetTimeForwardFitRMS()

```
Double_t InoTrackCand::GetTimeForwardFitRMS ( ) const
```

6.48.2.106 GetTimeOffset()

```
Double_t InoTrackCand::GetTimeOffset ( ) const
```

6.48.2.107 GetTimeSlope()

```
Double_t InoTrackCand::GetTimeSlope ( ) const
```

6.48.2.108 GetTrackPointXError()

```
Float_t InoTrackCand::GetTrackPointXError (
            Int_t plane ) const
```

6.48.2.109 GetTrackPointYError()

```
Float_t InoTrackCand::GetTrackPointYError (
            Int_t plane ) const
```

6.48.2.110 GetU()

```
Float_t InoTrackCand::GetU (
            Int_t plane ) const
```

6.48.2.111 GetV()

```
Float_t InoTrackCand::GetV (
            Int_t plane ) const
```

6.48.2.112 GetVtxDirCosU()

```
Double_t InoTrackCand::GetVtxDirCosU ( ) const
```

6.48.2.113 GetVtxDirCosV()

```
Double_t InoTrackCand::GetVtxDirCosV ( ) const
```

6.48.2.114 GetVtxDirCosZ()

```
Double_t InoTrackCand::GetVtxDirCosZ ( ) const
```

6.48.2.115 GetVtxDistToEdge()

```
Double_t InoTrackCand::GetVtxDistToEdge ( ) const
```

6.48.2.116 GetVtxdU()

```
double InoTrackCand::GetVtxdU ( ) const
```

6.48.2.117 GetVtxdUdVError()

```
double InoTrackCand::GetVtxdUdVError ( ) const
```

6.48.2.118 GetVtxdUError()

```
double InoTrackCand::GetVtxdUError ( ) const
```

6.48.2.119 GetVtxdV()

```
double InoTrackCand::GetVtxdV ( ) const
```

6.48.2.120 GetVtxdVError()

```
double InoTrackCand::GetVtxdVError ( ) const
```

6.48.2.121 GetVtxnActiveUpstream()

```
Int_t InoTrackCand::GetVtxnActiveUpstream ( ) const
```

6.48.2.122 GetVtxPlane()

```
Int_t InoTrackCand::GetVtxPlane ( ) const
```

6.48.2.123 GetVtxQPError()

```
double InoTrackCand::GetVtxQPError ( ) const
```

6.48.2.124 GetVtxRPCmod()

```
Int_t InoTrackCand::GetVtxRPCmod ( )
```

6.48.2.125 GetVtxT()

```
Double_t InoTrackCand::GetVtxT ( ) const
```

6.48.2.126 GetVtxTrace()

```
Double_t InoTrackCand::GetVtxTrace ( ) const
```

6.48.2.127 GetVtxTraceZ()

```
Double_t InoTrackCand::GetVtxTraceZ ( ) const
```

6.48.2.128 GetVtxTX()

```
double InoTrackCand::GetVtxTX ( ) const
```

6.48.2.129 GetVtxTY()

```
double InoTrackCand::GetVtxTY ( ) const
```

6.48.2.130 GetVtxU()

```
Double_t InoTrackCand::GetVtxU ( ) const
```

6.48.2.131 GetVtxUdUError()

```
double InoTrackCand::GetVtxUdUError ( ) const
```

6.48.2.132 GetVtxUdVError()

```
double InoTrackCand::GetVtxUdVError ( ) const
```

6.48.2.133 GetVtxUError()

```
double InoTrackCand::GetVtxUError ( ) const
```

6.48.2.134 GetVtxV()

```
Double_t InoTrackCand::GetVtxV ( ) const
```

6.48.2.135 GetVtxVdUError()

```
double InoTrackCand::GetVtxVdUError ( ) const
```

6.48.2.136 GetVtxVdVError()

```
double InoTrackCand::GetVtxVdVError ( ) const
```

6.48.2.137 GetVtxVError()

```
double InoTrackCand::GetVtxVError ( ) const
```

6.48.2.138 GetVtxXX()

```
double InoTrackCand::GetVtxXX ( ) const
```

6.48.2.139 GetVtxYY()

```
double InoTrackCand::GetVtxYY ( ) const
```

6.48.2.140 GetVtxZ()

```
Double_t InoTrackCand::GetVtxZ ( ) const
```

6.48.2.141 GetXdevLay1()

```
double InoTrackCand::GetXdevLay1 ( ) const
```

6.48.2.142 GetXdevLay10()

```
double InoTrackCand::GetXdevLay10 ( ) const
```

6.48.2.143 GetXdevLay11()

```
double InoTrackCand::GetXdevLay11 ( ) const
```

6.48.2.144 GetXdevLay12()

```
double InoTrackCand::GetXdevLay12 ( ) const
```

6.48.2.145 GetXdevLay2()

```
double InoTrackCand::GetXdevLay2 ( ) const
```

6.48.2.146 GetXdevLay3()

```
double InoTrackCand::GetXdevLay3 ( ) const
```

6.48.2.147 GetXdevLay4()

```
double InoTrackCand::GetXdevLay4 ( ) const
```

6.48.2.148 GetXdevLay5()

double InoTrackCand::GetXdevLay5 ( ) const

6.48.2.149 GetXdevLay6()

double InoTrackCand::GetXdevLay6 ( ) const

6.48.2.150 GetXdevLay7()

double InoTrackCand::GetXdevLay7 ( ) const

6.48.2.151 GetXdevLay8()

double InoTrackCand::GetXdevLay8 ( ) const

6.48.2.152 GetXdevLay9()

double InoTrackCand::GetXdevLay9 ( ) const

6.48.2.153 GetYdevLay1()

double InoTrackCand::GetYdevLay1 ( ) const

6.48.2.154 GetYdevLay10()

double InoTrackCand::GetYdevLay10 ( ) const

6.48.2.155 GetYdevLay11()

double InoTrackCand::GetYdevLay11 ( ) const

6.48.2.156 GetYdevLay12()

```
double InoTrackCand::GetYdevLay12 ( ) const
```

6.48.2.157 GetYdevLay2()

```
double InoTrackCand::GetYdevLay2 ( ) const
```

6.48.2.158 GetYdevLay3()

```
double InoTrackCand::GetYdevLay3 ( ) const
```

6.48.2.159 GetYdevLay4()

```
double InoTrackCand::GetYdevLay4 ( ) const
```

6.48.2.160 GetYdevLay5()

```
double InoTrackCand::GetYdevLay5 ( ) const
```

6.48.2.161 GetYdevLay6()

```
double InoTrackCand::GetYdevLay6 ( ) const
```

6.48.2.162 GetYdevLay7()

```
double InoTrackCand::GetYdevLay7 ( ) const
```

6.48.2.163 GetYdevLay8()

```
double InoTrackCand::GetYdevLay8 ( ) const
```

6.48.2.164 GetYdevLay9()

```
double InoTrackCand::GetYdevLay9 ( ) const
```

6.48.2.165 GetZ()

```
Float_t InoTrackCand::GetZ (
            Int_t plane ) const
```

6.48.2.166 IsContained()

```
bool InoTrackCand::IsContained ( )
```

6.48.2.167 Set2dS()

```
void InoTrackCand::Set2dS (
            Int_t plane,
            Float_t ds )
```

6.48.2.168 Set2Range()

```
void InoTrackCand::Set2Range (
            Int_t plane,
            Float_t g_cm2 )
```

6.48.2.169 SetBave()

```
void InoTrackCand::SetBave (
            Double_t bave )
```

6.48.2.170 SetChi2()

```
void InoTrackCand::SetChi2 (
            Double_t chi2 )
```

6.48.2.171 SetChi22()

```
void InoTrackCand::SetChi22 (
            Double_t chi22 )
```

6.48.2.172 Setcval()

```
void InoTrackCand::Setcval (
            Double_t c ) [inline]
```

6.48.2.173 SetDirCosU()

```
void InoTrackCand::SetDirCosU (
            Double_t dvar )
```

6.48.2.174 SetDirCosV()

```
void InoTrackCand::SetDirCosV (
            Double_t dvar )
```

6.48.2.175 SetDirCosZ()

```
void InoTrackCand::SetDirCosZ (
            Double_t dvar )
```

6.48.2.176 SetdS()

```
void InoTrackCand::SetdS (
            Int_t plane,
            Float_t ds )
```

6.48.2.177 SetdSExtra()

```
void InoTrackCand::SetdSExtra (
            Double_t dsextra )
```

6.48.2.178 SetEMCharge()

```
void InoTrackCand::SetEMCharge (
            double emcharge )
```

6.48.2.179 SetEndDirCosU()

```
void InoTrackCand::SetEndDirCosU (
            Double_t dvar )
```

6.48.2.180 SetEndDirCosV()

```
void InoTrackCand::SetEndDirCosV (
            Double_t dvar )
```

6.48.2.181 SetEndDirCosZ()

```
void InoTrackCand::SetEndDirCosZ (
            Double_t dvar )
```

6.48.2.182 SetEndDistToEdge()

```
void InoTrackCand::SetEndDistToEdge (
            Double_t dvar )
```

6.48.2.183 SetEnddUError()

```
void InoTrackCand::SetEnddUError (
            Double_t error )
```

6.48.2.184 SetEnddVError()

```
void InoTrackCand::SetEnddVError (
            Double_t error )
```

6.48.2.185 SetEndMomentumCurve()

```
void InoTrackCand::SetEndMomentumCurve (
            double momentum )
```

6.48.2.186 SetEndnActiveDownstream()

```
void InoTrackCand::SetEndnActiveDownstream (
            Int_t  )
```

6.48.2.187 SetEndPlane()

```
void InoTrackCand::SetEndPlane (
            Int_t ivar )
```

6.48.2.188 SetEndQP()

```
void InoTrackCand::SetEndQP (
            Double_t qp0 )
```

6.48.2.189 SetEndQPError()

```
void InoTrackCand::SetEndQPError (
            Double_t error )
```

6.48.2.190 SetEndRPCmod()

```
void InoTrackCand::SetEndRPCmod (
            Int_t ivar )
```

6.48.2.191 SetEndT()

```
void InoTrackCand::SetEndT (
            Double_t dvar )
```

6.48.2.192 SetEndTrace()

```
void InoTrackCand::SetEndTrace (
            Double_t dvar )
```

6.48.2.193 SetEndTraceZ()

```
void InoTrackCand::SetEndTraceZ (
            Double_t dvar )
```

6.48.2.194 SetEndU()

```
void InoTrackCand::SetEndU (
            Double_t dvar )
```

6.48.2.195 SetEndUError()

```
void InoTrackCand::SetEndUError (
            Double_t error )
```

6.48.2.196 SetEndV()

```
void InoTrackCand::SetEndV (
            Double_t dvar )
```

6.48.2.197 SetEndVError()

```
void InoTrackCand::SetEndVError (
            Double_t error )
```

6.48.2.198 SetEndZ()

```
void InoTrackCand::SetEndZ (
            Double_t dvar )
```

6.48.2.199 SetExtPara()

```
void InoTrackCand::SetExtPara (
            double * extra )
```

6.48.2.200 SetFCPC()

```
void InoTrackCand::SetFCPC (
            int val )
```

6.48.2.201 SetFinderMomentum()

```
void InoTrackCand::SetFinderMomentum (
            double momentum )
```

6.48.2.202 SetFitType()

```
void InoTrackCand::SetFitType (
            Int_t typ )  [inline]
```

6.48.2.203 SetMomentum()

```
void InoTrackCand::SetMomentum (
            Double_t momentum )
```

6.48.2.204 SetMomentumCurve()

```
void InoTrackCand::SetMomentumCurve (
            double momentum )
```

6.48.2.205 SetMomentumdS()

```
void InoTrackCand::SetMomentumdS (
            double momentum )
```

6.48.2.206 SetMomentumRange()

```
void InoTrackCand::SetMomentumRange (
            double momentum )
```

6.48.2.207 SetNDOF()

```
void InoTrackCand::SetNDOF (
            Int_t ndof )
```

6.48.2.208 SetNewFitOut()

```
void InoTrackCand::SetNewFitOut (
            Int_t momentum )
```

6.48.2.209 SetNewMomentum()

```
void InoTrackCand::SetNewMomentum (
            Double_t momentum )
```

6.48.2.210 SetNewTimeEndPlaneExp()

```
void InoTrackCand::SetNewTimeEndPlaneExp (
            Double_t ival1 ) [inline]
```

6.48.2.211 SetNewTimeIntercept()

```
void InoTrackCand::SetNewTimeIntercept (
            Double_t ival1 ) [inline]
```

6.48.2.212 SetNewTimeSlope()

```
void InoTrackCand::SetNewTimeSlope (
            Double_t ival1 ) [inline]
```

6.48.2.213 SetNFinderHits()

```
void InoTrackCand::SetNFinderHits (
            Int_t vv ) [inline]
```

6.48.2.214 SetNhitsEndPlane()

```
void InoTrackCand::SetNhitsEndPlane (
            Int_t v1 ) [inline]
```

6.48.2.215 SetNhitsEndPlaneM1()

```
void InoTrackCand::SetNhitsEndPlaneM1 (
            Int_t v1 ) [inline]
```

6.48.2.216 SetNIterate()

```
void InoTrackCand::SetNIterate (
            Int_t nit )
```

6.48.2.217 SetNSwimFail()

```
void InoTrackCand::SetNSwimFail (
            Int_t nswimfail )
```

6.48.2.218 SetNTimeFitDigit()

```
void InoTrackCand::SetNTimeFitDigit (
            Int_t n )
```

6.48.2.219 SetNTrackDigit()

```
void InoTrackCand::SetNTrackDigit (
            Int_t n )
```

6.48.2.220 SetNTrackStrip()

```
void InoTrackCand::SetNTrackStrip (
            Int_t n )
```

6.48.2.221 SetPhErr()

```
void InoTrackCand::SetPhErr (
            Double_t errph )
```

6.48.2.222 SetPhi()

```
void InoTrackCand::SetPhi (
            Double_t phi )
```

6.48.2.223 SetPlaneChi2()

```
void InoTrackCand::SetPlaneChi2 (
            Int_t iplane,
            Double_t chi2 )
```

6.48.2.224 SetPlaneCovMatrix()

```
void InoTrackCand::SetPlaneCovMatrix (
            int iplane,
            int ijss,
            int jkss,
            double values )
```

6.48.2.225 SetPlaneQP()

```
void InoTrackCand::SetPlaneQP (
            Int_t iplane,
            Double_t qp )
```

6.48.2.226 SetPlaneStateVector()

```
void InoTrackCand::SetPlaneStateVector (
            int iplane,
            int ijss,
            double values )
```

6.48.2.227 SetRange()

```
void InoTrackCand::SetRange (
            Int_t plane,
            Float_t g_cm2 )
```

6.48.2.228 SetRangeBiasedQP()

```
void InoTrackCand::SetRangeBiasedQP (
            Double_t qp )
```

6.48.2.229 SetRangeExtra()

```
void InoTrackCand::SetRangeExtra (
            Double_t rangeextra )
```

6.48.2.230 SetRoofPara()

```
void InoTrackCand::SetRoofPara (
            double * extra )
```

6.48.2.231 SetSimpleAvgXCndn()

```
void InoTrackCand::SetSimpleAvgXCndn (
            Double_t v1 ) [inline]
```

6.48.2.232 SetSimpleAvgXMeas()

```
void InoTrackCand::SetSimpleAvgXMeas (
            Double_t v1 ) [inline]
```

6.48.2.233 SetSimpleAvgXNeg()

```
void InoTrackCand::SetSimpleAvgXNeg (
            Double_t v1 ) [inline]
```

6.48.2.234 SetSimpleAvgXPos()

```
void InoTrackCand::SetSimpleAvgXPos (
            Double_t v1 ) [inline]
```

6.48.2.235 SetSimpleChi2Cndn()

```
void InoTrackCand::SetSimpleChi2Cndn (
            Double_t v1 ) [inline]
```

6.48.2.236 SetSimpleChi2Neg()

```
void InoTrackCand::SetSimpleChi2Neg (
            Double_t v1 ) [inline]
```

6.48.2.237 SetSimpleChi2Pos()

```
void InoTrackCand::SetSimpleChi2Pos (
            Double_t v1 ) [inline]
```

6.48.2.238 SetSimpleCurv()

```
void InoTrackCand::SetSimpleCurv (
            Double_t v1 ) [inline]
```

6.48.2.239 SetSimpleNhits()

```
void InoTrackCand::SetSimpleNhits (
            Int_t v1 ) [inline]
```

6.48.2.240 SetSimpleRadii()

```
void InoTrackCand::SetSimpleRadii (
            Double_t v1 ) [inline]
```

6.48.2.241 SetSimpleX0()

```
void InoTrackCand::SetSimpleX0 (
            Double_t v1 ) [inline]
```

6.48.2.242 SetSimpleZ0()

```
void InoTrackCand::SetSimpleZ0 (
            Double_t v1 ) [inline]
```

6.48.2.243 SetStraightLineChi2X()

```
void InoTrackCand::SetStraightLineChi2X (
            Double_t v1 ) [inline]
```

6.48.2.244 SetStraightLineChi2Y()

```
void InoTrackCand::SetStraightLineChi2Y (
            Double_t v1 ) [inline]
```

6.48.2.245 SetStraightLineInterceptX()

```
void InoTrackCand::SetStraightLineInterceptX (
            Double_t v1 ) [inline]
```

6.48.2.246 SetStraightLineInterceptY()

```
void InoTrackCand::SetStraightLineInterceptY (
            Double_t v1 ) [inline]
```

6.48.2.247 SetStraightLineNhitsX()

```
void InoTrackCand::SetStraightLineNhitsX (
            Int_t v1 ) [inline]
```

6.48.2.248 SetStraightLineNhitsY()

```
void InoTrackCand::SetStraightLineNhitsY (
            Int_t v1 ) [inline]
```

6.48.2.249 SetStraightLineSlopeX()

```
void InoTrackCand::SetStraightLineSlopeX (
            Double_t v1 ) [inline]
```

6.48.2.250 SetStraightLineSlopeY()

```
void InoTrackCand::SetStraightLineSlopeY (
            Double_t v1 ) [inline]
```

6.48.2.251 SetT()

```
void InoTrackCand::SetT (
            Int_t plane,
            Double_t time )
```

6.48.2.252 SetThErr()

```
void InoTrackCand::SetThErr (
            Double_t aerrth )
```

6.48.2.253 SetTheta()

```
void InoTrackCand::SetTheta (
            Double_t theta )
```

6.48.2.254 SetTimeBackwardFitNDOF()

```
void InoTrackCand::SetTimeBackwardFitNDOF (
            Int_t x )
```

6.48.2.255 SetTimeBackwardFitRMS()

```
void InoTrackCand::SetTimeBackwardFitRMS (
            Double_t x )
```

6.48.2.256 SetTimeFitChi2()

```
void InoTrackCand::SetTimeFitChi2 (
            Double_t x )
```

6.48.2.257 SetTimeForwardFitNDOF()

```
void InoTrackCand::SetTimeForwardFitNDOF (
            Int_t x )
```

6.48.2.258 SetTimeForwardFitRMS()

```
void InoTrackCand::SetTimeForwardFitRMS (
            Double_t x )
```

6.48.2.259 SetTimeOffset()

```
void InoTrackCand::SetTimeOffset (
            Double_t dvar )
```

6.48.2.260 SetTimeSlope()

```
void InoTrackCand::SetTimeSlope (
            Double_t dvar )
```

6.48.2.261 SetTrackPointXError()

```
void InoTrackCand::SetTrackPointXError (
            Int_t plane,
            Float_t tpos )
```

6.48.2.262 SetTrackPointYError()

```
void InoTrackCand::SetTrackPointYError (
            Int_t plane,
            Float_t tpos )
```

6.48.2.263 SetU()

```
void InoTrackCand::SetU (
            Int_t plane,
            Float_t tpos )
```

6.48.2.264 SetV()

```
void InoTrackCand::SetV (
            Int_t plane,
            Float_t tpos )
```

6.48.2.265 SetVtxDirCosU()

```
void InoTrackCand::SetVtxDirCosU (
            Double_t dvar )
```

6.48.2.266 SetVtxDirCosV()

```
void InoTrackCand::SetVtxDirCosV (
            Double_t dvar )
```

6.48.2.267 SetVtxDirCosZ()

```
void InoTrackCand::SetVtxDirCosZ (
            Double_t dvar )
```

6.48.2.268 SetVtxDistToEdge()

```
void InoTrackCand::SetVtxDistToEdge (
            Double_t dvar )
```

6.48.2.269 SetVtxdU()

```
void InoTrackCand::SetVtxdU (
            double tx )
```

6.48.2.270 SetVtxdUdVError()

```
void InoTrackCand::SetVtxdUdVError (
            double error )
```

6.48.2.271 SetVtxdUError()

```
void InoTrackCand::SetVtxdUError (
            double error )
```

6.48.2.272 SetVtxdV()

```
void InoTrackCand::SetVtxdV (
            double ty )
```

6.48.2.273 SetVtxdVError()

```
void InoTrackCand::SetVtxdVError (
            double error )
```

6.48.2.274 SetVtxnActiveUpstream()

```
void InoTrackCand::SetVtxnActiveUpstream (
            Int_t  )
```

6.48.2.275 SetVtxPlane()

```
void InoTrackCand::SetVtxPlane (
            Int_t ivar )
```

6.48.2.276 SetVtxQPError()

```
void InoTrackCand::SetVtxQPError (
            double error )
```

6.48.2.277 SetVtxRPCmod()

```
void InoTrackCand::SetVtxRPCmod (
            Int_t ivar )
```

6.48.2.278 SetVtxT()

```
void InoTrackCand::SetVtxT (
            Double_t dvar )
```

6.48.2.279 SetVtxTrace()

```
void InoTrackCand::SetVtxTrace (
            Double_t dvar )
```

6.48.2.280 SetVtxTraceZ()

```
void InoTrackCand::SetVtxTraceZ (
            Double_t dvar )
```

6.48.2.281 SetVtxTX()

```
void InoTrackCand::SetVtxTX (
            double TX )
```

6.48.2.282 SetVtxTY()

```
void InoTrackCand::SetVtxTY (
            double TY )
```

6.48.2.283 SetVtxU()

```
void InoTrackCand::SetVtxU (
            Double_t dvar )
```

6.48.2.284 SetVtxUdUError()

```
void InoTrackCand::SetVtxUdUError (
            double error )
```

6.48.2.285 SetVtxUdVError()

```
void InoTrackCand::SetVtxUdVError (
            double error )
```

6.48.2.286 SetVtxUError()

```
void InoTrackCand::SetVtxUError (
            double error )
```

6.48.2.287 SetVtxV()

```
void InoTrackCand::SetVtxV (
            Double_t dvar )
```

6.48.2.288 SetVtxVdUError()

```
void InoTrackCand::SetVtxVdUError (
            double error )
```

6.48.2.289 SetVtxVdVError()

```
void InoTrackCand::SetVtxVdVError (
            double error )
```

6.48.2.290 SetVtxVError()

```
void InoTrackCand::SetVtxVError (
            double error )
```

6.48.2.291 SetVtxXX()

```
void InoTrackCand::SetVtxXX (
            double XX )
```

6.48.2.292 SetVtxYY()

```
void InoTrackCand::SetVtxYY (
            double YY )
```

6.48.2.293 SetVtxZ()

```
void InoTrackCand::SetVtxZ (
            Double_t dvar )
```

6.48.2.294 SetXdevLay1()

```
void InoTrackCand::SetXdevLay1 (
            double  )
```

6.48.2.295 SetXdevLay10()

```
void InoTrackCand::SetXdevLay10 (
            double  )
```

6.48.2.296 SetXdevLay11()

```
void InoTrackCand::SetXdevLay11 (
            double  )
```

6.48.2.297 SetXdevLay12()

```
void InoTrackCand::SetXdevLay12 (
            double  )
```

6.48.2.298 SetXdevLay2()

```
void InoTrackCand::SetXdevLay2 (
            double  )
```

6.48.2.299 SetXdevLay3()

```
void InoTrackCand::SetXdevLay3 (
            double  )
```

6.48.2.300 SetXdevLay4()

```
void InoTrackCand::SetXdevLay4 (
            double  )
```

6.48.2.301 SetXdevLay5()

```
void InoTrackCand::SetXdevLay5 (
            double  )
```

6.48.2.302 SetXdevLay6()

```
void InoTrackCand::SetXdevLay6 (
            double  )
```

6.48.2.303 SetXdevLay7()

```
void InoTrackCand::SetXdevLay7 (
            double  )
```

6.48.2.304 SetXdevLay8()

```
void InoTrackCand::SetXdevLay8 (
            double  )
```

6.48.2.305 SetXdevLay9()

```
void InoTrackCand::SetXdevLay9 (
            double  )
```

6.48.2.306 SetYdevLay1()

```
void InoTrackCand::SetYdevLay1 (
            double  )
```

6.48.2.307 SetYdevLay10()

```
void InoTrackCand::SetYdevLay10 (
            double  )
```

6.48.2.308 SetYdevLay11()

```
void InoTrackCand::SetYdevLay11 (
            double  )
```

6.48.2.309 SetYdevLay12()

```
void InoTrackCand::SetYdevLay12 (
            double  )
```

6.48.2.310 SetYdevLay2()

```
void InoTrackCand::SetYdevLay2 (
            double  )
```

6.48.2.311 SetYdevLay3()

```
void InoTrackCand::SetYdevLay3 (
            double  )
```

6.48.2.312 SetYdevLay4()

```
void InoTrackCand::SetYdevLay4 (
            double  )
```

6.48.2.313 SetYdevLay5()

```
void InoTrackCand::SetYdevLay5 (
            double  )
```

6.48.2.314 SetYdevLay6()

```
void InoTrackCand::SetYdevLay6 (
            double  )
```

6.48.2.315 SetYdevLay7()

```
void InoTrackCand::SetYdevLay7 (
            double  )
```

6.48.2.316 SetYdevLay8()

```
void InoTrackCand::SetYdevLay8 (
            double  )
```

6.48.2.317 SetYdevLay9()

```
void InoTrackCand::SetYdevLay9 (
            double  )
```

6.48.2.318 Trace()

```
void InoTrackCand::Trace (
            const char * c = "" ) const  [virtual]
```

6.48.3 Member Data Documentation

6.48.3.1 ClustsInTrack

```
vector<InoCluster*> InoTrackCand::ClustsInTrack
```

6.48.3.2 extrapolmom

```
vector<float> InoTrackCand::extrapolmom
```

6.48.3.3 extrapolx0

```
vector<float> InoTrackCand::extrapolx0
```

6.48.3.4 extrapolx1

```
vector<float> InoTrackCand::extrapolx1
```

6.48.3.5 f2dS

```
map<Int_t,Float_t> InoTrackCand::f2dS  [mutable]
```

6.48.3.6 f2Range

```
map<Int_t,Float_t> InoTrackCand::f2Range  [mutable]
```

6.48.3.7 fdS

```
map<Int_t,Float_t> InoTrackCand::fdS  [mutable]
```

6.48.3.8 fdSExtra

```
Double_t InoTrackCand::fdSExtra
```

6.48.3.9 fEndDistToEdge

```
Double_t InoTrackCand::fEndDistToEdge
```

6.48.3.10 fEndnActiveDownstream

```
Int_t InoTrackCand::fEndnActiveDownstream
```

6.48.3.11 fEndTrace

```
Double_t InoTrackCand::fEndTrace
```

6.48.3.12 fEndTraceZ

```
Double_t InoTrackCand::fEndTraceZ
```

6.48.3.13 fErrPh

```
Double_t InoTrackCand::fErrPh
```

6.48.3.14 fErrTh

```
Double_t InoTrackCand::fErrTh
```

6.48.3.15 fExtPara

```
Double_t InoTrackCand::fExtPara[6]
```

6.48.3.16 filteredlay

```
vector<int> InoTrackCand::filteredlay
```

6.48.3.17 filteredmom

```
vector<float> InoTrackCand::filteredmom
```

6.48.3.18 filteredphi

```
vector<float> InoTrackCand::filteredphi
```

6.48.3.19 filteredthe

```
vector<float> InoTrackCand::filteredthe
```

6.48.3.20 filteredx0

vector<float> InoTrackCand::filteredx0

6.48.3.21 filteredx1

vector<float> InoTrackCand::filteredx1

6.48.3.22 filteredx2

vector<float> InoTrackCand::filteredx2

6.48.3.23 filteredx3

vector<float> InoTrackCand::filteredx3

6.48.3.24 filteredx4

vector<float> InoTrackCand::filteredx4

6.48.3.25 fInShower

map<const InoHit*, Int_t> InoTrackCand::fInShower [mutable]

6.48.3.26 fMomentum

Double_t InoTrackCand::fMomentum

6.48.3.27 fNewFitOut

Int_t InoTrackCand::fNewFitOut

6.48.3.28 fNewMomentum

`Double_t InoTrackCand::fNewMomentum`

6.48.3.29 fNFinderHits

`Int_t InoTrackCand::fNFinderHits`

6.48.3.30 fNTimeFitDigit

`Int_t InoTrackCand::fNTimeFitDigit`

6.48.3.31 fNTrackDigit

`Int_t InoTrackCand::fNTrackDigit`

6.48.3.32 fNTrackStrip

`Int_t InoTrackCand::fNTrackStrip`

6.48.3.33 fPhi

`Double_t InoTrackCand::fPhi`

6.48.3.34 fRange

`map<Int_t,Float_t> InoTrackCand::fRange  [mutable]`

6.48.3.35 fRangeExtra

`Double_t InoTrackCand::fRangeExtra`

6.48.3.36 fRoofPara

```
Double_t InoTrackCand::fRoofPara[6]
```

6.48.3.37 fTerm

```
InoVertex* InoTrackCand::fTerm
```

6.48.3.38 fTheta

```
Double_t InoTrackCand::fTheta
```

6.48.3.39 fTime

```
map<Int_t,Double_t> InoTrackCand::fTime[2]  [mutable]
```

6.48.3.40 fTimeBackwardFitNDOF

```
Int_t InoTrackCand::fTimeBackwardFitNDOF
```

6.48.3.41 fTimeBackwardFitRMS

```
Double_t InoTrackCand::fTimeBackwardFitRMS
```

6.48.3.42 fTimeFitChi2

```
Double_t InoTrackCand::fTimeFitChi2
```

6.48.3.43 fTimeForwardFitNDOF

```
Int_t InoTrackCand::fTimeForwardFitNDOF
```

6.48.3.44 fTimeForwardFitRMS

`Double_t InoTrackCand::fTimeForwardFitRMS`

6.48.3.45 fTimeOffset

`Double_t InoTrackCand::fTimeOffset`

6.48.3.46 fTimeSlope

`Double_t InoTrackCand::fTimeSlope`

6.48.3.47 fTrack

`InoTrack* InoTrackCand::fTrack`

6.48.3.48 fUPos

`map<Int_t,Float_t> InoTrackCand::fUPos  [mutable]`

6.48.3.49 fVertex

`InoVertex* InoTrackCand::fVertex`

6.48.3.50 fVPos

`map<Int_t,Float_t> InoTrackCand::fVPos  [mutable]`

6.48.3.51 fVtxDistToEdge

`Double_t InoTrackCand::fVtxDistToEdge`

6.48.3.52 fVtxnActiveUpstream

```
Int_t InoTrackCand::fVtxnActiveUpstream
```

6.48.3.53 fVtxTrace

```
Double_t InoTrackCand::fVtxTrace
```

6.48.3.54 fVtxTraceZ

```
Double_t InoTrackCand::fVtxTraceZ
```

6.48.3.55 fXPosError

```
map<Int_t,Float_t> InoTrackCand::fXPosError  [mutable]
```

6.48.3.56 fYPosError

```
map<Int_t,Float_t> InoTrackCand::fYPosError  [mutable]
```

6.48.3.57 HitsNotInTrack

```
vector<InoHit*> InoTrackCand::HitsNotInTrack
```

6.48.3.58 momvecdiff1

```
vector<float> InoTrackCand::momvecdiff1
```

6.48.3.59 NewTimeEndPlaneExp

```
Double_t InoTrackCand::NewTimeEndPlaneExp
```

6.48.3.60 NewTimeIntercept

`Double_t InoTrackCand::NewTimeIntercept`

6.48.3.61 NewTimeSlope

`Double_t InoTrackCand::NewTimeSlope`

6.48.3.62 radialdiff1

`vector<float> InoTrackCand::radialdiff1`

6.48.3.63 SimpleAvgXCndn

`Double_t InoTrackCand::SimpleAvgXCndn`

6.48.3.64 SimpleAvgXMeas

`Double_t InoTrackCand::SimpleAvgXMeas`

6.48.3.65 SimpleAvgXNeg

`Double_t InoTrackCand::SimpleAvgXNeg`

6.48.3.66 SimpleAvgXPos

`Double_t InoTrackCand::SimpleAvgXPos`

6.48.3.67 SimpleChi2Cndn

`Double_t InoTrackCand::SimpleChi2Cndn`

6.48.3.68 SimpleChi2Neg

`Double_t InoTrackCand::SimpleChi2Neg`

6.48.3.69 SimpleChi2Pos

`Double_t InoTrackCand::SimpleChi2Pos`

6.48.3.70 SimpleCurv

`Double_t InoTrackCand::SimpleCurv`

6.48.3.71 SimpleNhits

`Int_t InoTrackCand::SimpleNhits`

6.48.3.72 SimpleRadii

`Double_t InoTrackCand::SimpleRadii`

6.48.3.73 SimpleX0

`Double_t InoTrackCand::SimpleX0`

6.48.3.74 SimpleZ0

`Double_t InoTrackCand::SimpleZ0`

6.48.3.75 StraightLineChi2X

`Double_t InoTrackCand::StraightLineChi2X`

6.48.3.76 StraightLineChi2Y

`Double_t InoTrackCand::StraightLineChi2Y`

6.48.3.77 StraightLineInterceptX

`Double_t InoTrackCand::StraightLineInterceptX`

6.48.3.78 StraightLineInterceptY

`Double_t InoTrackCand::StraightLineInterceptY`

6.48.3.79 StraightLineNhitsX

`Int_t InoTrackCand::StraightLineNhitsX`

6.48.3.80 StraightLineNhitsY

`Int_t InoTrackCand::StraightLineNhitsY`

6.48.3.81 StraightLineSlopeX

`Double_t InoTrackCand::StraightLineSlopeX`

6.48.3.82 StraightLineSlopeY

`Double_t InoTrackCand::StraightLineSlopeY`

6.48.3.83 xfitpos1

`vector<float> InoTrackCand::xfitpos1`

6.48.3.84 yfitpos1

```
vector<float> InoTrackCand::yfitpos1
```

6.48.3.85 zfitlay1

```
vector<int> InoTrackCand::zfitlay1
```

6.48.3.86 zfitpos1

```
vector<float> InoTrackCand::zfitpos1
```

The documentation for this class was generated from the following files:

- inc/InoTrackCand.h
- src/InoTrackCand.cc

6.49 InoTrackCand_Manager Class Reference

```
#include <vect_manager.h>
```

Collaboration diagram for InoTrackCand_Manager:

Public Member Functions

- InoTrackCand_Manager ()
- ∼InoTrackCand_Manager ()

Public Attributes

- vector< InoTrackCand ∗ > InoTrackCand_list

Static Public Attributes

- static InoTrackCand_Manager ∗ APointer

6.49.1 Constructor & Destructor Documentation

6.49.1.1 InoTrackCand_Manager()

`InoTrackCand_Manager::InoTrackCand_Manager ( )`

6.49.1.2 ∼InoTrackCand_Manager()

`InoTrackCand_Manager::∼InoTrackCand_Manager ( )`

6.49.2 Member Data Documentation

6.49.2.1 APointer

`InoTrackCand_Manager * InoTrackCand_Manager::APointer  [static]`

6.49.2.2 InoTrackCand_list

`vector<InoTrackCand*> InoTrackCand_Manager::InoTrackCand_list`

The documentation for this class was generated from the following files:

- inc/vect_manager.h
- src/vect_manager.cc

6.50 InoTrackFinder Class Reference

`#include <InoTrackFinder.h>`

Collaboration diagram for InoTrackFinder:

Public Member Functions

- InoTrackFinder ()
- ∼InoTrackFinder ()
- void RunAlg ()
- void Trace (const char ∗c) const
- void RunTheFinder ()
- void FormTheHits ()
- void FormTheClusters ()
- void IDTrkAndShwClusters ()
- void FormTriplets ()
- void FindAllAssociations ()
- void FindPreferredJoins ()
- void FindMatchedJoins ()
- void FirstComparison ()
- void FormTracks ()
- void JoinTracks ()
- void FormFinalTracks ()
- void LookForHitsAcrossGap (InoTrack ∗Trk)
- void JoinCurvedTrack ()
- void ExtendTrack (InoTrack ∗Trk)
- void FillGapsInTrack (InoTrack ∗Trk)
- void CleanAndFilled ()
- void ClearUp ()
- double cal_slope2 (double x, double ∗par)

Public Attributes

- InoCluster_Manager ∗ inoCluster_pointer
- MultiSimAnalysisDigi ∗ pAnalysis
- micalDetectorParameterDef ∗ paradef
- GeneralRecoInfo ∗ grecoi

6.50.1 Constructor & Destructor Documentation

6.50.1.1 InoTrackFinder()

```
InoTrackFinder::InoTrackFinder ( )
```

6.50.1.2 ∼InoTrackFinder()

```
InoTrackFinder::∼InoTrackFinder ( )
```

6.50.2 Member Function Documentation

6.50.2.1 cal_slope2()

```
double InoTrackFinder::cal_slope2 (
            double x,
            double * par )
```

6.50.2.2 CleanAndFilled()

```
void InoTrackFinder::CleanAndFilled ( )
```

6.50.2.3 ClearUp()

```
void InoTrackFinder::ClearUp ( )
```

6.50.2.4 ExtendTrack()

```
void InoTrackFinder::ExtendTrack (
            InoTrack * Trk )
```

6.50.2.5 FillGapsInTrack()

```
void InoTrackFinder::FillGapsInTrack (
            InoTrack * Trk )
```

6.50.2.6 FindAllAssociations()

```
void InoTrackFinder::FindAllAssociations ( )
```

6.50.2.7 FindMatchedJoins()

```
void InoTrackFinder::FindMatchedJoins ( )
```

6.50.2.8 FindPreferredJoins()

```
void InoTrackFinder::FindPreferredJoins ( )
```

6.50.2.9 FirstComparison()

```
void InoTrackFinder::FirstComparison ( )
```

6.50.2.10 FormFinalTracks()

```
void InoTrackFinder::FormFinalTracks ( )
```

GMA how many common hits are allowed ? Optimise this

6.50.2.11 FormTheClusters()

```
void InoTrackFinder::FormTheClusters ( )
```

6.50.2.12 FormTheHits()

```
void InoTrackFinder::FormTheHits ( )
```

6.50.2.13 FormTracks()

```
void InoTrackFinder::FormTracks ( )
```

6.50.2.14 FormTriplets()

```
void InoTrackFinder::FormTriplets ( )
```

6.50.2.15 IDTrkAndShwClusters()

```
void InoTrackFinder::IDTrkAndShwClusters ( )
```

6.50.2.16 JoinCurvedTrack()

```
void InoTrackFinder::JoinCurvedTrack ( )
```

6.50.2.17 JoinTracks()

```
void InoTrackFinder::JoinTracks ( )
```

6.50.2.18 LookForHitsAcrossGap()

```
void InoTrackFinder::LookForHitsAcrossGap (
            InoTrack * Trk )
```

6.50.2.19 RunAlg()

```
void InoTrackFinder::RunAlg ( )
```

6.50.2.20 RunTheFinder()

```
void InoTrackFinder::RunTheFinder ( )
```

6.50.2.21 Trace()

```
void InoTrackFinder::Trace (
            const char * c ) const
```

6.50.3 Member Data Documentation

6.50.3.1 grecoi

GeneralRecoInfo* InoTrackFinder::grecoi

6.50.3.2 inoCluster_pointer

InoCluster_Manager* InoTrackFinder::inoCluster_pointer

6.50.3.3 pAnalysis

MultiSimAnalysisDigi* InoTrackFinder::pAnalysis

6.50.3.4 paradef

micalDetectorParameterDef* InoTrackFinder::paradef

The documentation for this class was generated from the following files:

- inc/InoTrackFinder.h
- src/InoTrackFinder.cc

6.51 InoTrackSegment Class Reference

#include <InoTrackSegment.h>

Collaboration diagram for InoTrackSegment:

Public Member Functions

- InoTrackSegment (InoCluster ∗clustm, InoCluster ∗clust0, InoCluster ∗clustp)
- virtual ∼InoTrackSegment ()
- void AddCluster (InoCluster ∗clust)
- bool ContainsCluster (InoCluster ∗clust)
- InoCluster ∗ GetCluster (unsigned int i)
- unsigned int GetEntries () const
- int GetBegZPlane () const
- int GetEndZPlane () const
- int GetBegZXPlane () const
- int GetEndZXPlane () const
- int GetBegZYPlane () const
- int GetEndZYPlane () const
- double GetBegXDir ()
- double GetBegYDir ()
- double GetBegTPos ()
- double GetBegXPos ()
- double GetBegYPos ()
- double GetBegZPos () const
- double GetEndXDir ()
- double GetEndYDir ()
- double GetEndXPos ()
- double GetEndYPos ()
- double GetEndZPos () const
- void AddSegment (InoTrackSegment ∗segment)
- bool IsAssoc (InoTrackSegment ∗segment)
- void AddAssocSegToBeg (InoTrackSegment ∗seg)
- void AddAssocSegToEnd (InoTrackSegment ∗seg)
- InoTrackSegment ∗ GetAssocSegBeg (unsigned int i)
- InoTrackSegment ∗ GetAssocSegEnd (unsigned int i)
- unsigned int GetNAssocSegBeg () const
- unsigned int GetNAssocSegEnd () const
- void AddPrefSegToBeg (InoTrackSegment ∗seg)
- void AddPrefSegToEnd (InoTrackSegment ∗seg)
- InoTrackSegment ∗ GetPrefSegBeg (unsigned int i)
- InoTrackSegment ∗ GetPrefSegEnd (unsigned int i)
- unsigned int GetNPrefSegBeg () const
- unsigned int GetNPrefSegEnd () const
- void AddMatchSegToBeg (InoTrackSegment ∗seg)
- void AddMatchSegToEnd (InoTrackSegment ∗seg)
- InoTrackSegment ∗ GetMatchSegBeg (unsigned int i)
- InoTrackSegment ∗ GetMatchSegEnd (unsigned int i)
- unsigned int GetNMatchSegBeg () const
- unsigned int GetNMatchSegEnd () const
- void SetTmpTrkFlag (int flag)
- int GetTmpTrkFlag () const
- void SetUID (int uid)
- int GetUID () const
- void SetTrkFlag (int flag)
- int GetTrkFlag () const
- void SetSeedSegment (InoTrackSegment ∗segment)
- InoTrackSegment ∗ GetSeedSegment ()
- void SetNPlanes (int nplanes)
- int GetNPlanes () const

- double [GetScore](#) (vector< [InoTrackSegment](#) * > *BegSegBank=0, vector< [InoTrackSegment](#) * > *End↩
  SegBank=0)
- double [GetBegTime](#) () const
- double [GetEndTime](#) () const
- void [SetPartner](#) ([InoTrackSegment](#) *segment)
- [InoTrackSegment](#) * [GetPartner](#) ()

Public Attributes

- vector< [InoCluster](#) * > [ClustersInSegment](#)

6.51.1 Constructor & Destructor Documentation

6.51.1.1 InoTrackSegment()

```
InoTrackSegment::InoTrackSegment (
            InoCluster * clustm,
            InoCluster * clust0,
            InoCluster * clustp )
```

6.51.1.2 ∼InoTrackSegment()

```
InoTrackSegment::~InoTrackSegment ( )  [virtual]
```

6.51.2 Member Function Documentation

6.51.2.1 AddAssocSegToBeg()

```
void InoTrackSegment::AddAssocSegToBeg (
            InoTrackSegment * seg )
```

6.51.2.2 AddAssocSegToEnd()

```
void InoTrackSegment::AddAssocSegToEnd (
            InoTrackSegment * seg )
```

6.51.2.3 AddCluster()

```
void InoTrackSegment::AddCluster (
            InoCluster * clust )
```

6.51.2.4 AddMatchSegToBeg()

```
void InoTrackSegment::AddMatchSegToBeg (
            InoTrackSegment * seg )
```

6.51.2.5 AddMatchSegToEnd()

```
void InoTrackSegment::AddMatchSegToEnd (
            InoTrackSegment * seg )
```

6.51.2.6 AddPrefSegToBeg()

```
void InoTrackSegment::AddPrefSegToBeg (
            InoTrackSegment * seg )
```

6.51.2.7 AddPrefSegToEnd()

```
void InoTrackSegment::AddPrefSegToEnd (
            InoTrackSegment * seg )
```

6.51.2.8 AddSegment()

```
void InoTrackSegment::AddSegment (
            InoTrackSegment * segment )
```

6.51.2.9 ContainsCluster()

```
bool InoTrackSegment::ContainsCluster (
            InoCluster * clust )
```

6.51.2.10 GetAssocSegBeg()

[InoTrackSegment](#) * InoTrackSegment::GetAssocSegBeg (
            unsigned int *i*)

6.51.2.11 GetAssocSegEnd()

[InoTrackSegment](#) * InoTrackSegment::GetAssocSegEnd (
            unsigned int *i*)

6.51.2.12 GetBegTime()

double InoTrackSegment::GetBegTime ( ) const [inline]

6.51.2.13 GetBegTPos()

double InoTrackSegment::GetBegTPos ( )

6.51.2.14 GetBegXDir()

double InoTrackSegment::GetBegXDir ( )

6.51.2.15 GetBegXPos()

double InoTrackSegment::GetBegXPos ( )

6.51.2.16 GetBegYDir()

double InoTrackSegment::GetBegYDir ( )

6.51.2.17 GetBegYPos()

```
double InoTrackSegment::GetBegYPos ( )
```

6.51.2.18 GetBegZPlane()

```
int InoTrackSegment::GetBegZPlane ( ) const
```

6.51.2.19 GetBegZPos()

```
double InoTrackSegment::GetBegZPos ( ) const
```

6.51.2.20 GetBegZXPlane()

```
int InoTrackSegment::GetBegZXPlane ( ) const  [inline]
```

6.51.2.21 GetBegZYPlane()

```
int InoTrackSegment::GetBegZYPlane ( ) const  [inline]
```

6.51.2.22 GetCluster()

```
InoCluster * InoTrackSegment::GetCluster (
            unsigned int i )
```

6.51.2.23 GetEndTime()

```
double InoTrackSegment::GetEndTime ( ) const  [inline]
```

6.51.2.24 GetEndXDir()

```
double InoTrackSegment::GetEndXDir ( )
```

6.51.2.25 GetEndXPos()

```
double InoTrackSegment::GetEndXPos ( )
```

6.51.2.26 GetEndYDir()

```
double InoTrackSegment::GetEndYDir ( )
```

6.51.2.27 GetEndYPos()

```
double InoTrackSegment::GetEndYPos ( )
```

6.51.2.28 GetEndZPlane()

```
int InoTrackSegment::GetEndZPlane ( ) const
```

6.51.2.29 GetEndZPos()

```
double InoTrackSegment::GetEndZPos ( ) const
```

6.51.2.30 GetEndZXPlane()

```
int InoTrackSegment::GetEndZXPlane ( ) const  [inline]
```

6.51.2.31 GetEndZYPlane()

```
int InoTrackSegment::GetEndZYPlane ( ) const  [inline]
```

6.51.2.32 GetEntries()

unsigned int InoTrackSegment::GetEntries ( ) const

6.51.2.33 GetMatchSegBeg()

InoTrackSegment * InoTrackSegment::GetMatchSegBeg (
            unsigned int *i*)

6.51.2.34 GetMatchSegEnd()

InoTrackSegment * InoTrackSegment::GetMatchSegEnd (
            unsigned int *i*)

6.51.2.35 GetNAssocSegBeg()

unsigned int InoTrackSegment::GetNAssocSegBeg ( ) const [inline]

6.51.2.36 GetNAssocSegEnd()

unsigned int InoTrackSegment::GetNAssocSegEnd ( ) const [inline]

6.51.2.37 GetNMatchSegBeg()

unsigned int InoTrackSegment::GetNMatchSegBeg ( ) const [inline]

6.51.2.38 GetNMatchSegEnd()

unsigned int InoTrackSegment::GetNMatchSegEnd ( ) const [inline]

6.51.2.39 GetNPlanes()

```
int InoTrackSegment::GetNPlanes ( ) const  [inline]
```

6.51.2.40 GetNPrefSegBeg()

```
unsigned int InoTrackSegment::GetNPrefSegBeg ( ) const  [inline]
```

6.51.2.41 GetNPrefSegEnd()

```
unsigned int InoTrackSegment::GetNPrefSegEnd ( ) const  [inline]
```

6.51.2.42 GetPartner()

```
InoTrackSegment* InoTrackSegment::GetPartner ( )  [inline]
```

6.51.2.43 GetPrefSegBeg()

```
InoTrackSegment * InoTrackSegment::GetPrefSegBeg (
            unsigned int i )
```

6.51.2.44 GetPrefSegEnd()

```
InoTrackSegment * InoTrackSegment::GetPrefSegEnd (
            unsigned int i )
```

6.51.2.45 GetScore()

```
double InoTrackSegment::GetScore (
            vector< InoTrackSegment * > * BegSegBank = 0,
            vector< InoTrackSegment * > * EndSegBank = 0 )
```

6.51.2.46 GetSeedSegment()

[InoTrackSegment](#)∗ InoTrackSegment::GetSeedSegment ( ) [inline]

6.51.2.47 GetTmpTrkFlag()

int InoTrackSegment::GetTmpTrkFlag ( ) const [inline]

6.51.2.48 GetTrkFlag()

int InoTrackSegment::GetTrkFlag ( ) const [inline]

6.51.2.49 GetUID()

int InoTrackSegment::GetUID ( ) const [inline]

6.51.2.50 IsAssoc()

bool InoTrackSegment::IsAssoc (
            [InoTrackSegment](#) ∗ *segment*)

6.51.2.51 SetNPlanes()

void InoTrackSegment::SetNPlanes (
            int *nplanes*) [inline]

6.51.2.52 SetPartner()

void InoTrackSegment::SetPartner (
            [InoTrackSegment](#) ∗ *segment*) [inline]

6.51.2.53 SetSeedSegment()

```
void InoTrackSegment::SetSeedSegment (
            InoTrackSegment * segment ) [inline]
```

6.51.2.54 SetTmpTrkFlag()

```
void InoTrackSegment::SetTmpTrkFlag (
            int flag ) [inline]
```

6.51.2.55 SetTrkFlag()

```
void InoTrackSegment::SetTrkFlag (
            int flag ) [inline]
```

6.51.2.56 SetUID()

```
void InoTrackSegment::SetUID (
            int uid ) [inline]
```

6.51.3 Member Data Documentation

6.51.3.1 ClustersInSegment

```
vector<InoCluster*> InoTrackSegment::ClustersInSegment
```

The documentation for this class was generated from the following files:

- inc/InoTrackSegment.h
- src/InoTrackSegment.cc

6.52 InoVertex Class Reference

```
#include <InoVertex.h>
```

Inheritance diagram for InoVertex:

Collaboration diagram for InoVertex:

Public Member Functions

- InoVertex ()
- InoVertex (const InoVertex &rhs)
- virtual ~InoVertex ()
- Bool_t operator== (const InoVertex &rhs) const
- Int_t GetPlane () const
- Int_t GetRPCmod () const
- Double_t GetT () const
- Double_t GetU () const
- Double_t GetV () const
- Double_t GetZ () const
- TVector3 GetDirCosine () const
- Double_t GetQbyP () const
- void SetPlane (Int_t)
- void SetRPCmod (Int_t)
- void SetT (Double_t)
- void SetU (Double_t)
- void SetV (Double_t)
- void SetZ (Double_t)
- void SetDirCosine (TVector3 t3)
- void SetQbyP (Double_t)
- const char ∗ AsString (Option_t ∗option="") const

6.52.1 Constructor & Destructor Documentation

6.52.1.1 InoVertex() [1/2]

```
InoVertex::InoVertex ( )
```

6.52.1.2 InoVertex() [2/2]

```
InoVertex::InoVertex (
            const InoVertex & rhs )
```

6.52.1.3 ~InoVertex()

```
InoVertex::~InoVertex ( )  [virtual]
```

6.52.2 Member Function Documentation

6.52.2.1 AsString()

```
const char * InoVertex::AsString (
            Option_t * option = "" ) const
```

Munits::ns);

6.52.2.2 GetDirCosine()

```
TVector3 InoVertex::GetDirCosine ( ) const
```

6.52.2.3 GetPlane()

```
Int_t InoVertex::GetPlane ( ) const
```

6.52.2.4 GetQbyP()

```
Double_t InoVertex::GetQbyP ( ) const
```

6.52.2.5 GetRPCmod()

```
Int_t InoVertex::GetRPCmod ( ) const
```

6.52.2.6 GetT()

```
Double_t InoVertex::GetT ( ) const
```

6.52.2.7 GetU()

```
Double_t InoVertex::GetU ( ) const
```

6.52.2.8 GetV()

```
Double_t InoVertex::GetV ( ) const
```

6.52.2.9 GetZ()

```
Double_t InoVertex::GetZ ( ) const
```

6.52.2.10 operator==()

```
Bool_t InoVertex::operator== (
            const InoVertex & rhs ) const
```

6.52.2.11 SetDirCosine()

```
void InoVertex::SetDirCosine (
            TVector3 t3 )
```

6.52.2.12 SetPlane()

```
void InoVertex::SetPlane (
            Int_t ivar )
```

6.52.2.13 SetQbyP()

```
void InoVertex::SetQbyP (
            Double_t dvar )
```

6.52.2.14 SetRPCmod()

```
void InoVertex::SetRPCmod (
            Int_t ivar )
```

6.52.2.15 SetT()

```
void InoVertex::SetT (
            Double_t dvar )
```

6.52.2.16 SetU()

```
void InoVertex::SetU (
            Double_t dvar )
```

6.52.2.17 SetV()

```
void InoVertex::SetV (
            Double_t dvar )
```

6.52.2.18 SetZ()

```
void InoVertex::SetZ (
            Double_t dvar )
```

The documentation for this class was generated from the following files:

- inc/InoVertex.h
- src/InoVertex.cc

6.53 micalDetectorParameterDef Class Reference

```
#include <micalDetectorParameterDef.hh>
```

Collaboration diagram for micalDetectorParameterDef:

Public Member Functions

- micalDetectorParameterDef ()
- ~micalDetectorParameterDef ()
- void UpdateDetectorParameterDef ()
- double GetParworld (int i)
- double GetParroom (int i)
- double GetParairroom (int i)
- double GetParairroom2 (int i)
- double GetParstaircaseair (int i)
- double GetParstaircasel (int i)
- double GetParstaircase (int i)
- double GetParino (int i)
- double GetParmagnet (int i)
- double GetShiftInX ()
- double GetShiftInY ()
- double GetShiftInZ (int i)
- double GetAlShiftInAirBox ()
- double GetAirBoxShiftInFRP ()
- double GetFRPshiftInLayer (int i)
- void SetINOMPositionGlobalX (double xpos1)
- void SetINOMPositionGlobalY (double xpos1)
- void SetINOMPositionGlobalZ (double xpos1)
- void SetLayerPosInStack (int ilay, double zpos1)
- double GetLayerPosInStack (int ilay)
- double GetINOMPositionGlobalX ()
- double GetINOMPositionGlobalY ()
- double GetINOMPositionGlobalZ ()
- double GetParcoilspacerpc (int i)
- double GetParcoilspaceiron (int i)
- double GetParairgap1 (int i)
- double GetParairgap2 (int i)
- double GetParairgap3 (int i)
- double GetParairgap4 (int i)
- double GetParlay (int i)
- double GetParchm (int i)
- double GetParirlay (int i)
- double GetParspacerA (int i)
- double GetParspacerB (int i)
- double GetParspacerC (int i)
- double GetParspacerD (int i)
- double GetParFrpBox (int i)
- double GetParAirBox (int i)
- double GetParG10Trap1 (int i)
- double GetParG10Trap2 (int i)
- double GetParal (int i)
- double GetParALCutBig (int i)
- double GetParALCutSmall (int i)
- double GetParhoneycomb (int i)
- double GetParHoneyCombCutBig (int i)
- double GetParHoneyCombCutSmall (int i)
- double GetParcup (int i)
- double GetParCupCutBig (int i)
- double GetParCupCutSmall (int i)
- double GetParmylar (int i)

- double GetParMylarCutBig (int i)
- double GetParMylarCutSmall (int i)
- double GetParcoat (int i)
- double GetParCoatCutBig (int i)
- double GetParCoatCutSmall (int i)
- double GetParqurz (int i)
- double GetParQurzCutBig (int i)
- double GetParQurzCutSmall (int i)
- double GetPargas (int i)
- double GetParGasCutBig (int i)
- double GetParGasCutSmall (int i)
- double GetParvcoil (int i)
- double GetParhcoil (int i)
- double GetParcurvedcoil (int i)
- double GetParcoilsupport (int i)
- double GetXStrwd ()
- double GetYStrwd ()
- int GetnXStrip ()
- int GetnYStrip ()
- int GetnStack ()
- int GetnLayer ()
- int GetnModule ()
- int GetnChamber ()
- int GetnIRLayer ()
- int GetnSpacerA ()
- int GetnSpacerB ()
- int GetnSpacerC ()
- int GetnSpacerD ()
- int GetnCoil ()
- int GetNumino ()
- double GetINOroomPos (int j)
- double GetStackPosInRoom (int j)
- double GetRPCLayerPosZ (int j)
- double GetIRONLayerPosZ (int j)
- double GetRoomWallThicknessZ ()
- double GetRoomWallThickness ()
- double GetLayerZdim (int j)
- double GetIronLayerZdim (int j)
- int GetnScintInUnit ()
- int GetnUnitTop ()
- int GetnUnitWall ()
- int GetnScintLayer ()
- double GetPartopscint (int j)
- double GetParwallscint (int j)
- double GetScintFromBottom ()
- double GetScintUnitX ()
- double GetScintUnitY ()
- double GetScintUnitZ ()
- double GetAirGapScintTop ()
- double GetAlTileBase ()
- double GetGapBtwTiles ()
- double GetTileWidth ()
- double GetNoofEPSinTile ()
- double GetAirGapScintWall ()
- double GetTopPlaneHalfLength ()

- double GetSidePlaneHalfLength ()
- double GetSideSmallPlaneHalfLength ()
- double GetScntLayShifTop ()
- double GetScntLayShifSide ()
- double GetfiberDia ()
- double GetfiberXpos ()
- int GetNoScntStrpTop ()
- int GetNoScntStrpSide ()
- int GetNoScntStrpSideSmallay ()
- int GetSipm_Pedestal ()
- int GetCmv_Threshold ()

Public Attributes

- float partopscint [3]
- float AirGapScintTop
- float AlTileBase
- int NoofTilesonTopWall
- int NoofTilesonSideWall
- int NoofEPSinTile
- float TileWidth
- float GapBtwTiles
- double ScintLayGPos [7][4][3] ={{{0}}}
- double fiberDia
- double fiberXpos
- int NoScntStrpTop
- int NoScntStrpSide
- int NoScntStrpSideSmallay
- float ThkofScntStrpTop
- double SidePlaneHalfLength
- double SideSmallPlaneHalfLength
- double TopPlaneHalfLength
- double ScntLayShifTop
- double ScntLayShifSide
- int Sipm_Pedestal
- int Cmv_Threshold

Static Public Attributes

- static micalDetectorParameterDef ∗ AnPointer

6.53.1 Constructor & Destructor Documentation

6.53.1.1 micalDetectorParameterDef()

```
micalDetectorParameterDef::micalDetectorParameterDef ( )
```

6.53.1.2 ∼**micalDetectorParameterDef()**

```
micalDetectorParameterDef::~micalDetectorParameterDef ( ) [inline]
```

6.53.2 Member Function Documentation

6.53.2.1 **GetAirBoxShiftInFRP()**

```
double micalDetectorParameterDef::GetAirBoxShiftInFRP ( ) [inline]
```

6.53.2.2 **GetAirGapScintTop()**

```
double micalDetectorParameterDef::GetAirGapScintTop ( ) [inline]
```

6.53.2.3 **GetAirGapScintWall()**

```
double micalDetectorParameterDef::GetAirGapScintWall ( ) [inline]
```

6.53.2.4 **GetAlShiftInAirBox()**

```
double micalDetectorParameterDef::GetAlShiftInAirBox ( ) [inline]
```

6.53.2.5 **GetAlTileBase()**

```
double micalDetectorParameterDef::GetAlTileBase ( ) [inline]
```

6.53.2.6 **GetCmv_Threshold()**

```
int micalDetectorParameterDef::GetCmv_Threshold ( ) [inline]
```

6.53.2.7 GetfiberDia()

```
double micalDetectorParameterDef::GetfiberDia ( ) [inline]
```

6.53.2.8 GetfiberXpos()

```
double micalDetectorParameterDef::GetfiberXpos ( ) [inline]
```

6.53.2.9 GetFRPshiftInLayer()

```
double micalDetectorParameterDef::GetFRPshiftInLayer (
            int i ) [inline]
```

6.53.2.10 GetGapBtwTiles()

```
double micalDetectorParameterDef::GetGapBtwTiles ( ) [inline]
```

6.53.2.11 GetINOMPositionGlobalX()

```
double micalDetectorParameterDef::GetINOMPositionGlobalX ( ) [inline]
```

6.53.2.12 GetINOMPositionGlobalY()

```
double micalDetectorParameterDef::GetINOMPositionGlobalY ( ) [inline]
```

6.53.2.13 GetINOMPositionGlobalZ()

```
double micalDetectorParameterDef::GetINOMPositionGlobalZ ( ) [inline]
```

6.53.2.14 GetINOroomPos()

```
double micalDetectorParameterDef::GetINOroomPos (
            int j ) [inline]
```

6.53.2.15 GetIRONLayerPosZ()

```
double micalDetectorParameterDef::GetIRONLayerPosZ (
            int j ) [inline]
```

6.53.2.16 GetIronLayerZdim()

```
double micalDetectorParameterDef::GetIronLayerZdim (
            int j ) [inline]
```

6.53.2.17 GetLayerPosInStack()

```
double micalDetectorParameterDef::GetLayerPosInStack (
            int ilay ) [inline]
```

6.53.2.18 GetLayerZdim()

```
double micalDetectorParameterDef::GetLayerZdim (
            int j ) [inline]
```

6.53.2.19 GetnChamber()

```
int micalDetectorParameterDef::GetnChamber ( ) [inline]
```

6.53.2.20 GetnCoil()

```
int micalDetectorParameterDef::GetnCoil ( ) [inline]
```

6.53.2.21 GetnIRLayer()

```
int micalDetectorParameterDef::GetnIRLayer ( ) [inline]
```

6.53.2.22 GetnLayer()

```
int micalDetectorParameterDef::GetnLayer ( ) [inline]
```

6.53.2.23 GetnModule()

```
int micalDetectorParameterDef::GetnModule ( ) [inline]
```

6.53.2.24 GetNoofEPSinTile()

```
double micalDetectorParameterDef::GetNoofEPSinTile ( ) [inline]
```

6.53.2.25 GetNoScntStrpSide()

```
int micalDetectorParameterDef::GetNoScntStrpSide ( ) [inline]
```

6.53.2.26 GetNoScntStrpSideSmallay()

```
int micalDetectorParameterDef::GetNoScntStrpSideSmallay ( ) [inline]
```

6.53.2.27 GetNoScntStrpTop()

```
int micalDetectorParameterDef::GetNoScntStrpTop ( ) [inline]
```

6.53.2.28 GetnScintInUnit()

```
int micalDetectorParameterDef::GetnScintInUnit ( ) [inline]
```

6.53.2.29 GetnScintLayer()

int micalDetectorParameterDef::GetnScintLayer ( ) [inline]

6.53.2.30 GetnSpacerA()

int micalDetectorParameterDef::GetnSpacerA ( ) [inline]

6.53.2.31 GetnSpacerB()

int micalDetectorParameterDef::GetnSpacerB ( ) [inline]

6.53.2.32 GetnSpacerC()

int micalDetectorParameterDef::GetnSpacerC ( ) [inline]

6.53.2.33 GetnSpacerD()

int micalDetectorParameterDef::GetnSpacerD ( ) [inline]

6.53.2.34 GetnStack()

int micalDetectorParameterDef::GetnStack ( ) [inline]

6.53.2.35 GetNumino()

int micalDetectorParameterDef::GetNumino ( ) [inline]

6.53.2.36 GetnUnitTop()

int micalDetectorParameterDef::GetnUnitTop ( ) [inline]

6.53.2.37 GetnUnitWall()

```
int micalDetectorParameterDef::GetnUnitWall ( )  [inline]
```

6.53.2.38 GetnXStrip()

```
int micalDetectorParameterDef::GetnXStrip ( )  [inline]
```

6.53.2.39 GetnYStrip()

```
int micalDetectorParameterDef::GetnYStrip ( )  [inline]
```

6.53.2.40 GetParAirBox()

```
double micalDetectorParameterDef::GetParAirBox (
            int i )  [inline]
```

6.53.2.41 GetParairgap1()

```
double micalDetectorParameterDef::GetParairgap1 (
            int i )  [inline]
```

6.53.2.42 GetParairgap2()

```
double micalDetectorParameterDef::GetParairgap2 (
            int i )  [inline]
```

6.53.2.43 GetParairgap3()

```
double micalDetectorParameterDef::GetParairgap3 (
            int i )  [inline]
```

6.53.2.44 GetParairgap4()

```
double micalDetectorParameterDef::GetParairgap4 (
            int i ) [inline]
```

6.53.2.45 GetParairroom()

```
double micalDetectorParameterDef::GetParairroom (
            int i ) [inline]
```

6.53.2.46 GetParairroom2()

```
double micalDetectorParameterDef::GetParairroom2 (
            int i ) [inline]
```

6.53.2.47 GetParal()

```
double micalDetectorParameterDef::GetParal (
            int i ) [inline]
```

6.53.2.48 GetParALCutBig()

```
double micalDetectorParameterDef::GetParALCutBig (
            int i ) [inline]
```

6.53.2.49 GetParALCutSmall()

```
double micalDetectorParameterDef::GetParALCutSmall (
            int i ) [inline]
```

6.53.2.50 GetParchm()

```
double micalDetectorParameterDef::GetParchm (
            int i ) [inline]
```

6.53.2.51 GetParcoat()

```
double micalDetectorParameterDef::GetParcoat (
            int i ) [inline]
```

6.53.2.52 GetParCoatCutBig()

```
double micalDetectorParameterDef::GetParCoatCutBig (
            int i ) [inline]
```

6.53.2.53 GetParCoatCutSmall()

```
double micalDetectorParameterDef::GetParCoatCutSmall (
            int i ) [inline]
```

6.53.2.54 GetParcoilspaceiron()

```
double micalDetectorParameterDef::GetParcoilspaceiron (
            int i ) [inline]
```

6.53.2.55 GetParcoilspacerpc()

```
double micalDetectorParameterDef::GetParcoilspacerpc (
            int i ) [inline]
```

6.53.2.56 GetParcoilsupport()

```
double micalDetectorParameterDef::GetParcoilsupport (
            int i ) [inline]
```

6.53.2.57 GetParcup()

```
double micalDetectorParameterDef::GetParcup (
            int i ) [inline]
```

6.53.2.58 GetParCupCutBig()

```
double micalDetectorParameterDef::GetParCupCutBig (
            int i ) [inline]
```

6.53.2.59 GetParCupCutSmall()

```
double micalDetectorParameterDef::GetParCupCutSmall (
            int i ) [inline]
```

6.53.2.60 GetParcurvedcoil()

```
double micalDetectorParameterDef::GetParcurvedcoil (
            int i ) [inline]
```

6.53.2.61 GetParFrpBox()

```
double micalDetectorParameterDef::GetParFrpBox (
            int i ) [inline]
```

6.53.2.62 GetParG10Trap1()

```
double micalDetectorParameterDef::GetParG10Trap1 (
            int i ) [inline]
```

6.53.2.63 GetParG10Trap2()

```
double micalDetectorParameterDef::GetParG10Trap2 (
            int i ) [inline]
```

6.53.2.64 GetPargas()

```
double micalDetectorParameterDef::GetPargas (
            int i ) [inline]
```

6.53.2.65 GetParGasCutBig()

```
double micalDetectorParameterDef::GetParGasCutBig (
            int i ) [inline]
```

6.53.2.66 GetParGasCutSmall()

```
double micalDetectorParameterDef::GetParGasCutSmall (
            int i ) [inline]
```

6.53.2.67 GetParhcoil()

```
double micalDetectorParameterDef::GetParhcoil (
            int i ) [inline]
```

6.53.2.68 GetParhoneycomb()

```
double micalDetectorParameterDef::GetParhoneycomb (
            int i ) [inline]
```

6.53.2.69 GetParHoneyCombCutBig()

```
double micalDetectorParameterDef::GetParHoneyCombCutBig (
            int i ) [inline]
```

6.53.2.70 GetParHoneyCombCutSmall()

```
double micalDetectorParameterDef::GetParHoneyCombCutSmall (
            int i ) [inline]
```

6.53.2.71 GetParino()

```
double micalDetectorParameterDef::GetParino (
            int i ) [inline]
```

6.53.2.72 GetParirlay()

```
double micalDetectorParameterDef::GetParirlay (
              int i ) [inline]
```

6.53.2.73 GetParlay()

```
double micalDetectorParameterDef::GetParlay (
              int i ) [inline]
```

6.53.2.74 GetParmagnet()

```
double micalDetectorParameterDef::GetParmagnet (
              int i ) [inline]
```

6.53.2.75 GetParmylar()

```
double micalDetectorParameterDef::GetParmylar (
              int i ) [inline]
```

6.53.2.76 GetParMylarCutBig()

```
double micalDetectorParameterDef::GetParMylarCutBig (
              int i ) [inline]
```

6.53.2.77 GetParMylarCutSmall()

```
double micalDetectorParameterDef::GetParMylarCutSmall (
              int i ) [inline]
```

6.53.2.78 GetParqurz()

```
double micalDetectorParameterDef::GetParqurz (
              int i ) [inline]
```

6.53.2.79 GetParQurzCutBig()

```
double micalDetectorParameterDef::GetParQurzCutBig (
            int i ) [inline]
```

6.53.2.80 GetParQurzCutSmall()

```
double micalDetectorParameterDef::GetParQurzCutSmall (
            int i ) [inline]
```

6.53.2.81 GetParroom()

```
double micalDetectorParameterDef::GetParroom (
            int i ) [inline]
```

6.53.2.82 GetParspacerA()

```
double micalDetectorParameterDef::GetParspacerA (
            int i ) [inline]
```

6.53.2.83 GetParspacerB()

```
double micalDetectorParameterDef::GetParspacerB (
            int i ) [inline]
```

6.53.2.84 GetParspacerC()

```
double micalDetectorParameterDef::GetParspacerC (
            int i ) [inline]
```

6.53.2.85 GetParspacerD()

```
double micalDetectorParameterDef::GetParspacerD (
            int i ) [inline]
```

6.53.2.86 GetParstaircase()

```
double micalDetectorParameterDef::GetParstaircase (
            int i ) [inline]
```

6.53.2.87 GetParstaircaseair()

```
double micalDetectorParameterDef::GetParstaircaseair (
            int i ) [inline]
```

6.53.2.88 GetParstaircasel()

```
double micalDetectorParameterDef::GetParstaircasel (
            int i ) [inline]
```

6.53.2.89 GetPartopscint()

```
double micalDetectorParameterDef::GetPartopscint (
            int j ) [inline]
```

6.53.2.90 GetParvcoil()

```
double micalDetectorParameterDef::GetParvcoil (
            int i ) [inline]
```

6.53.2.91 GetParwallscint()

```
double micalDetectorParameterDef::GetParwallscint (
            int j ) [inline]
```

6.53.2.92 GetParworld()

```
double micalDetectorParameterDef::GetParworld (
            int i ) [inline]
```

6.53.2.93 GetRoomWallThickness()

```
double micalDetectorParameterDef::GetRoomWallThickness ( )  [inline]
```

6.53.2.94 GetRoomWallThicknessZ()

```
double micalDetectorParameterDef::GetRoomWallThicknessZ ( )  [inline]
```

6.53.2.95 GetRPCLayerPosZ()

```
double micalDetectorParameterDef::GetRPCLayerPosZ (
            int j )  [inline]
```

6.53.2.96 GetScintFromBottom()

```
double micalDetectorParameterDef::GetScintFromBottom ( )  [inline]
```

6.53.2.97 GetScintUnitX()

```
double micalDetectorParameterDef::GetScintUnitX ( )  [inline]
```

6.53.2.98 GetScintUnitY()

```
double micalDetectorParameterDef::GetScintUnitY ( )  [inline]
```

6.53.2.99 GetScintUnitZ()

```
double micalDetectorParameterDef::GetScintUnitZ ( )  [inline]
```

6.53.2.100 GetScntLayShifSide()

```
double micalDetectorParameterDef::GetScntLayShifSide ( ) [inline]
```

6.53.2.101 GetScntLayShifTop()

```
double micalDetectorParameterDef::GetScntLayShifTop ( ) [inline]
```

6.53.2.102 GetShiftInX()

```
double micalDetectorParameterDef::GetShiftInX ( ) [inline]
```

6.53.2.103 GetShiftInY()

```
double micalDetectorParameterDef::GetShiftInY ( ) [inline]
```

6.53.2.104 GetShiftInZ()

```
double micalDetectorParameterDef::GetShiftInZ (
            int i ) [inline]
```

6.53.2.105 GetSidePlaneHalfLength()

```
double micalDetectorParameterDef::GetSidePlaneHalfLength ( ) [inline]
```

6.53.2.106 GetSideSmallPlaneHalfLength()

```
double micalDetectorParameterDef::GetSideSmallPlaneHalfLength ( ) [inline]
```

6.53.2.107   GetSipm_Pedestal()

```
int micalDetectorParameterDef::GetSipm_Pedestal ( ) [inline]
```

6.53.2.108   GetStackPosInRoom()

```
double micalDetectorParameterDef::GetStackPosInRoom (
            int j ) [inline]
```

6.53.2.109   GetTileWidth()

```
double micalDetectorParameterDef::GetTileWidth ( ) [inline]
```

6.53.2.110   GetTopPlaneHalfLength()

```
double micalDetectorParameterDef::GetTopPlaneHalfLength ( ) [inline]
```

6.53.2.111   GetXStrwd()

```
double micalDetectorParameterDef::GetXStrwd ( ) [inline]
```

6.53.2.112   GetYStrwd()

```
double micalDetectorParameterDef::GetYStrwd ( ) [inline]
```

6.53.2.113   SetINOMPositionGlobalX()

```
void micalDetectorParameterDef::SetINOMPositionGlobalX (
            double xpos1 ) [inline]
```

6.53.2.114 SetINOMPositionGlobalY()

```
void micalDetectorParameterDef::SetINOMPositionGlobalY (
            double xpos1 )  [inline]
```

6.53.2.115 SetINOMPositionGlobalZ()

```
void micalDetectorParameterDef::SetINOMPositionGlobalZ (
            double xpos1 )  [inline]
```

6.53.2.116 SetLayerPosInStack()

```
void micalDetectorParameterDef::SetLayerPosInStack (
            int ilay,
            double zpos1 )  [inline]
```

6.53.2.117 UpdateDetectorParameterDef()

```
void micalDetectorParameterDef::UpdateDetectorParameterDef ( )
```

6.53.3 Member Data Documentation

6.53.3.1 AirGapScintTop

```
float micalDetectorParameterDef::AirGapScintTop
```

6.53.3.2 AlTileBase

```
float micalDetectorParameterDef::AlTileBase
```

6.53.3.3 AnPointer

```
micalDetectorParameterDef * micalDetectorParameterDef::AnPointer  [static]
```

6.53.3.4 Cmv_Threshold

```
int micalDetectorParameterDef::Cmv_Threshold
```

6.53.3.5 fiberDia

```
double micalDetectorParameterDef::fiberDia
```

6.53.3.6 fiberXpos

```
double micalDetectorParameterDef::fiberXpos
```

6.53.3.7 GapBtwTiles

```
float micalDetectorParameterDef::GapBtwTiles
```

6.53.3.8 NoofEPSinTile

```
int micalDetectorParameterDef::NoofEPSinTile
```

6.53.3.9 NoofTilesonSideWall

```
int micalDetectorParameterDef::NoofTilesonSideWall
```

6.53.3.10 NoofTilesonTopWall

```
int micalDetectorParameterDef::NoofTilesonTopWall
```

6.53.3.11 NoScntStrpSide

```
int micalDetectorParameterDef::NoScntStrpSide
```

6.53.3.12 NoScntStrpSideSmallay

```
int micalDetectorParameterDef::NoScntStrpSideSmallay
```

6.53.3.13 NoScntStrpTop

```
int micalDetectorParameterDef::NoScntStrpTop
```

6.53.3.14 partopscint

```
float micalDetectorParameterDef::partopscint[3]
```

6.53.3.15 ScintLayGPos

```
double micalDetectorParameterDef::ScintLayGPos[7][4][3] ={{{0}}}
```

6.53.3.16 ScntLayShifSide

```
double micalDetectorParameterDef::ScntLayShifSide
```

6.53.3.17 ScntLayShifTop

```
double micalDetectorParameterDef::ScntLayShifTop
```

6.53.3.18 SidePlaneHalfLength

```
double micalDetectorParameterDef::SidePlaneHalfLength
```

6.53.3.19 SideSmallPlaneHalfLength

```
double micalDetectorParameterDef::SideSmallPlaneHalfLength
```

6.53.3.20 Sipm_Pedestal

```
int micalDetectorParameterDef::Sipm_Pedestal
```

6.53.3.21 ThkofScntStrpTop

```
float micalDetectorParameterDef::ThkofScntStrpTop
```

6.53.3.22 TileWidth

```
float micalDetectorParameterDef::TileWidth
```

6.53.3.23 TopPlaneHalfLength

```
double micalDetectorParameterDef::TopPlaneHalfLength
```

The documentation for this class was generated from the following files:

- inc/micalDetectorParameterDef.hh
- src/micalDetectorParameterDef.cc

6.54 micalFieldPropagator Class Reference

```
#include <micalFieldPropagator.hh>
```

Collaboration diagram for micalFieldPropagator:

Public Member Functions

- micalFieldPropagator ()
- ∼micalFieldPropagator ()
- void ElectroMagneticField (const double Point[3], double &B1, double &B2, int ftype)
- void PrintFieldMap ()
- void F2int (int ∗ag_f2i, double &bx_f2i, double &by_f2i)
- double bilinearInterpolation (double ∗f_bli, double ∗arg_bli, int ∗ag_bli)

Public Attributes

- micalDetectorParameterDef ∗ paradef
- MultiSimAnalysisDigi ∗ pAnalysis

Static Public Attributes

- static [micalFieldPropagator](#) ∗ [FdPointer](#)

Protected Attributes

- int [temp](#)

6.54.1 Constructor & Destructor Documentation

6.54.1.1 micalFieldPropagator()

```
micalFieldPropagator::micalFieldPropagator ( )
```

6.54.1.2 ∼micalFieldPropagator()

```
micalFieldPropagator::∼micalFieldPropagator ( )
```

6.54.2 Member Function Documentation

6.54.2.1 bilinearInterpolation()

```
double micalFieldPropagator::bilinearInterpolation (
            double ∗ f_bli,
            double ∗ arg_bli,
            int ∗ ag_bli )
```

6.54.2.2 ElectroMagneticField()

```
void micalFieldPropagator::ElectroMagneticField (
            const double Point[3],
            double & B1,
            double & B2,
            int ftype )
```

6.54.2.3 F2int()

```
void micalFieldPropagator::F2int (
            int * ag_f2i,
            double & bx_f2i,
            double & by_f2i )
```

6.54.2.4 PrintFieldMap()

```
void micalFieldPropagator::PrintFieldMap ( )
```

6.54.3 Member Data Documentation

6.54.3.1 FdPointer

[micalFieldPropagator](#) * micalFieldPropagator::FdPointer [static]

6.54.3.2 pAnalysis

[MultiSimAnalysisDigi](#)* micalFieldPropagator::pAnalysis

6.54.3.3 paradef

[micalDetectorParameterDef](#)* micalFieldPropagator::paradef

6.54.3.4 temp

```
int micalFieldPropagator::temp  [protected]
```

The documentation for this class was generated from the following files:

- inc/[micalFieldPropagator.hh](#)
- src/[micalFieldPropagator.cc](#)

6.55 MultiSimAnalysisDigi Class Reference

`#include <MultiSimAnalysisDigi.hh>`

Collaboration diagram for MultiSimAnalysisDigi:

Public Member Functions

- MultiSimAnalysisDigi ()
- ∼MultiSimAnalysisDigi ()
- void OpenInputRootFiles (char ∗inf)
- void OpenOutputRootFiles (char ∗outf)
- void OpenCollatedRootFile ()
- void CloseInputRootFiles ()
- void CloseOutputRootFiles ()
- void SaveGenVisFile ()
- void SetCorrTimeError (G4double val)
- void SetUnCorrTimeError (G4double val)
- void SetTimeToDigiConvVal (G4double val)
- void SetSignalSpeedVal (G4double val)
- void SetPhotonSpeedVal (G4double val)
- void SetCMVadctons (G4double val)
- double GetCorrTimeError ()
- double GetUnCorrTimeError ()
- double GetTimeToDigiConvVal ()
- double GetSignalSpeedVal ()
- double GetPhotonSpeedVal ()
- double GetCMVadctons ()

Public Attributes

- int isInOut
- int isVisOut
- int isXtermOut
- int collatedIn
- TH1F ∗ strpXtime
- TH1F ∗ strpYtime
- TH1F ∗ strpXtimeCorr
- TH1F ∗ strpYtimeCorr
- TH1F ∗ hitXtime
- TH1F ∗ hitYtime
- TH1D ∗ smagFieldX
- TH1D ∗ smagFieldY
- TH2D ∗ smag2dX
- TH2D ∗ smag2dY
- TH1D ∗ rmagFieldX
- TH1D ∗ rmagFieldY
- TH2D ∗ rmag2dX
- TH2D ∗ rmag2dY
- TH2D ∗ smag2dXYpixel_iron
- TH2D ∗ smag2dXYpixel_air
- TH2D ∗ rmag2dXYpixel_iron

- TH2D ∗ rmag2dXYpixel_air
- TH2D ∗ xyvsbxin
- TH2D ∗ xyvsbyin
- TH2D ∗ xyvsbxdiff
- TH2D ∗ xyvsbydiff
- TH2D ∗ xyvsbxindiff
- TH2D ∗ xyvsbyindiff
- TH2D ∗ xyvsbxout
- TH2D ∗ xyvsbyout
- TH2D ∗ inefficiency_corx [20]
- TH2D ∗ inefficiency_uncx [20]
- TH2D ∗ inefficiency_uncy [20]
- TH2D ∗ triggereffi_xevt [20]
- TH2D ∗ triggereffi_yevt [20]
- TH2D ∗ strp_xmulsim_cor [20]
- TH2D ∗ strp_ymulsim_cor [20]
- TH1F ∗ DeadStripX
- TH1F ∗ NoisyStripX
- TH1F ∗ DeadStripY
- TH1F ∗ NoisyStripY
- TH1F ∗ DiffTime
- TH2F ∗ RC
- TH1F ∗ DGap
- TH1D ∗ hdifftime1 [20]
- TH1D ∗ hdifftime2 [20]
- TH1D ∗ hxtime_ext [20]
- TH1D ∗ hytime_ext [20]
- TH1D ∗ hxpos_ext [20]
- TH1D ∗ hypos_ext [20]
- TH1D ∗ hxpos_ext_kalman [20]
- TH1D ∗ hypos_ext_kalman [20]
- TH1D ∗ h_hit_time_ext [20]
- TH1D ∗ xtdc_minus_ref [20][8]
- TH1D ∗ ytdc_minus_ref [20][8]
- TH1D ∗ tshift_xtdc_minus_ref [20][8]
- TH1D ∗ tshift_ytdc_minus_ref [20][8]
- Hits ∗ H
- HitPos ∗ Hp
- int EveCnt
- int nloops
- TH1F ∗ pdedz [20]
- TH1F ∗ hitDist
- TH1F ∗ TrkDist
- TH1F ∗ EffDist
- TH1F ∗ InoTrack_listsize
- TFile ∗ pRootFile
- TFile ∗ inputRootFile
- TFile ∗ pVisFile
- TFile ∗ collatedRootFile
- TTree ∗ pEventTree
- TTree ∗ inputEventTree
- TTree ∗ visTree
- RPCEve ∗ data_event
- TH1F ∗ ShwXw
- TH1F ∗ ShwYw

- TH1D ∗ trk_gap
- TH2D ∗ trk_edge
- TH1F ∗ pPosX
- TH1F ∗ pPosY
- TH1F ∗ pPosZ
- TH2F ∗ pPosXX
- TH2F ∗ pPosYY
- TH2F ∗ pPosZZ
- int ihist
- TH3F ∗ gens_list [6][nhistmx]
- vector< vectGr > gens_vect [6]
- UInt_t irun
- UInt_t ievt
- UInt_t ievt2
- UInt_t ievt3
- UInt_t ngent
- Int_t pidin [ngenmx]
- Float_t ievt_wt
- Int_t intxn_id
- Float_t momin [ngenmx]
- Float_t thein [ngenmx]
- Float_t phiin [ngenmx]
- Float_t posxin [ngenmx]
- Float_t posyin [ngenmx]
- Float_t poszin [ngenmx]
- UInt_t nsimht
- UInt_t detid [nsimhtmx]
- Int_t simpdgid [nsimhtmx]
- Float_t simtime [nsimhtmx]
- Float_t simenr [nsimhtmx]
- Float_t simvx [nsimhtmx]
- Float_t simvy [nsimhtmx]
- Float_t simvz [nsimhtmx]
- Float_t simpx [nsimhtmx]
- Float_t simpy [nsimhtmx]
- Float_t simpz [nsimhtmx]
- Float_t simlocvx [nsimhtmx]
- Float_t simlocvy [nsimhtmx]
- UInt_t ndigiht
- Int_t trigx
- Int_t trigy
- UInt_t stripid [ndigihtmx]
- Int_t digipdgid [ndigihtmx]
- Int_t digitime [ndigihtmx]
- Int_t digitruetime [ndigihtmx]
- Float_t digienr [ndigihtmx]
- Float_t digivx [ndigihtmx]
- Float_t digivy [ndigihtmx]
- Float_t digivz [ndigihtmx]
- Float_t digipx [ndigihtmx]
- Float_t digipy [ndigihtmx]
- Float_t digipz [ndigihtmx]
- int diginoise [ndigihtmx]
- G4float fitposxx [nvishtmx]
- G4float fitposyy [nvishtmx]

- G4float fitposzz [nvishtmx]
- G4float fitlayzz [nvishtmx]
- G4float fitlayx2 [nvishtmx]
- G4float fitlayx3 [nvishtmx]
- G4float fitlayx4 [nvishtmx]
- G4float fitlaymom [nvishtmx]
- G4float fitlaythe [nvishtmx]
- G4float fitlayphi [nvishtmx]
- G4float extrapolxx [nvishtmx]
- G4float extrapolyy [nvishtmx]
- G4float extrapolmom [nvishtmx]
- G4float momdiff1
- G4float radialdiff1
- unsigned int nvisht
- G4float clstposxx [nvishtmx]
- G4float clstposyy [nvishtmx]
- G4float clstposzz [nvishtmx]
- G4int clstposzpln [nvishtmx]
- unsigned int nvisclst
- Int_t ntrecord1x
- Int_t ntrecord1y
- Int_t ntrecord2x
- Int_t ntrecord2y
- Int_t striprec1x [nthtmx]
- Int_t striprec1y [nthtmx]
- Int_t striprec2x [nthtmx]
- Int_t striprec2y [nthtmx]
- Float_t tdcrec1x [nthtmx]
- Float_t tdcrec1y [nthtmx]
- Float_t tdcrec2x [nthtmx]
- Float_t tdcrec2y [nthtmx]
- Int_t nhits_last
- Int_t nhits_last_m1
- Int_t strtnhitsx
- Int_t strtnhitsy
- Float_t strtchisqx
- Float_t strtchisqy
- Float_t strtintercptx
- Float_t strtintercpty
- Float_t strtslopex
- Float_t strtslopey
- Float_t simpleradii
- Float_t simplecurv
- Float_t simplex0
- Float_t simplez0
- Float_t simplechisqpos
- Float_t simplechisqneg
- Float_t simplechisqcndn
- Float_t simpleavgxpos
- Float_t simpleavgxneg
- Float_t simpleavgxcndn
- Float_t simpleavgxmeas
- Float_t simplenhits
- Int_t ntdc1x
- Int_t ntstrp1x

- Int_t tdcID1x [nthtmx]
- Int_t StrpID1x [nthtmx]
- Float_t TDCval1x [nthtmx]
- Int_t ntdc2x
- Int_t ntstrp2x
- Int_t tdcID2x [nthtmx]
- Int_t StrpID2x [nthtmx]
- Float_t TDCval2x [nthtmx]
- Int_t ntdc1y
- Int_t ntstrp1y
- Int_t tdcID1y [nthtmx]
- Int_t StrpID1y [nthtmx]
- Float_t TDCval1y [nthtmx]
- Int_t ntdc2y
- Int_t ntstrp2y
- Int_t tdcID2y [nthtmx]
- Int_t StrpID2y [nthtmx]
- Float_t TDCval2y [nthtmx]
- Int_t nhits_below
- Float_t ftime_last
- UInt_t ngenerated
- UInt_t naperture
- UInt_t triggeracceptance
- Int_t hw_trig
- Int_t sw_trigx
- Int_t sw_trigy
- UInt_t ntrkt
- Int_t itype [ntrkmx]
- Int_t nLayer
- Int_t nhits [ntrkmx]
- Int_t nhits_finder [ntrkmx]
- Float_t chisq [ntrkmx]
- Float_t chisq2 [ntrkmx]
- Float_t cvalue [ntrkmx]
- Int_t fc_or_pc [ntrkmx]
- Float_t trkmm [ntrkmx]
- Float_t trkth [ntrkmx]
- Float_t trkph [ntrkmx]
- Float_t momvx [ntrkmx]
- Float_t thevx [ntrkmx]
- Float_t phivx [ntrkmx]
- Float_t posxvx [ntrkmx]
- Float_t posyvx [ntrkmx]
- Float_t poszvx [ntrkmx]
- G4float momrf [ntrkmx]
- G4float therf [ntrkmx]
- G4float phirf [ntrkmx]
- G4float posxrf [ntrkmx]
- G4float posyrf [ntrkmx]
- G4float poszrf [ntrkmx]
- Float_t momend [ntrkmx]
- Float_t theend [ntrkmx]
- Float_t phiend [ntrkmx]
- Float_t posxend [ntrkmx]
- Float_t posyend [ntrkmx]

- Int_t strpxend [ntrkmx]
- Int_t strpyend [ntrkmx]
- Float_t poszend [ntrkmx]
- Float_t tx_end [ntrkmx]
- Float_t ty_end [ntrkmx]
- Float_t momds [ntrkmx]
- Float_t momrg [ntrkmx]
- Float_t mcxgnvx [ntrkmx]
- Float_t mcygnvx [ntrkmx]
- Float_t momgnvx [ntrkmx]
- Float_t thegnvx [ntrkmx]
- Float_t phignvx [ntrkmx]
- Float_t momgnend [ntrkmx]
- Float_t thegnend [ntrkmx]
- Float_t phignend [ntrkmx]
- Int_t vtxzplane [ntrkmx]
- Int_t endzplane [ntrkmx]
- Int_t ntrkcl [ntrkmx]
- Int_t ntrkst [ntrkmx]
- Int_t ntotcl
- Int_t ntotst
- Int_t inohits
- Int_t orighits
- Int_t inoclust
- Int_t origclust
- Float_t hPathlength
- Int_t x_hits
- Int_t y_hits
- Int_t inohits_old
- Int_t orighits_old
- Int_t x_hits_old
- Int_t y_hits_old
- Int_t hit_wo_ghst
- Float_t e_hadron
- Int_t nhits_largest_cluster
- Int_t orighits_trape
- Int_t orighits_cluster
- Int_t hit_wogh_orighits
- Float_t theta_hadron_shw
- Float_t had_eigen_val [3]
- Float_t phi_hadron_shw
- Float_t theta_hadron_in
- Float_t phi_hadron_in
- Float_t dot_angle_had_shw
- Int_t nhits_largest_cluster_selected
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- Float_t ty [ntrkmx]
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- G4float extrapolposxerr50 [ntrkmx]
- G4float extrapolposyerr50 [ntrkmx]
- G4float extrapolposzerr50 [ntrkmx]
- G4float cmvhitrecoposx50 [ntrkmx]

- G4float cmvhitrecoposy50 [ntrkmx]
- G4float cmvhitrecoposz50 [ntrkmx]
- G4float cmvhittrueposx50 [ntrkmx]
- G4float cmvhittrueposy50 [ntrkmx]
- G4float cmvhittrueposz50 [ntrkmx]
- G4float cmvhitrecoposxerr50 [ntrkmx]
- G4float cmvhitrecoposyerr50 [ntrkmx]
- G4float cmvhitrecoposzerr50 [ntrkmx]
- G4float LeTime50 [ntrkmx]
- G4float RiTime50 [ntrkmx]
- G4float LePulse50 [ntrkmx]
- G4float RiPulse50 [ntrkmx]
- G4int clustersize51 [ntrkmx]
- G4float extrapolposx51 [ntrkmx]
- G4float extrapolposy51 [ntrkmx]
- G4float extrapolposz51 [ntrkmx]
- G4float extrapolposxerr51 [ntrkmx]
- G4float extrapolposyerr51 [ntrkmx]
- G4float extrapolposzerr51 [ntrkmx]
- G4float cmvhitrecoposx51 [ntrkmx]
- G4float cmvhitrecoposy51 [ntrkmx]
- G4float cmvhitrecoposz51 [ntrkmx]
- G4float cmvhittrueposx51 [ntrkmx]
- G4float cmvhittrueposy51 [ntrkmx]
- G4float cmvhittrueposz51 [ntrkmx]
- G4float cmvhitrecoposxerr51 [ntrkmx]
- G4float cmvhitrecoposyerr51 [ntrkmx]
- G4float cmvhitrecoposzerr51 [ntrkmx]
- G4float LeTime51 [ntrkmx]
- G4float RiTime51 [ntrkmx]
- G4float LePulse51 [ntrkmx]
- G4float RiPulse51 [ntrkmx]
- G4int clustersize52 [ntrkmx]
- G4float extrapolposx52 [ntrkmx]
- G4float extrapolposy52 [ntrkmx]
- G4float extrapolposz52 [ntrkmx]
- G4float extrapolposxerr52 [ntrkmx]
- G4float extrapolposyerr52 [ntrkmx]
- G4float extrapolposzerr52 [ntrkmx]
- G4float cmvhitrecoposx52 [ntrkmx]
- G4float cmvhitrecoposy52 [ntrkmx]
- G4float cmvhitrecoposz52 [ntrkmx]
- G4float cmvhittrueposx52 [ntrkmx]
- G4float cmvhittrueposy52 [ntrkmx]
- G4float cmvhittrueposz52 [ntrkmx]
- G4float cmvhitrecoposxerr52 [ntrkmx]
- G4float cmvhitrecoposyerr52 [ntrkmx]
- G4float cmvhitrecoposzerr52 [ntrkmx]
- G4float LeTime52 [ntrkmx]
- G4float RiTime52 [ntrkmx]
- G4float LePulse52 [ntrkmx]
- G4float RiPulse52 [ntrkmx]
- G4int clustersize60 [ntrkmx]
- G4float extrapolposx60 [ntrkmx]
- G4float extrapolposy60 [ntrkmx]

- G4float extrapolposz60 [ntrkmx]
- G4float extrapolposxerr60 [ntrkmx]
- G4float extrapolposyerr60 [ntrkmx]
- G4float extrapolposzerr60 [ntrkmx]
- G4float cmvhitrecoposx60 [ntrkmx]
- G4float cmvhitrecoposy60 [ntrkmx]
- G4float cmvhitrecoposz60 [ntrkmx]
- G4float cmvhittrueposx60 [ntrkmx]
- G4float cmvhittrueposy60 [ntrkmx]
- G4float cmvhittrueposz60 [ntrkmx]
- G4float cmvhitrecoposxerr60 [ntrkmx]
- G4float cmvhitrecoposyerr60 [ntrkmx]
- G4float cmvhitrecoposzerr60 [ntrkmx]
- G4float LeTime60 [ntrkmx]
- G4float RiTime60 [ntrkmx]
- G4float LePulse60 [ntrkmx]
- G4float RiPulse60 [ntrkmx]
- G4int clustersize61 [ntrkmx]
- G4float extrapolposx61 [ntrkmx]
- G4float extrapolposy61 [ntrkmx]
- G4float extrapolposz61 [ntrkmx]
- G4float extrapolposxerr61 [ntrkmx]
- G4float extrapolposyerr61 [ntrkmx]
- G4float extrapolposzerr61 [ntrkmx]
- G4float cmvhitrecoposx61 [ntrkmx]
- G4float cmvhitrecoposy61 [ntrkmx]
- G4float cmvhitrecoposz61 [ntrkmx]
- G4float cmvhittrueposx61 [ntrkmx]
- G4float cmvhittrueposy61 [ntrkmx]
- G4float cmvhittrueposz61 [ntrkmx]
- G4float cmvhitrecoposxerr61 [ntrkmx]
- G4float cmvhitrecoposyerr61 [ntrkmx]
- G4float cmvhitrecoposzerr61 [ntrkmx]
- G4float LeTime61 [ntrkmx]
- G4float RiTime61 [ntrkmx]
- G4float LePulse61 [ntrkmx]
- G4float RiPulse61 [ntrkmx]
- G4int clustersize62 [ntrkmx]
- G4float extrapolposx62 [ntrkmx]
- G4float extrapolposy62 [ntrkmx]
- G4float extrapolposz62 [ntrkmx]
- G4float extrapolposxerr62 [ntrkmx]
- G4float extrapolposyerr62 [ntrkmx]
- G4float extrapolposzerr62 [ntrkmx]
- G4float cmvhitrecoposx62 [ntrkmx]
- G4float cmvhitrecoposy62 [ntrkmx]
- G4float cmvhitrecoposz62 [ntrkmx]
- G4float cmvhittrueposx62 [ntrkmx]
- G4float cmvhittrueposy62 [ntrkmx]
- G4float cmvhittrueposz62 [ntrkmx]
- G4float cmvhitrecoposxerr62 [ntrkmx]
- G4float cmvhitrecoposyerr62 [ntrkmx]
- G4float cmvhitrecoposzerr62 [ntrkmx]
- G4float LeTime62 [ntrkmx]
- G4float RiTime62 [ntrkmx]

- G4float LePulse62 [ntrkmx]
- G4float RiPulse62 [ntrkmx]
- G4float extra_diff1 [ntrkmx]
- G4float extra_diff2 [ntrkmx]
- G4float extra_diff3 [ntrkmx]
- G4float ellip_diff00 [ntrkmx]
- G4float ellip_diff01 [ntrkmx]
- G4float ellip_diff02 [ntrkmx]
- G4float ellip_diff03 [ntrkmx]
- G4float ellip_diff10 [ntrkmx]
- G4float ellip_diff11 [ntrkmx]
- G4float ellip_diff12 [ntrkmx]
- G4float ellip_diff20 [ntrkmx]
- G4float ellip_diff21 [ntrkmx]
- G4float ellip_diff22 [ntrkmx]
- G4float ellip_diff30 [ntrkmx]
- G4float ellip_diff31 [ntrkmx]
- G4float ellip_diff32 [ntrkmx]
- unsigned int cmv_nsimhit
- int cmv_detid [cmv_nsimhtmx]
- int cmv_simpdgid [cmv_nsimhtmx]
- float cmv_simtime [cmv_nsimhtmx]
- float cmv_simenr [cmv_nsimhtmx]
- float cmv_simposx [cmv_nsimhtmx]
- float cmv_simposy [cmv_nsimhtmx]
- float cmv_simposz [cmv_nsimhtmx]
- Float_t cmv_simpx [cmv_nsimhtmx]
- Float_t cmv_simpy [cmv_nsimhtmx]
- Float_t cmv_simpz [cmv_nsimhtmx]
- float cmv_simlocx [cmv_nsimhtmx]
- float cmv_simlocy [cmv_nsimhtmx]
- float cmv_simlocz [cmv_nsimhtmx]
- unsigned int cmv_ndigihit
- int cmv_digipdgid [cmv_ndigihtmx]
- unsigned int cmv_sipmid [cmv_ndigihtmx]
- unsigned int cmv_digitimpul [cmv_ndigihtmx]
- float cmv_digiposx [cmv_ndigihtmx]
- float cmv_digiposy [cmv_ndigihtmx]
- float cmv_digiposz [cmv_ndigihtmx]
- float cmv_digimom [cmv_ndigihtmx]
- float cmv_digithe [cmv_ndigihtmx]
- float cmv_digiphi [cmv_ndigihtmx]
- float cmv_digilocx [cmv_ndigihtmx]
- float cmv_digilocy [cmv_ndigihtmx]
- float cmv_digilocz [cmv_ndigihtmx]
- TFile ∗ sipmnoise
- TH1F ∗ noise_hist [10][4]

Static Public Attributes

- static [MultiSimAnalysisDigi](#) ∗ [AnPointer](#)
- static const int [nhistmx](#) =1000
- static const unsigned int [ngenmx](#) =50
- static const unsigned int [nsimhtmx](#) =4000
- static const unsigned int [ndigihtmx](#) =5000
- static const unsigned int [nvishtmx](#) =5000
- static const unsigned int [nthtmx](#) =100
- static const unsigned int [ntrkmx](#) =20
- static const unsigned int [cmv_nhtmx](#) =10000
- static const unsigned int [cmv_nclustmx](#) =10000
- static const unsigned int [cmv_nexphtmx](#) =1000
- static const unsigned int [cmv_nsimhtmx](#) =1000
- static const unsigned int [cmv_ndigihtmx](#) =1000

6.55.1 Constructor & Destructor Documentation

6.55.1.1 MultiSimAnalysisDigi()

```
MultiSimAnalysisDigi::MultiSimAnalysisDigi ( )
```

6.55.1.2 ∼MultiSimAnalysisDigi()

```
MultiSimAnalysisDigi::∼MultiSimAnalysisDigi ( )
```

6.55.2 Member Function Documentation

6.55.2.1 CloseInputRootFiles()

```
void MultiSimAnalysisDigi::CloseInputRootFiles ( )
```

6.55.2.2 CloseOutputRootFiles()

```
void MultiSimAnalysisDigi::CloseOutputRootFiles ( )
```

6.55.2.3 GetCMVadctons()

```
double MultiSimAnalysisDigi::GetCMVadctons ( ) [inline]
```

6.55.2.4 GetCorrTimeError()

```
double MultiSimAnalysisDigi::GetCorrTimeError ( ) [inline]
```

6.55.2.5 GetPhotonSpeedVal()

```
double MultiSimAnalysisDigi::GetPhotonSpeedVal ( ) [inline]
```

6.55.2.6 GetSignalSpeedVal()

```
double MultiSimAnalysisDigi::GetSignalSpeedVal ( ) [inline]
```

6.55.2.7 GetTimeToDigiConvVal()

```
double MultiSimAnalysisDigi::GetTimeToDigiConvVal ( ) [inline]
```

6.55.2.8 GetUnCorrTimeError()

```
double MultiSimAnalysisDigi::GetUnCorrTimeError ( ) [inline]
```

6.55.2.9 OpenCollatedRootFile()

```
void MultiSimAnalysisDigi::OpenCollatedRootFile ( )
```

6.55.2.10 OpenInputRootFiles()

```
void MultiSimAnalysisDigi::OpenInputRootFiles (
            char * inf )
```

6.55.2.11 OpenOutputRootFiles()

```
void MultiSimAnalysisDigi::OpenOutputRootFiles (
            char * outf )
```

6.55.2.12 SaveGenVisFile()

```
void MultiSimAnalysisDigi::SaveGenVisFile ( )
```

6.55.2.13 SetCMVadctons()

```
void MultiSimAnalysisDigi::SetCMVadctons (
            G4double val )
```

6.55.2.14 SetCorrTimeError()

```
void MultiSimAnalysisDigi::SetCorrTimeError (
            G4double val )
```

6.55.2.15 SetPhotonSpeedVal()

```
void MultiSimAnalysisDigi::SetPhotonSpeedVal (
            G4double val )
```

6.55.2.16 SetSignalSpeedVal()

```
void MultiSimAnalysisDigi::SetSignalSpeedVal (
            G4double val )
```

6.55.2.17 SetTimeToDigiConvVal()

```
void MultiSimAnalysisDigi::SetTimeToDigiConvVal (
            G4double val )
```

6.55.2.18 SetUnCorrTimeError()

```
void MultiSimAnalysisDigi::SetUnCorrTimeError (
            G4double val )
```

6.55.3 Member Data Documentation

6.55.3.1 AnPointer

```
MultiSimAnalysisDigi * MultiSimAnalysisDigi::AnPointer  [static]
```

6.55.3.2 atim

```
G4float MultiSimAnalysisDigi::atim[ntrkmx]
```

6.55.3.3 atiminter

```
G4float MultiSimAnalysisDigi::atiminter[ntrkmx]
```

6.55.3.4 atimslope

```
G4float MultiSimAnalysisDigi::atimslope[ntrkmx]
```

6.55.3.5 chisq

```
Float_t MultiSimAnalysisDigi::chisq[ntrkmx]
```

6.55.3.6 chisq2

```
Float_t MultiSimAnalysisDigi::chisq2[ntrkmx]
```

6.55.3.7 clstposxx

G4float MultiSimAnalysisDigi::clstposxx[nvishtmx]

6.55.3.8 clstposyy

G4float MultiSimAnalysisDigi::clstposyy[nvishtmx]

6.55.3.9 clstposzpln

G4int MultiSimAnalysisDigi::clstposzpln[nvishtmx]

6.55.3.10 clstposzz

G4float MultiSimAnalysisDigi::clstposzz[nvishtmx]

6.55.3.11 clustersize00

G4int MultiSimAnalysisDigi::clustersize00[ntrkmx]

6.55.3.12 clustersize01

G4int MultiSimAnalysisDigi::clustersize01[ntrkmx]

6.55.3.13 clustersize02

G4int MultiSimAnalysisDigi::clustersize02[ntrkmx]

6.55.3.14 clustersize03

G4int MultiSimAnalysisDigi::clustersize03[ntrkmx]

6.55.3.15 clustersize10

G4int MultiSimAnalysisDigi::clustersize10[ntrkmx]

6.55.3.16 clustersize11

G4int MultiSimAnalysisDigi::clustersize11[ntrkmx]

6.55.3.17 clustersize12

G4int MultiSimAnalysisDigi::clustersize12[ntrkmx]

6.55.3.18 clustersize20

G4int MultiSimAnalysisDigi::clustersize20[ntrkmx]

6.55.3.19 clustersize21

G4int MultiSimAnalysisDigi::clustersize21[ntrkmx]

6.55.3.20 clustersize22

G4int MultiSimAnalysisDigi::clustersize22[ntrkmx]

6.55.3.21 clustersize30

G4int MultiSimAnalysisDigi::clustersize30[ntrkmx]

6.55.3.22 clustersize31

G4int MultiSimAnalysisDigi::clustersize31[ntrkmx]

6.55.3.23 clustersize32

G4int MultiSimAnalysisDigi::clustersize32 [ntrkmx]

6.55.3.24 clustersize40

G4int MultiSimAnalysisDigi::clustersize40 [ntrkmx]

6.55.3.25 clustersize41

G4int MultiSimAnalysisDigi::clustersize41 [ntrkmx]

6.55.3.26 clustersize42

G4int MultiSimAnalysisDigi::clustersize42 [ntrkmx]

6.55.3.27 clustersize50

G4int MultiSimAnalysisDigi::clustersize50 [ntrkmx]

6.55.3.28 clustersize51

G4int MultiSimAnalysisDigi::clustersize51 [ntrkmx]

6.55.3.29 clustersize52

G4int MultiSimAnalysisDigi::clustersize52 [ntrkmx]

6.55.3.30 clustersize60

G4int MultiSimAnalysisDigi::clustersize60 [ntrkmx]

6.55.3.31 clustersize61

G4int MultiSimAnalysisDigi::clustersize61[ntrkmx]

6.55.3.32 clustersize62

G4int MultiSimAnalysisDigi::clustersize62[ntrkmx]

6.55.3.33 cmv_clustid

unsigned int MultiSimAnalysisDigi::cmv_clustid[cmv_nclustmx]

6.55.3.34 cmv_clustLePul

G4float MultiSimAnalysisDigi::cmv_clustLePul[cmv_nclustmx]

6.55.3.35 cmv_clustLeTim

G4float MultiSimAnalysisDigi::cmv_clustLeTim[cmv_nclustmx]

6.55.3.36 cmv_clustpdgid

G4int MultiSimAnalysisDigi::cmv_clustpdgid[cmv_nclustmx]

6.55.3.37 cmv_clustRecoposx

G4float MultiSimAnalysisDigi::cmv_clustRecoposx[cmv_nclustmx]

6.55.3.38 cmv_clustRecoposy

G4float MultiSimAnalysisDigi::cmv_clustRecoposy[cmv_nclustmx]

6.55.3.39 cmv_clustRecoposz

`G4float MultiSimAnalysisDigi::cmv_clustRecoposz[`cmv_nclustmx`]`

6.55.3.40 cmv_clustRiPul

`G4float MultiSimAnalysisDigi::cmv_clustRiPul[`cmv_nclustmx`]`

6.55.3.41 cmv_clustRiTim

`G4float MultiSimAnalysisDigi::cmv_clustRiTim[`cmv_nclustmx`]`

6.55.3.42 cmv_clustsiz

`G4int MultiSimAnalysisDigi::cmv_clustsiz[`cmv_nclustmx`]`

6.55.3.43 cmv_clustTrueposx

`G4float MultiSimAnalysisDigi::cmv_clustTrueposx[`cmv_nclustmx`]`

6.55.3.44 cmv_clustTrueposy

`G4float MultiSimAnalysisDigi::cmv_clustTrueposy[`cmv_nclustmx`]`

6.55.3.45 cmv_clustTrueposz

`G4float MultiSimAnalysisDigi::cmv_clustTrueposz[`cmv_nclustmx`]`

6.55.3.46 cmv_detid

`int MultiSimAnalysisDigi::cmv_detid[`cmv_nsimhtmx`]`

6.55.3.47 cmv_digilocx

float MultiSimAnalysisDigi::cmv_digilocx[cmv_ndigihtmx]

6.55.3.48 cmv_digilocy

float MultiSimAnalysisDigi::cmv_digilocy[cmv_ndigihtmx]

6.55.3.49 cmv_digilocz

float MultiSimAnalysisDigi::cmv_digilocz[cmv_ndigihtmx]

6.55.3.50 cmv_digimom

float MultiSimAnalysisDigi::cmv_digimom[cmv_ndigihtmx]

6.55.3.51 cmv_digipdgid

int MultiSimAnalysisDigi::cmv_digipdgid[cmv_ndigihtmx]

6.55.3.52 cmv_digiphi

float MultiSimAnalysisDigi::cmv_digiphi[cmv_ndigihtmx]

6.55.3.53 cmv_digiposx

float MultiSimAnalysisDigi::cmv_digiposx[cmv_ndigihtmx]

6.55.3.54 cmv_digiposy

float MultiSimAnalysisDigi::cmv_digiposy[cmv_ndigihtmx]

6.55.3.55 cmv_digiposz

```
float MultiSimAnalysisDigi::cmv_digiposz[cmv_ndigihtmx]
```

6.55.3.56 cmv_digithe

```
float MultiSimAnalysisDigi::cmv_digithe[cmv_ndigihtmx]
```

6.55.3.57 cmv_digitimpul

```
unsigned int MultiSimAnalysisDigi::cmv_digitimpul[cmv_ndigihtmx]
```

6.55.3.58 cmv_expid

```
unsigned int MultiSimAnalysisDigi::cmv_expid[cmv_nexphtmx]
```

6.55.3.59 cmv_Expposx

```
G4float MultiSimAnalysisDigi::cmv_Expposx[cmv_nexphtmx]
```

6.55.3.60 cmv_Expposy

```
G4float MultiSimAnalysisDigi::cmv_Expposy[cmv_nexphtmx]
```

6.55.3.61 cmv_Expposz

```
G4float MultiSimAnalysisDigi::cmv_Expposz[cmv_nexphtmx]
```

6.55.3.62 cmv_hitid

```
unsigned int MultiSimAnalysisDigi::cmv_hitid[cmv_nhtmx]
```

6.55.3.63 cmv_hitLePul

G4float MultiSimAnalysisDigi::cmv_hitLePul[cmv_nhtmx]

6.55.3.64 cmv_hitLeTim

G4float MultiSimAnalysisDigi::cmv_hitLeTim[cmv_nhtmx]

6.55.3.65 cmv_hitpdgid

G4int MultiSimAnalysisDigi::cmv_hitpdgid[cmv_nhtmx]

6.55.3.66 cmv_hitRecoposx

G4float MultiSimAnalysisDigi::cmv_hitRecoposx[cmv_nhtmx]

6.55.3.67 cmv_hitRecoposy

G4float MultiSimAnalysisDigi::cmv_hitRecoposy[cmv_nhtmx]

6.55.3.68 cmv_hitRecoposz

G4float MultiSimAnalysisDigi::cmv_hitRecoposz[cmv_nhtmx]

6.55.3.69 cmv_hitRiPul

G4float MultiSimAnalysisDigi::cmv_hitRiPul[cmv_nhtmx]

6.55.3.70 cmv_hitRiTim

G4float MultiSimAnalysisDigi::cmv_hitRiTim[cmv_nhtmx]

6.55.3.71 cmv_hitTrueposx

G4float MultiSimAnalysisDigi::cmv_hitTrueposx[cmv_nhtmx]

6.55.3.72 cmv_hitTrueposy

G4float MultiSimAnalysisDigi::cmv_hitTrueposy[cmv_nhtmx]

6.55.3.73 cmv_hitTrueposz

G4float MultiSimAnalysisDigi::cmv_hitTrueposz[cmv_nhtmx]

6.55.3.74 cmv_lay

G4int MultiSimAnalysisDigi::cmv_lay[ntrkmx]

6.55.3.75 cmv_locno00

G4int MultiSimAnalysisDigi::cmv_locno00[ntrkmx]

6.55.3.76 cmv_locno01

G4int MultiSimAnalysisDigi::cmv_locno01[ntrkmx]

6.55.3.77 cmv_locno02

G4int MultiSimAnalysisDigi::cmv_locno02[ntrkmx]

6.55.3.78 cmv_locno03

G4int MultiSimAnalysisDigi::cmv_locno03[ntrkmx]

6.55.3.79 cmv_locno10

G4int MultiSimAnalysisDigi::cmv_locno10[ntrkmx]

6.55.3.80 cmv_locno11

G4int MultiSimAnalysisDigi::cmv_locno11[ntrkmx]

6.55.3.81 cmv_locno12

G4int MultiSimAnalysisDigi::cmv_locno12[ntrkmx]

6.55.3.82 cmv_locno20

G4int MultiSimAnalysisDigi::cmv_locno20[ntrkmx]

6.55.3.83 cmv_locno21

G4int MultiSimAnalysisDigi::cmv_locno21[ntrkmx]

6.55.3.84 cmv_locno22

G4int MultiSimAnalysisDigi::cmv_locno22[ntrkmx]

6.55.3.85 cmv_locno30

G4int MultiSimAnalysisDigi::cmv_locno30[ntrkmx]

6.55.3.86 cmv_locno31

G4int MultiSimAnalysisDigi::cmv_locno31[ntrkmx]

6.55.3.87 cmv_locno32

G4int MultiSimAnalysisDigi::cmv_locno32[ntrkmx]

6.55.3.88 cmv_locno40

G4int MultiSimAnalysisDigi::cmv_locno40[ntrkmx]

6.55.3.89 cmv_locno41

G4int MultiSimAnalysisDigi::cmv_locno41[ntrkmx]

6.55.3.90 cmv_locno42

G4int MultiSimAnalysisDigi::cmv_locno42[ntrkmx]

6.55.3.91 cmv_locno50

G4int MultiSimAnalysisDigi::cmv_locno50[ntrkmx]

6.55.3.92 cmv_locno51

G4int MultiSimAnalysisDigi::cmv_locno51[ntrkmx]

6.55.3.93 cmv_locno52

G4int MultiSimAnalysisDigi::cmv_locno52[ntrkmx]

6.55.3.94 cmv_locno60

G4int MultiSimAnalysisDigi::cmv_locno60[ntrkmx]

6.55.3.95 cmv_locno61

G4int MultiSimAnalysisDigi::cmv_locno61[ntrkmx]

6.55.3.96 cmv_locno62

G4int MultiSimAnalysisDigi::cmv_locno62[ntrkmx]

6.55.3.97 cmv_nclust

unsigned int MultiSimAnalysisDigi::cmv_nclust

6.55.3.98 cmv_nclustmx

const unsigned int MultiSimAnalysisDigi::cmv_nclustmx =10000 [static]

6.55.3.99 cmv_ndigihit

unsigned int MultiSimAnalysisDigi::cmv_ndigihit

6.55.3.100 cmv_ndigihtmx

const unsigned int MultiSimAnalysisDigi::cmv_ndigihtmx =1000 [static]

6.55.3.101 cmv_nexphit

unsigned int MultiSimAnalysisDigi::cmv_nexphit

6.55.3.102 cmv_nexphtmx

const unsigned int MultiSimAnalysisDigi::cmv_nexphtmx =1000 [static]

6.55.3.103 cmv_nhit

unsigned int MultiSimAnalysisDigi::cmv_nhit

6.55.3.104 cmv_nhtmx

const unsigned int MultiSimAnalysisDigi::cmv_nhtmx =10000 [static]

6.55.3.105 cmv_nsimhit

unsigned int MultiSimAnalysisDigi::cmv_nsimhit

6.55.3.106 cmv_nsimhtmx

const unsigned int MultiSimAnalysisDigi::cmv_nsimhtmx =1000 [static]

6.55.3.107 cmv_simenr

float MultiSimAnalysisDigi::cmv_simenr[cmv_nsimhtmx]

6.55.3.108 cmv_simlocx

float MultiSimAnalysisDigi::cmv_simlocx[cmv_nsimhtmx]

6.55.3.109 cmv_simlocy

float MultiSimAnalysisDigi::cmv_simlocy[cmv_nsimhtmx]

6.55.3.110 cmv_simlocz

float MultiSimAnalysisDigi::cmv_simlocz[cmv_nsimhtmx]

6.55.3.111 cmv_simpdgid

int MultiSimAnalysisDigi::cmv_simpdgid[cmv_nsimhtmx]

6.55.3.112 cmv_simposx

float MultiSimAnalysisDigi::cmv_simposx[cmv_nsimhtmx]

6.55.3.113 cmv_simposy

float MultiSimAnalysisDigi::cmv_simposy[cmv_nsimhtmx]

6.55.3.114 cmv_simposz

float MultiSimAnalysisDigi::cmv_simposz[cmv_nsimhtmx]

6.55.3.115 cmv_simpx

Float_t MultiSimAnalysisDigi::cmv_simpx[cmv_nsimhtmx]

6.55.3.116 cmv_simpy

Float_t MultiSimAnalysisDigi::cmv_simpy[cmv_nsimhtmx]

6.55.3.117 cmv_simpz

Float_t MultiSimAnalysisDigi::cmv_simpz[cmv_nsimhtmx]

6.55.3.118 cmv_simtime

float MultiSimAnalysisDigi::cmv_simtime[cmv_nsimhtmx]

6.55.3.119 cmv_sipmid

unsigned int MultiSimAnalysisDigi::cmv_sipmid[cmv_ndigihtmx]

6.55.3.120 cmv_stripno

G4int MultiSimAnalysisDigi::cmv_stripno[ntrkmx]

6.55.3.121 cmvhitrecoposx00

G4float MultiSimAnalysisDigi::cmvhitrecoposx00[ntrkmx]

6.55.3.122 cmvhitrecoposx01

G4float MultiSimAnalysisDigi::cmvhitrecoposx01[ntrkmx]

6.55.3.123 cmvhitrecoposx02

G4float MultiSimAnalysisDigi::cmvhitrecoposx02[ntrkmx]

6.55.3.124 cmvhitrecoposx03

G4float MultiSimAnalysisDigi::cmvhitrecoposx03[ntrkmx]

6.55.3.125 cmvhitrecoposx10

G4float MultiSimAnalysisDigi::cmvhitrecoposx10[ntrkmx]

6.55.3.126 cmvhitrecoposx11

G4float MultiSimAnalysisDigi::cmvhitrecoposx11[ntrkmx]

6.55.3.127 cmvhitrecoposx12

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6.55.3.128 cmvhitrecoposx20

G4float MultiSimAnalysisDigi::cmvhitrecoposx20[ntrkmx]

6.55.3.129 cmvhitrecoposx21

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6.55.3.130 cmvhitrecoposx22

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6.55.3.131 cmvhitrecoposx30

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6.55.3.132 cmvhitrecoposx31

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6.55.3.133 cmvhitrecoposx32

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6.55.3.134 cmvhitrecoposx40

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6.55.3.135 cmvhitrecoposx41

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6.55.3.136 cmvhitrecoposx42

G4float MultiSimAnalysisDigi::cmvhitrecoposx42[ntrkmx]

6.55.3.137 cmvhitrecoposx50

G4float MultiSimAnalysisDigi::cmvhitrecoposx50[ntrkmx]

6.55.3.138 cmvhitrecoposx51

G4float MultiSimAnalysisDigi::cmvhitrecoposx51[ntrkmx]

6.55.3.139 cmvhitrecoposx52

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6.55.3.140 cmvhitrecoposx60

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6.55.3.141 cmvhitrecoposx61

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6.55.3.142 cmvhitrecoposx62

G4float MultiSimAnalysisDigi::cmvhitrecoposx62[ntrkmx]

6.55.3.143 cmvhitrecoposxerr00

G4float MultiSimAnalysisDigi::cmvhitrecoposxerr00[ntrkmx]

6.55.3.144 cmvhitrecoposxerr01

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6.55.3.145 cmvhitrecoposxerr02

G4float MultiSimAnalysisDigi::cmvhitrecoposxerr02[ntrkmx]

6.55.3.146 cmvhitrecoposxerr03

G4float MultiSimAnalysisDigi::cmvhitrecoposxerr03[ntrkmx]

6.55.3.147 cmvhitrecoposxerr10

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6.55.3.148 cmvhitrecoposxerr11

G4float MultiSimAnalysisDigi::cmvhitrecoposxerr11[ntrkmx]

6.55.3.149 cmvhitrecoposxerr12

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6.55.3.150 cmvhitrecoposxerr20

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6.55.3.151 cmvhitrecoposxerr21

`G4float MultiSimAnalysisDigi::cmvhitrecoposxerr21`[ntrkmx]

6.55.3.152 cmvhitrecoposxerr22

`G4float MultiSimAnalysisDigi::cmvhitrecoposxerr22`[ntrkmx]

6.55.3.153 cmvhitrecoposxerr30

`G4float MultiSimAnalysisDigi::cmvhitrecoposxerr30`[ntrkmx]

6.55.3.154 cmvhitrecoposxerr31

`G4float MultiSimAnalysisDigi::cmvhitrecoposxerr31`[ntrkmx]

6.55.3.155 cmvhitrecoposxerr32

`G4float MultiSimAnalysisDigi::cmvhitrecoposxerr32`[ntrkmx]

6.55.3.156 cmvhitrecoposxerr40

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6.55.3.157 cmvhitrecoposxerr41

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6.55.3.158 cmvhitrecoposxerr42

`G4float MultiSimAnalysisDigi::cmvhitrecoposxerr42`[ntrkmx]

6.55.3.159 cmvhitrecoposxerr50

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6.55.3.160 cmvhitrecoposxerr51

G4float MultiSimAnalysisDigi::cmvhitrecoposxerr51[ntrkmx]

6.55.3.161 cmvhitrecoposxerr52

G4float MultiSimAnalysisDigi::cmvhitrecoposxerr52[ntrkmx]

6.55.3.162 cmvhitrecoposxerr60

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6.55.3.163 cmvhitrecoposxerr61

G4float MultiSimAnalysisDigi::cmvhitrecoposxerr61[ntrkmx]

6.55.3.164 cmvhitrecoposxerr62

G4float MultiSimAnalysisDigi::cmvhitrecoposxerr62[ntrkmx]

6.55.3.165 cmvhitrecoposy00

G4float MultiSimAnalysisDigi::cmvhitrecoposy00[ntrkmx]

6.55.3.166 cmvhitrecoposy01

G4float MultiSimAnalysisDigi::cmvhitrecoposy01[ntrkmx]

6.55.3.167 cmvhitrecoposy02

G4float MultiSimAnalysisDigi::cmvhitrecoposy02[ntrkmx]

6.55.3.168 cmvhitrecoposy03

G4float MultiSimAnalysisDigi::cmvhitrecoposy03[ntrkmx]

6.55.3.169 cmvhitrecoposy10

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6.55.3.170 cmvhitrecoposy11

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6.55.3.171 cmvhitrecoposy12

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6.55.3.172 cmvhitrecoposy20

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6.55.3.173 cmvhitrecoposy21

G4float MultiSimAnalysisDigi::cmvhitrecoposy21[ntrkmx]

6.55.3.174 cmvhitrecoposy22

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6.55.3.175 cmvhitrecoposy30

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6.55.3.176 cmvhitrecoposy31

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6.55.3.177 cmvhitrecoposy32

G4float MultiSimAnalysisDigi::cmvhitrecoposy32[ntrkmx]

6.55.3.178 cmvhitrecoposy40

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6.55.3.179 cmvhitrecoposy41

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6.55.3.181 cmvhitrecoposy50

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6.55.3.182 cmvhitrecoposy51

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6.55.3.184 cmvhitrecoposy60

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6.55.3.185 cmvhitrecoposy61

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6.55.3.186 cmvhitrecoposy62

`G4float MultiSimAnalysisDigi::cmvhitrecoposy62[ntrkmx]`

6.55.3.187 cmvhitrecoposyerr00

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6.55.3.188 cmvhitrecoposyerr01

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6.55.3.189 cmvhitrecoposyerr02

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6.55.3.190 cmvhitrecoposyerr03

`G4float MultiSimAnalysisDigi::cmvhitrecoposyerr03[ntrkmx]`

6.55.3.191 cmvhitrecoposyerr10

G4float MultiSimAnalysisDigi::cmvhitrecoposyerr10[ntrkmx]

6.55.3.192 cmvhitrecoposyerr11

G4float MultiSimAnalysisDigi::cmvhitrecoposyerr11[ntrkmx]

6.55.3.193 cmvhitrecoposyerr12

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6.55.3.194 cmvhitrecoposyerr20

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6.55.3.195 cmvhitrecoposyerr21

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6.55.3.196 cmvhitrecoposyerr22

G4float MultiSimAnalysisDigi::cmvhitrecoposyerr22[ntrkmx]

6.55.3.197 cmvhitrecoposyerr30

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6.55.3.198 cmvhitrecoposyerr31

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6.55.3.203 cmvhitrecoposyerr50

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6.55.3.204 cmvhitrecoposyerr51

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6.55.3.207 cmvhitrecoposyerr61

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6.55.3.209 cmvhitrecoposz00

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6.55.3.210 cmvhitrecoposz01

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6.55.3.211 cmvhitrecoposz02

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6.55.3.214 cmvhitrecoposz11

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6.55.3.215 cmvhitrecoposz12

G4float MultiSimAnalysisDigi::cmvhitrecoposz12[ntrkmx]

6.55.3.216 cmvhitrecoposz20

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6.55.3.217 cmvhitrecoposz21

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6.55.3.218 cmvhitrecoposz22

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6.55.3.230 cmvhitrecoposz62

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6.55.3.231 cmvhitrecoposzerr00

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6.55.3.233 cmvhitrecoposzerr02

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6.55.3.234 cmvhitrecoposzerr03

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6.55.3.235 cmvhitrecoposzerr10

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6.55.3.239 cmvhitrecoposzerr21

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6.55.3.247 cmvhitrecoposzerr50

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6.55.3.248 cmvhitrecoposzerr51

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6.55.3.249 cmvhitrecoposzerr52

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6.55.3.250 cmvhitrecoposzerr60

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6.55.3.251 cmvhitrecoposzerr61

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6.55.3.252 cmvhitrecoposzerr62

G4float MultiSimAnalysisDigi::cmvhitrecoposzerr62[ntrkmx]

6.55.3.253 cmvhittrueposx00

G4float MultiSimAnalysisDigi::cmvhittrueposx00[ntrkmx]

6.55.3.254 cmvhittrueposx01

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6.55.3.256 cmvhittrueposx03

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6.55.3.257 cmvhittrueposx10

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6.55.3.258 cmvhittrueposx11

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6.55.3.259 cmvhittrueposx12

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6.55.3.261 cmvhittrueposx21

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6.55.3.264 cmvhittrueposx31

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6.55.3.265 cmvhittrueposx32

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6.55.3.266 cmvhittrueposx40

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6.55.3.267 cmvhittrueposx41

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6.55.3.268 cmvhittrueposx42

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6.55.3.269 cmvhittrueposx50

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6.55.3.270 cmvhittrueposx51

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6.55.3.274 cmvhittrueposx62

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6.55.3.275 cmvhittrueposy00

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6.55.3.276 cmvhittrueposy01

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6.55.3.277 cmvhittrueposy02

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6.55.3.278 cmvhittrueposy03

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6.55.3.283 cmvhittrueposy21

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6.55.3.296 cmvhittrueposy62

G4float MultiSimAnalysisDigi::cmvhittrueposy62[ntrkmx]

6.55.3.297 cmvhittrueposz00

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6.55.3.298 cmvhittrueposz01

G4float MultiSimAnalysisDigi::cmvhittrueposz01[ntrkmx]

6.55.3.299 cmvhittrueposz02

G4float MultiSimAnalysisDigi::cmvhittrueposz02[ntrkmx]

6.55.3.300 cmvhittrueposz03

G4float MultiSimAnalysisDigi::cmvhittrueposz03[ntrkmx]

6.55.3.301 cmvhittrueposz10

G4float MultiSimAnalysisDigi::cmvhittrueposz10[ntrkmx]

6.55.3.302 cmvhittrueposz11

G4float MultiSimAnalysisDigi::cmvhittrueposz11[ntrkmx]

6.55.3.303 cmvhittrueposz12

G4float MultiSimAnalysisDigi::cmvhittrueposz12[ntrkmx]

6.55.3.304 cmvhittrueposz20

G4float MultiSimAnalysisDigi::cmvhittrueposz20[ntrkmx]

6.55.3.305 cmvhittrueposz21

G4float MultiSimAnalysisDigi::cmvhittrueposz21[ntrkmx]

6.55.3.306 cmvhittrueposz22

G4float MultiSimAnalysisDigi::cmvhittrueposz22[ntrkmx]

6.55.3.307 cmvhittrueposz30

G4float MultiSimAnalysisDigi::cmvhittrueposz30[ntrkmx]

6.55.3.308 cmvhittrueposz31

G4float MultiSimAnalysisDigi::cmvhittrueposz31[ntrkmx]

6.55.3.309 cmvhittrueposz32

G4float MultiSimAnalysisDigi::cmvhittrueposz32[ntrkmx]

6.55.3.310 cmvhittrueposz40

G4float MultiSimAnalysisDigi::cmvhittrueposz40[ntrkmx]

6.55.3.311 cmvhittrueposz41

G4float MultiSimAnalysisDigi::cmvhittrueposz41[ntrkmx]

6.55.3.312 cmvhittrueposz42

G4float MultiSimAnalysisDigi::cmvhittrueposz42[ntrkmx]

6.55.3.313 cmvhittrueposz50

G4float MultiSimAnalysisDigi::cmvhittrueposz50[ntrkmx]

6.55.3.314 cmvhittrueposz51

G4float MultiSimAnalysisDigi::cmvhittrueposz51[ntrkmx]

6.55.3.315 cmvhittrueposz52

G4float MultiSimAnalysisDigi::cmvhittrueposz52[ntrkmx]

6.55.3.316 cmvhittrueposz60

G4float MultiSimAnalysisDigi::cmvhittrueposz60[ntrkmx]

6.55.3.317 cmvhittrueposz61

G4float MultiSimAnalysisDigi::cmvhittrueposz61[ntrkmx]

6.55.3.318 cmvhittrueposz62

G4float MultiSimAnalysisDigi::cmvhittrueposz62[ntrkmx]

6.55.3.319 collatedIn

```
int MultiSimAnalysisDigi::collatedIn
```

6.55.3.320 collatedRootFile

```
TFile* MultiSimAnalysisDigi::collatedRootFile
```

6.55.3.321 cvalue

```
Float_t MultiSimAnalysisDigi::cvalue[ntrkmx]
```

6.55.3.322 data_event

```
RPCEve* MultiSimAnalysisDigi::data_event
```

6.55.3.323 DeadStripX

```
TH1F* MultiSimAnalysisDigi::DeadStripX
```

6.55.3.324 DeadStripY

```
TH1F* MultiSimAnalysisDigi::DeadStripY
```

6.55.3.325 debug

```
G4float MultiSimAnalysisDigi::debug[ntrkmx]
```

6.55.3.326 detid

```
UInt_t MultiSimAnalysisDigi::detid[nsimhtmx]
```

6.55.3.327 DGap

```
TH1F* MultiSimAnalysisDigi::DGap
```

6.55.3.328 DiffTime

```
TH1F* MultiSimAnalysisDigi::DiffTime
```

6.55.3.329 digienr

```
Float_t MultiSimAnalysisDigi::digienr[ndigihtmx]
```

6.55.3.330 diginoise

```
int MultiSimAnalysisDigi::diginoise[ndigihtmx]
```

6.55.3.331 digipdgid

```
Int_t MultiSimAnalysisDigi::digipdgid[ndigihtmx]
```

6.55.3.332 digipx

```
Float_t MultiSimAnalysisDigi::digipx[ndigihtmx]
```

6.55.3.333 digipy

```
Float_t MultiSimAnalysisDigi::digipy[ndigihtmx]
```

6.55.3.334 digipz

```
Float_t MultiSimAnalysisDigi::digipz[ndigihtmx]
```

6.55.3.335 digitime

```
Int_t MultiSimAnalysisDigi::digitime[ndigihtmx]
```

6.55.3.336 digitruetime

```
Int_t MultiSimAnalysisDigi::digitruetime[ndigihtmx]
```

6.55.3.337 digivx

```
Float_t MultiSimAnalysisDigi::digivx[ndigihtmx]
```

6.55.3.338 digivy

```
Float_t MultiSimAnalysisDigi::digivy[ndigihtmx]
```

6.55.3.339 digivz

```
Float_t MultiSimAnalysisDigi::digivz[ndigihtmx]
```

6.55.3.340 distofclosapp

```
G4float MultiSimAnalysisDigi::distofclosapp[ntrkmx]
```

6.55.3.341 dot_angle_had_shw

```
Float_t MultiSimAnalysisDigi::dot_angle_had_shw
```

6.55.3.342 e_hadron

```
Float_t MultiSimAnalysisDigi::e_hadron
```

6.55.3.343 EffDist

`TH1F* MultiSimAnalysisDigi::EffDist`

6.55.3.344 ellip_diff00

`G4float MultiSimAnalysisDigi::ellip_diff00[`ntrkmx`]`

6.55.3.345 ellip_diff01

`G4float MultiSimAnalysisDigi::ellip_diff01[`ntrkmx`]`

6.55.3.346 ellip_diff02

`G4float MultiSimAnalysisDigi::ellip_diff02[`ntrkmx`]`

6.55.3.347 ellip_diff03

`G4float MultiSimAnalysisDigi::ellip_diff03[`ntrkmx`]`

6.55.3.348 ellip_diff10

`G4float MultiSimAnalysisDigi::ellip_diff10[`ntrkmx`]`

6.55.3.349 ellip_diff11

`G4float MultiSimAnalysisDigi::ellip_diff11[`ntrkmx`]`

6.55.3.350 ellip_diff12

`G4float MultiSimAnalysisDigi::ellip_diff12[`ntrkmx`]`

6.55.3.351 ellip_diff20

G4float MultiSimAnalysisDigi::ellip_diff20[ntrkmx]

6.55.3.352 ellip_diff21

G4float MultiSimAnalysisDigi::ellip_diff21[ntrkmx]

6.55.3.353 ellip_diff22

G4float MultiSimAnalysisDigi::ellip_diff22[ntrkmx]

6.55.3.354 ellip_diff30

G4float MultiSimAnalysisDigi::ellip_diff30[ntrkmx]

6.55.3.355 ellip_diff31

G4float MultiSimAnalysisDigi::ellip_diff31[ntrkmx]

6.55.3.356 ellip_diff32

G4float MultiSimAnalysisDigi::ellip_diff32[ntrkmx]

6.55.3.357 endzplane

Int_t MultiSimAnalysisDigi::endzplane[ntrkmx]

6.55.3.358 EveCnt

int MultiSimAnalysisDigi::EveCnt

6.55.3.359 extra_diff1

G4float MultiSimAnalysisDigi::extra_diff1[ntrkmx]

6.55.3.360 extra_diff2

G4float MultiSimAnalysisDigi::extra_diff2[ntrkmx]

6.55.3.361 extra_diff3

G4float MultiSimAnalysisDigi::extra_diff3[ntrkmx]

6.55.3.362 extrapolatim00

G4float MultiSimAnalysisDigi::extrapolatim00[ntrkmx]

6.55.3.363 extrapolatim01

G4float MultiSimAnalysisDigi::extrapolatim01[ntrkmx]

6.55.3.364 extrapolatim02

G4float MultiSimAnalysisDigi::extrapolatim02[ntrkmx]

6.55.3.365 extrapolatim03

G4float MultiSimAnalysisDigi::extrapolatim03[ntrkmx]

6.55.3.366 extrapolmom

G4float MultiSimAnalysisDigi::extrapolmom[nvishtmx]

6.55.3.367 extrapolposx00

G4float MultiSimAnalysisDigi::extrapolposx00[ntrkmx]

6.55.3.368 extrapolposx01

G4float MultiSimAnalysisDigi::extrapolposx01[ntrkmx]

6.55.3.369 extrapolposx02

G4float MultiSimAnalysisDigi::extrapolposx02[ntrkmx]

6.55.3.370 extrapolposx03

G4float MultiSimAnalysisDigi::extrapolposx03[ntrkmx]

6.55.3.371 extrapolposx10

G4float MultiSimAnalysisDigi::extrapolposx10[ntrkmx]

6.55.3.372 extrapolposx11

G4float MultiSimAnalysisDigi::extrapolposx11[ntrkmx]

6.55.3.373 extrapolposx12

G4float MultiSimAnalysisDigi::extrapolposx12[ntrkmx]

6.55.3.374 extrapolposx20

G4float MultiSimAnalysisDigi::extrapolposx20[ntrkmx]

6.55.3.375 extrapolposx21

G4float MultiSimAnalysisDigi::extrapolposx21[ntrkmx]

6.55.3.376 extrapolposx22

G4float MultiSimAnalysisDigi::extrapolposx22[ntrkmx]

6.55.3.377 extrapolposx30

G4float MultiSimAnalysisDigi::extrapolposx30[ntrkmx]

6.55.3.378 extrapolposx31

G4float MultiSimAnalysisDigi::extrapolposx31[ntrkmx]

6.55.3.379 extrapolposx32

G4float MultiSimAnalysisDigi::extrapolposx32[ntrkmx]

6.55.3.380 extrapolposx40

G4float MultiSimAnalysisDigi::extrapolposx40[ntrkmx]

6.55.3.381 extrapolposx41

G4float MultiSimAnalysisDigi::extrapolposx41[ntrkmx]

6.55.3.382 extrapolposx42

G4float MultiSimAnalysisDigi::extrapolposx42[ntrkmx]

6.55.3.383 extrapolposx50

G4float MultiSimAnalysisDigi::extrapolposx50[ntrkmx]

6.55.3.384 extrapolposx51

G4float MultiSimAnalysisDigi::extrapolposx51[ntrkmx]

6.55.3.385 extrapolposx52

G4float MultiSimAnalysisDigi::extrapolposx52[ntrkmx]

6.55.3.386 extrapolposx60

G4float MultiSimAnalysisDigi::extrapolposx60[ntrkmx]

6.55.3.387 extrapolposx61

G4float MultiSimAnalysisDigi::extrapolposx61[ntrkmx]

6.55.3.388 extrapolposx62

G4float MultiSimAnalysisDigi::extrapolposx62[ntrkmx]

6.55.3.389 extrapolposxerr00

G4float MultiSimAnalysisDigi::extrapolposxerr00[ntrkmx]

6.55.3.390 extrapolposxerr01

G4float MultiSimAnalysisDigi::extrapolposxerr01[ntrkmx]

6.55.3.391 extrapolposxerr02

```
G4float MultiSimAnalysisDigi::extrapolposxerr02[ntrkmx]
```

6.55.3.392 extrapolposxerr03

```
G4float MultiSimAnalysisDigi::extrapolposxerr03[ntrkmx]
```

6.55.3.393 extrapolposxerr10

```
G4float MultiSimAnalysisDigi::extrapolposxerr10[ntrkmx]
```

6.55.3.394 extrapolposxerr11

```
G4float MultiSimAnalysisDigi::extrapolposxerr11[ntrkmx]
```

6.55.3.395 extrapolposxerr12

```
G4float MultiSimAnalysisDigi::extrapolposxerr12[ntrkmx]
```

6.55.3.396 extrapolposxerr20

```
G4float MultiSimAnalysisDigi::extrapolposxerr20[ntrkmx]
```

6.55.3.397 extrapolposxerr21

```
G4float MultiSimAnalysisDigi::extrapolposxerr21[ntrkmx]
```

6.55.3.398 extrapolposxerr22

```
G4float MultiSimAnalysisDigi::extrapolposxerr22[ntrkmx]
```

6.55.3.399 extrapolposxerr30

G4float MultiSimAnalysisDigi::extrapolposxerr30[ntrkmx]

6.55.3.400 extrapolposxerr31

G4float MultiSimAnalysisDigi::extrapolposxerr31[ntrkmx]

6.55.3.401 extrapolposxerr32

G4float MultiSimAnalysisDigi::extrapolposxerr32[ntrkmx]

6.55.3.402 extrapolposxerr40

G4float MultiSimAnalysisDigi::extrapolposxerr40[ntrkmx]

6.55.3.403 extrapolposxerr41

G4float MultiSimAnalysisDigi::extrapolposxerr41[ntrkmx]

6.55.3.404 extrapolposxerr42

G4float MultiSimAnalysisDigi::extrapolposxerr42[ntrkmx]

6.55.3.405 extrapolposxerr50

G4float MultiSimAnalysisDigi::extrapolposxerr50[ntrkmx]

6.55.3.406 extrapolposxerr51

G4float MultiSimAnalysisDigi::extrapolposxerr51[ntrkmx]

6.55.3.407 extrapolposxerr52

G4float MultiSimAnalysisDigi::extrapolposxerr52[ntrkmx]

6.55.3.408 extrapolposxerr60

G4float MultiSimAnalysisDigi::extrapolposxerr60[ntrkmx]

6.55.3.409 extrapolposxerr61

G4float MultiSimAnalysisDigi::extrapolposxerr61[ntrkmx]

6.55.3.410 extrapolposxerr62

G4float MultiSimAnalysisDigi::extrapolposxerr62[ntrkmx]

6.55.3.411 extrapolposy00

G4float MultiSimAnalysisDigi::extrapolposy00[ntrkmx]

6.55.3.412 extrapolposy01

G4float MultiSimAnalysisDigi::extrapolposy01[ntrkmx]

6.55.3.413 extrapolposy02

G4float MultiSimAnalysisDigi::extrapolposy02[ntrkmx]

6.55.3.414 extrapolposy03

G4float MultiSimAnalysisDigi::extrapolposy03[ntrkmx]

6.55.3.415 extrapolposy10

G4float MultiSimAnalysisDigi::extrapolposy10[ntrkmx]

6.55.3.416 extrapolposy11

G4float MultiSimAnalysisDigi::extrapolposy11[ntrkmx]

6.55.3.417 extrapolposy12

G4float MultiSimAnalysisDigi::extrapolposy12[ntrkmx]

6.55.3.418 extrapolposy20

G4float MultiSimAnalysisDigi::extrapolposy20[ntrkmx]

6.55.3.419 extrapolposy21

G4float MultiSimAnalysisDigi::extrapolposy21[ntrkmx]

6.55.3.420 extrapolposy22

G4float MultiSimAnalysisDigi::extrapolposy22[ntrkmx]

6.55.3.421 extrapolposy30

G4float MultiSimAnalysisDigi::extrapolposy30[ntrkmx]

6.55.3.422 extrapolposy31

G4float MultiSimAnalysisDigi::extrapolposy31[ntrkmx]

6.55.3.423 extrapolposy32

G4float MultiSimAnalysisDigi::extrapolposy32[ntrkmx]

6.55.3.424 extrapolposy40

G4float MultiSimAnalysisDigi::extrapolposy40[ntrkmx]

6.55.3.425 extrapolposy41

G4float MultiSimAnalysisDigi::extrapolposy41[ntrkmx]

6.55.3.426 extrapolposy42

G4float MultiSimAnalysisDigi::extrapolposy42[ntrkmx]

6.55.3.427 extrapolposy50

G4float MultiSimAnalysisDigi::extrapolposy50[ntrkmx]

6.55.3.428 extrapolposy51

G4float MultiSimAnalysisDigi::extrapolposy51[ntrkmx]

6.55.3.429 extrapolposy52

G4float MultiSimAnalysisDigi::extrapolposy52[ntrkmx]

6.55.3.430 extrapolposy60

G4float MultiSimAnalysisDigi::extrapolposy60[ntrkmx]

6.55.3.431 extrapolposy61

G4float MultiSimAnalysisDigi::extrapolposy61[ntrkmx]

6.55.3.432 extrapolposy62

G4float MultiSimAnalysisDigi::extrapolposy62[ntrkmx]

6.55.3.433 extrapolposyerr00

G4float MultiSimAnalysisDigi::extrapolposyerr00[ntrkmx]

6.55.3.434 extrapolposyerr01

G4float MultiSimAnalysisDigi::extrapolposyerr01[ntrkmx]

6.55.3.435 extrapolposyerr02

G4float MultiSimAnalysisDigi::extrapolposyerr02[ntrkmx]

6.55.3.436 extrapolposyerr03

G4float MultiSimAnalysisDigi::extrapolposyerr03[ntrkmx]

6.55.3.437 extrapolposyerr10

G4float MultiSimAnalysisDigi::extrapolposyerr10[ntrkmx]

6.55.3.438 extrapolposyerr11

G4float MultiSimAnalysisDigi::extrapolposyerr11[ntrkmx]

6.55.3.439 extrapolposyerr12

```
G4float MultiSimAnalysisDigi::extrapolposyerr12[ntrkmx]
```

6.55.3.440 extrapolposyerr20

```
G4float MultiSimAnalysisDigi::extrapolposyerr20[ntrkmx]
```

6.55.3.441 extrapolposyerr21

```
G4float MultiSimAnalysisDigi::extrapolposyerr21[ntrkmx]
```

6.55.3.442 extrapolposyerr22

```
G4float MultiSimAnalysisDigi::extrapolposyerr22[ntrkmx]
```

6.55.3.443 extrapolposyerr30

```
G4float MultiSimAnalysisDigi::extrapolposyerr30[ntrkmx]
```

6.55.3.444 extrapolposyerr31

```
G4float MultiSimAnalysisDigi::extrapolposyerr31[ntrkmx]
```

6.55.3.445 extrapolposyerr32

```
G4float MultiSimAnalysisDigi::extrapolposyerr32[ntrkmx]
```

6.55.3.446 extrapolposyerr40

```
G4float MultiSimAnalysisDigi::extrapolposyerr40[ntrkmx]
```

6.55.3.447 extrapolposyerr41

G4float MultiSimAnalysisDigi::extrapolposyerr41[ntrkmx]

6.55.3.448 extrapolposyerr42

G4float MultiSimAnalysisDigi::extrapolposyerr42[ntrkmx]

6.55.3.449 extrapolposyerr50

G4float MultiSimAnalysisDigi::extrapolposyerr50[ntrkmx]

6.55.3.450 extrapolposyerr51

G4float MultiSimAnalysisDigi::extrapolposyerr51[ntrkmx]

6.55.3.451 extrapolposyerr52

G4float MultiSimAnalysisDigi::extrapolposyerr52[ntrkmx]

6.55.3.452 extrapolposyerr60

G4float MultiSimAnalysisDigi::extrapolposyerr60[ntrkmx]

6.55.3.453 extrapolposyerr61

G4float MultiSimAnalysisDigi::extrapolposyerr61[ntrkmx]

6.55.3.454 extrapolposyerr62

G4float MultiSimAnalysisDigi::extrapolposyerr62[ntrkmx]

6.55.3.455 extrapolposz00

G4float MultiSimAnalysisDigi::extrapolposz00[ntrkmx]

6.55.3.456 extrapolposz01

G4float MultiSimAnalysisDigi::extrapolposz01[ntrkmx]

6.55.3.457 extrapolposz02

G4float MultiSimAnalysisDigi::extrapolposz02[ntrkmx]

6.55.3.458 extrapolposz03

G4float MultiSimAnalysisDigi::extrapolposz03[ntrkmx]

6.55.3.459 extrapolposz10

G4float MultiSimAnalysisDigi::extrapolposz10[ntrkmx]

6.55.3.460 extrapolposz11

G4float MultiSimAnalysisDigi::extrapolposz11[ntrkmx]

6.55.3.461 extrapolposz12

G4float MultiSimAnalysisDigi::extrapolposz12[ntrkmx]

6.55.3.462 extrapolposz20

G4float MultiSimAnalysisDigi::extrapolposz20[ntrkmx]

6.55.3.463 extrapolposz21

G4float MultiSimAnalysisDigi::extrapolposz21[ntrkmx]

6.55.3.464 extrapolposz22

G4float MultiSimAnalysisDigi::extrapolposz22[ntrkmx]

6.55.3.465 extrapolposz30

G4float MultiSimAnalysisDigi::extrapolposz30[ntrkmx]

6.55.3.466 extrapolposz31

G4float MultiSimAnalysisDigi::extrapolposz31[ntrkmx]

6.55.3.467 extrapolposz32

G4float MultiSimAnalysisDigi::extrapolposz32[ntrkmx]

6.55.3.468 extrapolposz40

G4float MultiSimAnalysisDigi::extrapolposz40[ntrkmx]

6.55.3.469 extrapolposz41

G4float MultiSimAnalysisDigi::extrapolposz41[ntrkmx]

6.55.3.470 extrapolposz42

G4float MultiSimAnalysisDigi::extrapolposz42[ntrkmx]

6.55.3.471 extrapolposz50

G4float MultiSimAnalysisDigi::extrapolposz50[ntrkmx]

6.55.3.472 extrapolposz51

G4float MultiSimAnalysisDigi::extrapolposz51[ntrkmx]

6.55.3.473 extrapolposz52

G4float MultiSimAnalysisDigi::extrapolposz52[ntrkmx]

6.55.3.474 extrapolposz60

G4float MultiSimAnalysisDigi::extrapolposz60[ntrkmx]

6.55.3.475 extrapolposz61

G4float MultiSimAnalysisDigi::extrapolposz61[ntrkmx]

6.55.3.476 extrapolposz62

G4float MultiSimAnalysisDigi::extrapolposz62[ntrkmx]

6.55.3.477 extrapolposzerr00

G4float MultiSimAnalysisDigi::extrapolposzerr00[ntrkmx]

6.55.3.478 extrapolposzerr01

G4float MultiSimAnalysisDigi::extrapolposzerr01[ntrkmx]

6.55.3.479 extrapolposzerr02

G4float MultiSimAnalysisDigi::extrapolposzerr02[ntrkmx]

6.55.3.480 extrapolposzerr03

G4float MultiSimAnalysisDigi::extrapolposzerr03[ntrkmx]

6.55.3.481 extrapolposzerr10

G4float MultiSimAnalysisDigi::extrapolposzerr10[ntrkmx]

6.55.3.482 extrapolposzerr11

G4float MultiSimAnalysisDigi::extrapolposzerr11[ntrkmx]

6.55.3.483 extrapolposzerr12

G4float MultiSimAnalysisDigi::extrapolposzerr12[ntrkmx]

6.55.3.484 extrapolposzerr20

G4float MultiSimAnalysisDigi::extrapolposzerr20[ntrkmx]

6.55.3.485 extrapolposzerr21

G4float MultiSimAnalysisDigi::extrapolposzerr21[ntrkmx]

6.55.3.486 extrapolposzerr22

G4float MultiSimAnalysisDigi::extrapolposzerr22[ntrkmx]

6.55.3.487 extrapolposzerr30

G4float MultiSimAnalysisDigi::extrapolposzerr30[ntrkmx]

6.55.3.488 extrapolposzerr31

G4float MultiSimAnalysisDigi::extrapolposzerr31[ntrkmx]

6.55.3.489 extrapolposzerr32

G4float MultiSimAnalysisDigi::extrapolposzerr32[ntrkmx]

6.55.3.490 extrapolposzerr40

G4float MultiSimAnalysisDigi::extrapolposzerr40[ntrkmx]

6.55.3.491 extrapolposzerr41

G4float MultiSimAnalysisDigi::extrapolposzerr41[ntrkmx]

6.55.3.492 extrapolposzerr42

G4float MultiSimAnalysisDigi::extrapolposzerr42[ntrkmx]

6.55.3.493 extrapolposzerr50

G4float MultiSimAnalysisDigi::extrapolposzerr50[ntrkmx]

6.55.3.494 extrapolposzerr51

G4float MultiSimAnalysisDigi::extrapolposzerr51[ntrkmx]

6.55.3.495 extrapolposzerr52

G4float MultiSimAnalysisDigi::extrapolposzerr52[ntrkmx]

6.55.3.496 extrapolposzerr60

G4float MultiSimAnalysisDigi::extrapolposzerr60[ntrkmx]

6.55.3.497 extrapolposzerr61

G4float MultiSimAnalysisDigi::extrapolposzerr61[ntrkmx]

6.55.3.498 extrapolposzerr62

G4float MultiSimAnalysisDigi::extrapolposzerr62[ntrkmx]

6.55.3.499 extrapolxx

G4float MultiSimAnalysisDigi::extrapolxx[nvishtmx]

6.55.3.500 extrapolyy

G4float MultiSimAnalysisDigi::extrapolyy[nvishtmx]

6.55.3.501 fc_or_pc

Int_t MultiSimAnalysisDigi::fc_or_pc[ntrkmx]

6.55.3.502 fitlaymom

G4float MultiSimAnalysisDigi::fitlaymom[nvishtmx]

6.55.3.503 fitlayphi

G4float MultiSimAnalysisDigi::fitlayphi[nvishtmx]

6.55.3.504 fitlaythe

G4float MultiSimAnalysisDigi::fitlaythe[nvishtmx]

6.55.3.505 fitlayx2

G4float MultiSimAnalysisDigi::fitlayx2[nvishtmx]

6.55.3.506 fitlayx3

G4float MultiSimAnalysisDigi::fitlayx3[nvishtmx]

6.55.3.507 fitlayx4

G4float MultiSimAnalysisDigi::fitlayx4[nvishtmx]

6.55.3.508 fitlayzz

G4float MultiSimAnalysisDigi::fitlayzz[nvishtmx]

6.55.3.509 fitposxx

G4float MultiSimAnalysisDigi::fitposxx[nvishtmx]

6.55.3.510 fitposyy

G4float MultiSimAnalysisDigi::fitposyy[nvishtmx]

6.55.3.511 fitposzz

G4float MultiSimAnalysisDigi::fitposzz[nvishtmx]

6.55.3.512 ftime_last

Float_t MultiSimAnalysisDigi::ftime_last

6.55.3.513 gens_list

TH3F* MultiSimAnalysisDigi::gens_list[6][nhistmx]

6.55.3.514 gens_vect

vector<vectGr> MultiSimAnalysisDigi::gens_vect[6]

6.55.3.515 H

Hits* MultiSimAnalysisDigi::H

6.55.3.516 h_hit_time_ext

TH1D* MultiSimAnalysisDigi::h_hit_time_ext[20]

6.55.3.517 had_eigen_val

Float_t MultiSimAnalysisDigi::had_eigen_val[3]

6.55.3.518 hdifftime1

TH1D* MultiSimAnalysisDigi::hdifftime1[20]

6.55.3.519 hdifftime2

```
TH1D* MultiSimAnalysisDigi::hdifftime2[20]
```

6.55.3.520 hit_wo_ghst

```
Int_t MultiSimAnalysisDigi::hit_wo_ghst
```

6.55.3.521 hit_wogh_orighits

```
Int_t MultiSimAnalysisDigi::hit_wogh_orighits
```

6.55.3.522 hitDist

```
TH1F* MultiSimAnalysisDigi::hitDist
```

6.55.3.523 hitXtime

```
TH1F* MultiSimAnalysisDigi::hitXtime
```

6.55.3.524 hitYtime

```
TH1F* MultiSimAnalysisDigi::hitYtime
```

6.55.3.525 Hp

```
HitPos* MultiSimAnalysisDigi::Hp
```

6.55.3.526 hPathlength

```
Float_t MultiSimAnalysisDigi::hPathlength
```

6.55.3.527 hw_trig

`Int_t MultiSimAnalysisDigi::hw_trig`

6.55.3.528 hxpos_ext

`TH1D* MultiSimAnalysisDigi::hxpos_ext[20]`

6.55.3.529 hxpos_ext_kalman

`TH1D* MultiSimAnalysisDigi::hxpos_ext_kalman[20]`

6.55.3.530 hxtime_ext

`TH1D* MultiSimAnalysisDigi::hxtime_ext[20]`

6.55.3.531 hypos_ext

`TH1D* MultiSimAnalysisDigi::hypos_ext[20]`

6.55.3.532 hypos_ext_kalman

`TH1D* MultiSimAnalysisDigi::hypos_ext_kalman[20]`

6.55.3.533 hytime_ext

`TH1D* MultiSimAnalysisDigi::hytime_ext[20]`

6.55.3.534 ievt

`UInt_t MultiSimAnalysisDigi::ievt`

6.55.3.535 ievt2

`UInt_t MultiSimAnalysisDigi::ievt2`

6.55.3.536 ievt3

`UInt_t MultiSimAnalysisDigi::ievt3`

6.55.3.537 ievt_wt

`Float_t MultiSimAnalysisDigi::ievt_wt`

6.55.3.538 ihist

`int MultiSimAnalysisDigi::ihist`

6.55.3.539 inefficiency_corx

`TH2D* MultiSimAnalysisDigi::inefficiency_corx[20]`

6.55.3.540 inefficiency_uncx

`TH2D* MultiSimAnalysisDigi::inefficiency_uncx[20]`

6.55.3.541 inefficiency_uncy

`TH2D* MultiSimAnalysisDigi::inefficiency_uncy[20]`

6.55.3.542 inoclust

`Int_t MultiSimAnalysisDigi::inoclust`

6.55.3.543 inohits

```
Int_t MultiSimAnalysisDigi::inohits
```

6.55.3.544 inohits_old

```
Int_t MultiSimAnalysisDigi::inohits_old
```

6.55.3.545 InoTrack_listsize

```
TH1F* MultiSimAnalysisDigi::InoTrack_listsize
```

6.55.3.546 inputEventTree

```
TTree* MultiSimAnalysisDigi::inputEventTree
```

6.55.3.547 inputRootFile

```
TFile* MultiSimAnalysisDigi::inputRootFile
```

6.55.3.548 intxn_id

```
Int_t MultiSimAnalysisDigi::intxn_id
```

6.55.3.549 irun

```
UInt_t MultiSimAnalysisDigi::irun
```

6.55.3.550 isInOut

```
int MultiSimAnalysisDigi::isInOut
```

6.55.3.551   isVisOut

```
int MultiSimAnalysisDigi::isVisOut
```

6.55.3.552   isXtermOut

```
int MultiSimAnalysisDigi::isXtermOut
```

6.55.3.553   itype

```
Int_t MultiSimAnalysisDigi::itype[ntrkmx]
```

6.55.3.554   L0_StrpNo

```
G4float MultiSimAnalysisDigi::L0_StrpNo[ntrkmx]
```

6.55.3.555   L1_StrpNo

```
G4float MultiSimAnalysisDigi::L1_StrpNo[ntrkmx]
```

6.55.3.556   L2_StrpNo

```
G4float MultiSimAnalysisDigi::L2_StrpNo[ntrkmx]
```

6.55.3.557   L3_StrpNo

```
G4float MultiSimAnalysisDigi::L3_StrpNo[ntrkmx]
```

6.55.3.558   LePulse00

```
G4float MultiSimAnalysisDigi::LePulse00[ntrkmx]
```

6.55.3.559 LePulse01

G4float MultiSimAnalysisDigi::LePulse01[ntrkmx]

6.55.3.560 LePulse02

G4float MultiSimAnalysisDigi::LePulse02[ntrkmx]

6.55.3.561 LePulse03

G4float MultiSimAnalysisDigi::LePulse03[ntrkmx]

6.55.3.562 LePulse10

G4float MultiSimAnalysisDigi::LePulse10[ntrkmx]

6.55.3.563 LePulse11

G4float MultiSimAnalysisDigi::LePulse11[ntrkmx]

6.55.3.564 LePulse12

G4float MultiSimAnalysisDigi::LePulse12[ntrkmx]

6.55.3.565 LePulse20

G4float MultiSimAnalysisDigi::LePulse20[ntrkmx]

6.55.3.566 LePulse21

G4float MultiSimAnalysisDigi::LePulse21[ntrkmx]

6.55.3.567 LePulse22

G4float MultiSimAnalysisDigi::LePulse22[ntrkmx]

6.55.3.568 LePulse30

G4float MultiSimAnalysisDigi::LePulse30[ntrkmx]

6.55.3.569 LePulse31

G4float MultiSimAnalysisDigi::LePulse31[ntrkmx]

6.55.3.570 LePulse32

G4float MultiSimAnalysisDigi::LePulse32[ntrkmx]

6.55.3.571 LePulse40

G4float MultiSimAnalysisDigi::LePulse40[ntrkmx]

6.55.3.572 LePulse41

G4float MultiSimAnalysisDigi::LePulse41[ntrkmx]

6.55.3.573 LePulse42

G4float MultiSimAnalysisDigi::LePulse42[ntrkmx]

6.55.3.574 LePulse50

G4float MultiSimAnalysisDigi::LePulse50[ntrkmx]

6.55.3.575 LePulse51

G4float MultiSimAnalysisDigi::LePulse51[ntrkmx]

6.55.3.576 LePulse52

G4float MultiSimAnalysisDigi::LePulse52[ntrkmx]

6.55.3.577 LePulse60

G4float MultiSimAnalysisDigi::LePulse60[ntrkmx]

6.55.3.578 LePulse61

G4float MultiSimAnalysisDigi::LePulse61[ntrkmx]

6.55.3.579 LePulse62

G4float MultiSimAnalysisDigi::LePulse62[ntrkmx]

6.55.3.580 LeTime00

G4float MultiSimAnalysisDigi::LeTime00[ntrkmx]

6.55.3.581 LeTime01

G4float MultiSimAnalysisDigi::LeTime01[ntrkmx]

6.55.3.582 LeTime02

G4float MultiSimAnalysisDigi::LeTime02[ntrkmx]

6.55.3.583 LeTime03

`G4float MultiSimAnalysisDigi::LeTime03`[`ntrkmx`]

6.55.3.584 LeTime10

`G4float MultiSimAnalysisDigi::LeTime10`[`ntrkmx`]

6.55.3.585 LeTime11

`G4float MultiSimAnalysisDigi::LeTime11`[`ntrkmx`]

6.55.3.586 LeTime12

`G4float MultiSimAnalysisDigi::LeTime12`[`ntrkmx`]

6.55.3.587 LeTime20

`G4float MultiSimAnalysisDigi::LeTime20`[`ntrkmx`]

6.55.3.588 LeTime21

`G4float MultiSimAnalysisDigi::LeTime21`[`ntrkmx`]

6.55.3.589 LeTime22

`G4float MultiSimAnalysisDigi::LeTime22`[`ntrkmx`]

6.55.3.590 LeTime30

`G4float MultiSimAnalysisDigi::LeTime30`[`ntrkmx`]

6.55.3.591 LeTime31

G4float MultiSimAnalysisDigi::LeTime31[ntrkmx]

6.55.3.592 LeTime32

G4float MultiSimAnalysisDigi::LeTime32[ntrkmx]

6.55.3.593 LeTime40

G4float MultiSimAnalysisDigi::LeTime40[ntrkmx]

6.55.3.594 LeTime41

G4float MultiSimAnalysisDigi::LeTime41[ntrkmx]

6.55.3.595 LeTime42

G4float MultiSimAnalysisDigi::LeTime42[ntrkmx]

6.55.3.596 LeTime50

G4float MultiSimAnalysisDigi::LeTime50[ntrkmx]

6.55.3.597 LeTime51

G4float MultiSimAnalysisDigi::LeTime51[ntrkmx]

6.55.3.598 LeTime52

G4float MultiSimAnalysisDigi::LeTime52[ntrkmx]

6.55.3.599   LeTime60

```
G4float MultiSimAnalysisDigi::LeTime60[ntrkmx]
```

6.55.3.600   LeTime61

```
G4float MultiSimAnalysisDigi::LeTime61[ntrkmx]
```

6.55.3.601   LeTime62

```
G4float MultiSimAnalysisDigi::LeTime62[ntrkmx]
```

6.55.3.602   mcxgnvx

```
Float_t MultiSimAnalysisDigi::mcxgnvx[ntrkmx]
```

6.55.3.603   mcygnvx

```
Float_t MultiSimAnalysisDigi::mcygnvx[ntrkmx]
```

6.55.3.604   momdiff1

```
G4float MultiSimAnalysisDigi::momdiff1
```

6.55.3.605   momds

```
Float_t MultiSimAnalysisDigi::momds[ntrkmx]
```

6.55.3.606   momend

```
Float_t MultiSimAnalysisDigi::momend[ntrkmx]
```

6.55.3.607 momgnend

Float_t MultiSimAnalysisDigi::momgnend[ntrkmx]

6.55.3.608 momgnvx

Float_t MultiSimAnalysisDigi::momgnvx[ntrkmx]

6.55.3.609 momin

Float_t MultiSimAnalysisDigi::momin[ngenmx]

6.55.3.610 momrf

G4float MultiSimAnalysisDigi::momrf[ntrkmx]

6.55.3.611 momrg

Float_t MultiSimAnalysisDigi::momrg[ntrkmx]

6.55.3.612 momvx

Float_t MultiSimAnalysisDigi::momvx[ntrkmx]

6.55.3.613 naperture

UInt_t MultiSimAnalysisDigi::naperture

6.55.3.614 ndigiht

UInt_t MultiSimAnalysisDigi::ndigiht

6.55.3.615 ndigihtmx

```
const unsigned int MultiSimAnalysisDigi::ndigihtmx =5000 [static]
```

6.55.3.616 ngenerated

```
UInt_t MultiSimAnalysisDigi::ngenerated
```

6.55.3.617 ngenmx

```
const unsigned int MultiSimAnalysisDigi::ngenmx =50 [static]
```

6.55.3.618 ngent

```
UInt_t MultiSimAnalysisDigi::ngent
```

6.55.3.619 nhistmx

```
const int MultiSimAnalysisDigi::nhistmx =1000 [static]
```

6.55.3.620 nhits

```
Int_t MultiSimAnalysisDigi::nhits[ntrkmx]
```

6.55.3.621 nhits_below

```
Int_t MultiSimAnalysisDigi::nhits_below
```

6.55.3.622 nhits_finder

```
Int_t MultiSimAnalysisDigi::nhits_finder[ntrkmx]
```

6.55.3.623 nhits_largest_cluster

```
Int_t MultiSimAnalysisDigi::nhits_largest_cluster
```

6.55.3.624 nhits_largest_cluster_selected

```
Int_t MultiSimAnalysisDigi::nhits_largest_cluster_selected
```

6.55.3.625 nhits_last

```
Int_t MultiSimAnalysisDigi::nhits_last
```

6.55.3.626 nhits_last_m1

```
Int_t MultiSimAnalysisDigi::nhits_last_m1
```

6.55.3.627 nLayer

```
Int_t MultiSimAnalysisDigi::nLayer
```

6.55.3.628 nloops

```
int MultiSimAnalysisDigi::nloops
```

6.55.3.629 nmxhit

```
Int_t MultiSimAnalysisDigi::nmxhit
```

6.55.3.630 noise_hist

```
TH1F* MultiSimAnalysisDigi::noise_hist[10][4]
```

6.55.3.631 NoisyStripX

```
TH1F* MultiSimAnalysisDigi::NoisyStripX
```

6.55.3.632 NoisyStripY

```
TH1F* MultiSimAnalysisDigi::NoisyStripY
```

6.55.3.633 nsimht

```
UInt_t MultiSimAnalysisDigi::nsimht
```

6.55.3.634 nsimhtmx

```
const unsigned int MultiSimAnalysisDigi::nsimhtmx =4000  [static]
```

6.55.3.635 ntdc1x

```
Int_t MultiSimAnalysisDigi::ntdc1x
```

6.55.3.636 ntdc1y

```
Int_t MultiSimAnalysisDigi::ntdc1y
```

6.55.3.637 ntdc2x

```
Int_t MultiSimAnalysisDigi::ntdc2x
```

6.55.3.638 ntdc2y

```
Int_t MultiSimAnalysisDigi::ntdc2y
```

6.55.3.639 nthtmx

```
const unsigned int MultiSimAnalysisDigi::nthtmx =100  [static]
```

6.55.3.640 ntotcl

```
Int_t MultiSimAnalysisDigi::ntotcl
```

6.55.3.641 ntotst

```
Int_t MultiSimAnalysisDigi::ntotst
```

6.55.3.642 ntrecord1x

```
Int_t MultiSimAnalysisDigi::ntrecord1x
```

6.55.3.643 ntrecord1y

```
Int_t MultiSimAnalysisDigi::ntrecord1y
```

6.55.3.644 ntrecord2x

```
Int_t MultiSimAnalysisDigi::ntrecord2x
```

6.55.3.645 ntrecord2y

```
Int_t MultiSimAnalysisDigi::ntrecord2y
```

6.55.3.646 ntrkcl

```
Int_t MultiSimAnalysisDigi::ntrkcl[ntrkmx]
```

6.55.3.647   ntrkmx

```
const unsigned int MultiSimAnalysisDigi::ntrkmx =20  [static]
```

6.55.3.648   ntrkst

```
Int_t MultiSimAnalysisDigi::ntrkst[ntrkmx]
```

6.55.3.649   ntrkt

```
UInt_t MultiSimAnalysisDigi::ntrkt
```

6.55.3.650   ntstrp1x

```
Int_t MultiSimAnalysisDigi::ntstrp1x
```

6.55.3.651   ntstrp1y

```
Int_t MultiSimAnalysisDigi::ntstrp1y
```

6.55.3.652   ntstrp2x

```
Int_t MultiSimAnalysisDigi::ntstrp2x
```

6.55.3.653   ntstrp2y

```
Int_t MultiSimAnalysisDigi::ntstrp2y
```

6.55.3.654   nvisclst

```
unsigned int MultiSimAnalysisDigi::nvisclst
```

6.55.3.655 nvisht

```
unsigned int MultiSimAnalysisDigi::nvisht
```

6.55.3.656 nvishtmx

```
const unsigned int MultiSimAnalysisDigi::nvishtmx =5000  [static]
```

6.55.3.657 origclust

```
Int_t MultiSimAnalysisDigi::origclust
```

6.55.3.658 orighits

```
Int_t MultiSimAnalysisDigi::orighits
```

6.55.3.659 orighits_cluster

```
Int_t MultiSimAnalysisDigi::orighits_cluster
```

6.55.3.660 orighits_old

```
Int_t MultiSimAnalysisDigi::orighits_old
```

6.55.3.661 orighits_trape

```
Int_t MultiSimAnalysisDigi::orighits_trape
```

6.55.3.662 pdedz

```
TH1F* MultiSimAnalysisDigi::pdedz[20]
```

6.55.3.663 pEventTree

`TTree* MultiSimAnalysisDigi::pEventTree`

6.55.3.664 pherr

`Float_t MultiSimAnalysisDigi::pherr[`[ntrkmx](#)`]`

6.55.3.665 phi_hadron_in

`Float_t MultiSimAnalysisDigi::phi_hadron_in`

6.55.3.666 phi_hadron_shw

`Float_t MultiSimAnalysisDigi::phi_hadron_shw`

6.55.3.667 phiend

`Float_t MultiSimAnalysisDigi::phiend[`[ntrkmx](#)`]`

6.55.3.668 phignend

`Float_t MultiSimAnalysisDigi::phignend[`[ntrkmx](#)`]`

6.55.3.669 phignvx

`Float_t MultiSimAnalysisDigi::phignvx[`[ntrkmx](#)`]`

6.55.3.670 phiin

`Float_t MultiSimAnalysisDigi::phiin[`[ngenmx](#)`]`

6.55.3.671 phirf

G4float MultiSimAnalysisDigi::phirf[ntrkmx]

6.55.3.672 phivx

Float_t MultiSimAnalysisDigi::phivx[ntrkmx]

6.55.3.673 pidin

Int_t MultiSimAnalysisDigi::pidin[ngenmx]

6.55.3.674 posxend

Float_t MultiSimAnalysisDigi::posxend[ntrkmx]

6.55.3.675 posxin

Float_t MultiSimAnalysisDigi::posxin[ngenmx]

6.55.3.676 posxrf

G4float MultiSimAnalysisDigi::posxrf[ntrkmx]

6.55.3.677 posxvx

Float_t MultiSimAnalysisDigi::posxvx[ntrkmx]

6.55.3.678 posyend

Float_t MultiSimAnalysisDigi::posyend[ntrkmx]

6.55.3.679 posyin

```
Float_t MultiSimAnalysisDigi::posyin[ngenmx]
```

6.55.3.680 posyrf

```
G4float MultiSimAnalysisDigi::posyrf[ntrkmx]
```

6.55.3.681 posyvx

```
Float_t MultiSimAnalysisDigi::posyvx[ntrkmx]
```

6.55.3.682 poszend

```
Float_t MultiSimAnalysisDigi::poszend[ntrkmx]
```

6.55.3.683 poszin

```
Float_t MultiSimAnalysisDigi::poszin[ngenmx]
```

6.55.3.684 poszrf

```
G4float MultiSimAnalysisDigi::poszrf[ntrkmx]
```

6.55.3.685 poszvx

```
Float_t MultiSimAnalysisDigi::poszvx[ntrkmx]
```

6.55.3.686 pPosX

```
TH1F* MultiSimAnalysisDigi::pPosX
```

6.55.3.687 pPosXX

```
TH2F* MultiSimAnalysisDigi::pPosXX
```

6.55.3.688 pPosY

```
TH1F* MultiSimAnalysisDigi::pPosY
```

6.55.3.689 pPosYY

```
TH2F* MultiSimAnalysisDigi::pPosYY
```

6.55.3.690 pPosZ

```
TH1F* MultiSimAnalysisDigi::pPosZ
```

6.55.3.691 pPosZZ

```
TH2F* MultiSimAnalysisDigi::pPosZZ
```

6.55.3.692 pRootFile

```
TFile* MultiSimAnalysisDigi::pRootFile
```

6.55.3.693 pVisFile

```
TFile* MultiSimAnalysisDigi::pVisFile
```

6.55.3.694 qpenderr

```
Float_t MultiSimAnalysisDigi::qpenderr[ntrkmx]
```

6.55.3.695 qperr

Float_t MultiSimAnalysisDigi::qperr[ntrkmx]

6.55.3.696 radialdiff1

G4float MultiSimAnalysisDigi::radialdiff1

6.55.3.697 range

Float_t MultiSimAnalysisDigi::range

6.55.3.698 RC

TH2F* MultiSimAnalysisDigi::RC

6.55.3.699 RiPulse00

G4float MultiSimAnalysisDigi::RiPulse00[ntrkmx]

6.55.3.700 RiPulse01

G4float MultiSimAnalysisDigi::RiPulse01[ntrkmx]

6.55.3.701 RiPulse02

G4float MultiSimAnalysisDigi::RiPulse02[ntrkmx]

6.55.3.702 RiPulse03

G4float MultiSimAnalysisDigi::RiPulse03[ntrkmx]

6.55.3.703 RiPulse10

G4float MultiSimAnalysisDigi::RiPulse10[ntrkmx]

6.55.3.704 RiPulse11

G4float MultiSimAnalysisDigi::RiPulse11[ntrkmx]

6.55.3.705 RiPulse12

G4float MultiSimAnalysisDigi::RiPulse12[ntrkmx]

6.55.3.706 RiPulse20

G4float MultiSimAnalysisDigi::RiPulse20[ntrkmx]

6.55.3.707 RiPulse21

G4float MultiSimAnalysisDigi::RiPulse21[ntrkmx]

6.55.3.708 RiPulse22

G4float MultiSimAnalysisDigi::RiPulse22[ntrkmx]

6.55.3.709 RiPulse30

G4float MultiSimAnalysisDigi::RiPulse30[ntrkmx]

6.55.3.710 RiPulse31

G4float MultiSimAnalysisDigi::RiPulse31[ntrkmx]

6.55.3.711 RiPulse32

G4float MultiSimAnalysisDigi::RiPulse32[ntrkmx]

6.55.3.712 RiPulse40

G4float MultiSimAnalysisDigi::RiPulse40[ntrkmx]

6.55.3.713 RiPulse41

G4float MultiSimAnalysisDigi::RiPulse41[ntrkmx]

6.55.3.714 RiPulse42

G4float MultiSimAnalysisDigi::RiPulse42[ntrkmx]

6.55.3.715 RiPulse50

G4float MultiSimAnalysisDigi::RiPulse50[ntrkmx]

6.55.3.716 RiPulse51

G4float MultiSimAnalysisDigi::RiPulse51[ntrkmx]

6.55.3.717 RiPulse52

G4float MultiSimAnalysisDigi::RiPulse52[ntrkmx]

6.55.3.718 RiPulse60

G4float MultiSimAnalysisDigi::RiPulse60[ntrkmx]

6.55.3.719 RiPulse61

G4float MultiSimAnalysisDigi::RiPulse61[ntrkmx]

6.55.3.720 RiPulse62

G4float MultiSimAnalysisDigi::RiPulse62[ntrkmx]

6.55.3.721 RiTime00

G4float MultiSimAnalysisDigi::RiTime00[ntrkmx]

6.55.3.722 RiTime01

G4float MultiSimAnalysisDigi::RiTime01[ntrkmx]

6.55.3.723 RiTime02

G4float MultiSimAnalysisDigi::RiTime02[ntrkmx]

6.55.3.724 RiTime03

G4float MultiSimAnalysisDigi::RiTime03[ntrkmx]

6.55.3.725 RiTime10

G4float MultiSimAnalysisDigi::RiTime10[ntrkmx]

6.55.3.726 RiTime11

G4float MultiSimAnalysisDigi::RiTime11[ntrkmx]

6.55.3.727 RiTime12

G4float MultiSimAnalysisDigi::RiTime12[ntrkmx]

6.55.3.728 RiTime20

G4float MultiSimAnalysisDigi::RiTime20[ntrkmx]

6.55.3.729 RiTime21

G4float MultiSimAnalysisDigi::RiTime21[ntrkmx]

6.55.3.730 RiTime22

G4float MultiSimAnalysisDigi::RiTime22[ntrkmx]

6.55.3.731 RiTime30

G4float MultiSimAnalysisDigi::RiTime30[ntrkmx]

6.55.3.732 RiTime31

G4float MultiSimAnalysisDigi::RiTime31[ntrkmx]

6.55.3.733 RiTime32

G4float MultiSimAnalysisDigi::RiTime32[ntrkmx]

6.55.3.734 RiTime40

G4float MultiSimAnalysisDigi::RiTime40[ntrkmx]

6.55.3.735 RiTime41

G4float MultiSimAnalysisDigi::RiTime41[ntrkmx]

6.55.3.736 RiTime42

G4float MultiSimAnalysisDigi::RiTime42[ntrkmx]

6.55.3.737 RiTime50

G4float MultiSimAnalysisDigi::RiTime50[ntrkmx]

6.55.3.738 RiTime51

G4float MultiSimAnalysisDigi::RiTime51[ntrkmx]

6.55.3.739 RiTime52

G4float MultiSimAnalysisDigi::RiTime52[ntrkmx]

6.55.3.740 RiTime60

G4float MultiSimAnalysisDigi::RiTime60[ntrkmx]

6.55.3.741 RiTime61

G4float MultiSimAnalysisDigi::RiTime61[ntrkmx]

6.55.3.742 RiTime62

G4float MultiSimAnalysisDigi::RiTime62[ntrkmx]

6.55.3.743 rmag2dX

`TH2D* MultiSimAnalysisDigi::rmag2dX`

6.55.3.744 rmag2dXYpixel_air

`TH2D* MultiSimAnalysisDigi::rmag2dXYpixel_air`

6.55.3.745 rmag2dXYpixel_iron

`TH2D* MultiSimAnalysisDigi::rmag2dXYpixel_iron`

6.55.3.746 rmag2dY

`TH2D* MultiSimAnalysisDigi::rmag2dY`

6.55.3.747 rmagFieldX

`TH1D* MultiSimAnalysisDigi::rmagFieldX`

6.55.3.748 rmagFieldY

`TH1D* MultiSimAnalysisDigi::rmagFieldY`

6.55.3.749 ShwXw

`TH1F* MultiSimAnalysisDigi::ShwXw`

6.55.3.750 ShwYw

`TH1F* MultiSimAnalysisDigi::ShwYw`

6.55.3.751 simenr

Float_t MultiSimAnalysisDigi::simenr[nsimhtmx]

6.55.3.752 simlocvx

Float_t MultiSimAnalysisDigi::simlocvx[nsimhtmx]

6.55.3.753 simlocvy

Float_t MultiSimAnalysisDigi::simlocvy[nsimhtmx]

6.55.3.754 simpdgid

Int_t MultiSimAnalysisDigi::simpdgid[nsimhtmx]

6.55.3.755 simpleavgxcndn

Float_t MultiSimAnalysisDigi::simpleavgxcndn

6.55.3.756 simpleavgxmeas

Float_t MultiSimAnalysisDigi::simpleavgxmeas

6.55.3.757 simpleavgxneg

Float_t MultiSimAnalysisDigi::simpleavgxneg

6.55.3.758 simpleavgxpos

Float_t MultiSimAnalysisDigi::simpleavgxpos

6.55.3.759 simplechisqcndn

```
Float_t MultiSimAnalysisDigi::simplechisqcndn
```

6.55.3.760 simplechisqneg

```
Float_t MultiSimAnalysisDigi::simplechisqneg
```

6.55.3.761 simplechisqpos

```
Float_t MultiSimAnalysisDigi::simplechisqpos
```

6.55.3.762 simplecurv

```
Float_t MultiSimAnalysisDigi::simplecurv
```

6.55.3.763 simplenhits

```
Float_t MultiSimAnalysisDigi::simplenhits
```

6.55.3.764 simpleradii

```
Float_t MultiSimAnalysisDigi::simpleradii
```

6.55.3.765 simplex0

```
Float_t MultiSimAnalysisDigi::simplex0
```

6.55.3.766 simplez0

```
Float_t MultiSimAnalysisDigi::simplez0
```

6.55.3.767 simpx

`Float_t MultiSimAnalysisDigi::simpx[nsimhtmx]`

6.55.3.768 simpy

`Float_t MultiSimAnalysisDigi::simpy[nsimhtmx]`

6.55.3.769 simpz

`Float_t MultiSimAnalysisDigi::simpz[nsimhtmx]`

6.55.3.770 simtime

`Float_t MultiSimAnalysisDigi::simtime[nsimhtmx]`

6.55.3.771 simvx

`Float_t MultiSimAnalysisDigi::simvx[nsimhtmx]`

6.55.3.772 simvy

`Float_t MultiSimAnalysisDigi::simvy[nsimhtmx]`

6.55.3.773 simvz

`Float_t MultiSimAnalysisDigi::simvz[nsimhtmx]`

6.55.3.774 sipmnoise

`TFile* MultiSimAnalysisDigi::sipmnoise`

6.55.3.775 smag2dX

`TH2D* MultiSimAnalysisDigi::smag2dX`

6.55.3.776 smag2dXYpixel_air

`TH2D* MultiSimAnalysisDigi::smag2dXYpixel_air`

6.55.3.777 smag2dXYpixel_iron

`TH2D* MultiSimAnalysisDigi::smag2dXYpixel_iron`

6.55.3.778 smag2dY

`TH2D* MultiSimAnalysisDigi::smag2dY`

6.55.3.779 smagFieldX

`TH1D* MultiSimAnalysisDigi::smagFieldX`

6.55.3.780 smagFieldY

`TH1D* MultiSimAnalysisDigi::smagFieldY`

6.55.3.781 stripid

`UInt_t MultiSimAnalysisDigi::stripid[ndigihtmx]`

6.55.3.782 striprec1x

`Int_t MultiSimAnalysisDigi::striprec1x[nthtmx]`

6.55.3.783 striprec1y

Int_t MultiSimAnalysisDigi::striprec1y[nthtmx]

6.55.3.784 striprec2x

Int_t MultiSimAnalysisDigi::striprec2x[nthtmx]

6.55.3.785 striprec2y

Int_t MultiSimAnalysisDigi::striprec2y[nthtmx]

6.55.3.786 strp_xmulsim_cor

TH2D* MultiSimAnalysisDigi::strp_xmulsim_cor[20]

6.55.3.787 strp_ymulsim_cor

TH2D* MultiSimAnalysisDigi::strp_ymulsim_cor[20]

6.55.3.788 StrpID1x

Int_t MultiSimAnalysisDigi::StrpID1x[nthtmx]

6.55.3.789 StrpID1y

Int_t MultiSimAnalysisDigi::StrpID1y[nthtmx]

6.55.3.790 StrpID2x

Int_t MultiSimAnalysisDigi::StrpID2x[nthtmx]

6.55.3.791 StrpID2y

```
Int_t MultiSimAnalysisDigi::StrpID2y[nthtmx]
```

6.55.3.792 strpxend

```
Int_t MultiSimAnalysisDigi::strpxend[ntrkmx]
```

6.55.3.793 strpXtime

```
TH1F* MultiSimAnalysisDigi::strpXtime
```

6.55.3.794 strpXtimeCorr

```
TH1F* MultiSimAnalysisDigi::strpXtimeCorr
```

6.55.3.795 strpyend

```
Int_t MultiSimAnalysisDigi::strpyend[ntrkmx]
```

6.55.3.796 strpYtime

```
TH1F* MultiSimAnalysisDigi::strpYtime
```

6.55.3.797 strpYtimeCorr

```
TH1F* MultiSimAnalysisDigi::strpYtimeCorr
```

6.55.3.798 strtchisqx

```
Float_t MultiSimAnalysisDigi::strtchisqx
```

6.55.3.799 strtchisqy

Float_t MultiSimAnalysisDigi::strtchisqy

6.55.3.800 strtintercptx

Float_t MultiSimAnalysisDigi::strtintercptx

6.55.3.801 strtintercpty

Float_t MultiSimAnalysisDigi::strtintercpty

6.55.3.802 strtnhitsx

Int_t MultiSimAnalysisDigi::strtnhitsx

6.55.3.803 strtnhitsy

Int_t MultiSimAnalysisDigi::strtnhitsy

6.55.3.804 strtslopex

Float_t MultiSimAnalysisDigi::strtslopex

6.55.3.805 strtslopey

Float_t MultiSimAnalysisDigi::strtslopey

6.55.3.806 sw_trigx

Int_t MultiSimAnalysisDigi::sw_trigx

6.55.3.807 sw_trigy

Int_t MultiSimAnalysisDigi::sw_trigy

6.55.3.808 tdcID1x

Int_t MultiSimAnalysisDigi::tdcID1x[nthtmx]

6.55.3.809 tdcID1y

Int_t MultiSimAnalysisDigi::tdcID1y[nthtmx]

6.55.3.810 tdcID2x

Int_t MultiSimAnalysisDigi::tdcID2x[nthtmx]

6.55.3.811 tdcID2y

Int_t MultiSimAnalysisDigi::tdcID2y[nthtmx]

6.55.3.812 tdcrec1x

Float_t MultiSimAnalysisDigi::tdcrec1x[nthtmx]

6.55.3.813 tdcrec1y

Float_t MultiSimAnalysisDigi::tdcrec1y[nthtmx]

6.55.3.814 tdcrec2x

Float_t MultiSimAnalysisDigi::tdcrec2x[nthtmx]

6.55.3.815 tdcrec2y

Float_t MultiSimAnalysisDigi::tdcrec2y[nthtmx]

6.55.3.816 TDCval1x

Float_t MultiSimAnalysisDigi::TDCval1x[nthtmx]

6.55.3.817 TDCval1y

Float_t MultiSimAnalysisDigi::TDCval1y[nthtmx]

6.55.3.818 TDCval2x

Float_t MultiSimAnalysisDigi::TDCval2x[nthtmx]

6.55.3.819 TDCval2y

Float_t MultiSimAnalysisDigi::TDCval2y[nthtmx]

6.55.3.820 theend

Float_t MultiSimAnalysisDigi::theend[ntrkmx]

6.55.3.821 thegnend

Float_t MultiSimAnalysisDigi::thegnend[ntrkmx]

6.55.3.822 thegnvx

Float_t MultiSimAnalysisDigi::thegnvx[ntrkmx]

6.55.3.823 thein

```
Float_t MultiSimAnalysisDigi::thein[ngenmx]
```

6.55.3.824 therf

```
G4float MultiSimAnalysisDigi::therf[ntrkmx]
```

6.55.3.825 therr

```
Float_t MultiSimAnalysisDigi::therr[ntrkmx]
```

6.55.3.826 theta_hadron_in

```
Float_t MultiSimAnalysisDigi::theta_hadron_in
```

6.55.3.827 theta_hadron_shw

```
Float_t MultiSimAnalysisDigi::theta_hadron_shw
```

6.55.3.828 thevx

```
Float_t MultiSimAnalysisDigi::thevx[ntrkmx]
```

6.55.3.829 Trig00

```
G4int MultiSimAnalysisDigi::Trig00[ntrkmx]
```

6.55.3.830 Trig01

```
G4int MultiSimAnalysisDigi::Trig01[ntrkmx]
```

6.55.3.831 Trig02

G4int MultiSimAnalysisDigi::Trig02[ntrkmx]

6.55.3.832 Trig03

G4int MultiSimAnalysisDigi::Trig03[ntrkmx]

6.55.3.833 triggeracceptance

UInt_t MultiSimAnalysisDigi::triggeracceptance

6.55.3.834 triggereffi_xevt

TH2D* MultiSimAnalysisDigi::triggereffi_xevt[20]

6.55.3.835 triggereffi_yevt

TH2D* MultiSimAnalysisDigi::triggereffi_yevt[20]

6.55.3.836 trigx

Int_t MultiSimAnalysisDigi::trigx

6.55.3.837 trigy

Int_t MultiSimAnalysisDigi::trigy

6.55.3.838 trk_edge

TH2D* MultiSimAnalysisDigi::trk_edge

6.55.3.839 trk_gap

`TH1D* MultiSimAnalysisDigi::trk_gap`

6.55.3.840 TrkDist

`TH1F* MultiSimAnalysisDigi::TrkDist`

6.55.3.841 trkmm

`Float_t MultiSimAnalysisDigi::trkmm[ntrkmx]`

6.55.3.842 trkph

`Float_t MultiSimAnalysisDigi::trkph[ntrkmx]`

6.55.3.843 trkth

`Float_t MultiSimAnalysisDigi::trkth[ntrkmx]`

6.55.3.844 tshift_xtdc_minus_ref

`TH1D* MultiSimAnalysisDigi::tshift_xtdc_minus_ref[20][8]`

6.55.3.845 tshift_ytdc_minus_ref

`TH1D* MultiSimAnalysisDigi::tshift_ytdc_minus_ref[20][8]`

6.55.3.846 tx

`Float_t MultiSimAnalysisDigi::tx[ntrkmx]`

6.55.3.847 tx_end

Float_t MultiSimAnalysisDigi::tx_end[ntrkmx]

6.55.3.848 txenderr

Float_t MultiSimAnalysisDigi::txenderr[ntrkmx]

6.55.3.849 txerr

Float_t MultiSimAnalysisDigi::txerr[ntrkmx]

6.55.3.850 txin

Float_t MultiSimAnalysisDigi::txin[ntrkmx]

6.55.3.851 txtyerr

G4float MultiSimAnalysisDigi::txtyerr[ntrkmx]

6.55.3.852 ty

Float_t MultiSimAnalysisDigi::ty[ntrkmx]

6.55.3.853 ty_end

Float_t MultiSimAnalysisDigi::ty_end[ntrkmx]

6.55.3.854 tyenderr

Float_t MultiSimAnalysisDigi::tyenderr[ntrkmx]

6.55.3.855 tyerr

Float_t MultiSimAnalysisDigi::tyerr[ntrkmx]

6.55.3.856 tyin

Float_t MultiSimAnalysisDigi::tyin[ntrkmx]

6.55.3.857 visTree

TTree* MultiSimAnalysisDigi::visTree

6.55.3.858 vtxzplane

Int_t MultiSimAnalysisDigi::vtxzplane[ntrkmx]

6.55.3.859 x_hits

Int_t MultiSimAnalysisDigi::x_hits

6.55.3.860 x_hits_old

Int_t MultiSimAnalysisDigi::x_hits_old

6.55.3.861 XdevLay1

G4float MultiSimAnalysisDigi::XdevLay1[ntrkmx]

6.55.3.862 XdevLay10

G4float MultiSimAnalysisDigi::XdevLay10[ntrkmx]

6.55.3.863 XdevLay11

G4float MultiSimAnalysisDigi::XdevLay11[ntrkmx]

6.55.3.864 XdevLay12

G4float MultiSimAnalysisDigi::XdevLay12[ntrkmx]

6.55.3.865 XdevLay2

G4float MultiSimAnalysisDigi::XdevLay2[ntrkmx]

6.55.3.866 XdevLay3

G4float MultiSimAnalysisDigi::XdevLay3[ntrkmx]

6.55.3.867 XdevLay4

G4float MultiSimAnalysisDigi::XdevLay4[ntrkmx]

6.55.3.868 XdevLay5

G4float MultiSimAnalysisDigi::XdevLay5[ntrkmx]

6.55.3.869 XdevLay6

G4float MultiSimAnalysisDigi::XdevLay6[ntrkmx]

6.55.3.870 XdevLay7

G4float MultiSimAnalysisDigi::XdevLay7[ntrkmx]

6.55.3.871 XdevLay8

G4float MultiSimAnalysisDigi::XdevLay8[ntrkmx]

6.55.3.872 XdevLay9

G4float MultiSimAnalysisDigi::XdevLay9[ntrkmx]

6.55.3.873 xtdc_minus_ref

TH1D* MultiSimAnalysisDigi::xtdc_minus_ref[20][8]

6.55.3.874 xxenderr

Float_t MultiSimAnalysisDigi::xxenderr[ntrkmx]

6.55.3.875 xxerr

Float_t MultiSimAnalysisDigi::xxerr[ntrkmx]

6.55.3.876 xxin

Float_t MultiSimAnalysisDigi::xxin[ntrkmx]

6.55.3.877 xxtxerr

G4float MultiSimAnalysisDigi::xxtxerr[ntrkmx]

6.55.3.878 xxtyerr

G4float MultiSimAnalysisDigi::xxtyerr[ntrkmx]

6.55.3.879 xyvsbxdiff

```
TH2D* MultiSimAnalysisDigi::xyvsbxdiff
```

6.55.3.880 xyvsbxin

```
TH2D* MultiSimAnalysisDigi::xyvsbxin
```

6.55.3.881 xyvsbxindiff

```
TH2D* MultiSimAnalysisDigi::xyvsbxindiff
```

6.55.3.882 xyvsbxout

```
TH2D* MultiSimAnalysisDigi::xyvsbxout
```

6.55.3.883 xyvsbydiff

```
TH2D* MultiSimAnalysisDigi::xyvsbydiff
```

6.55.3.884 xyvsbyin

```
TH2D* MultiSimAnalysisDigi::xyvsbyin
```

6.55.3.885 xyvsbyindiff

```
TH2D* MultiSimAnalysisDigi::xyvsbyindiff
```

6.55.3.886 xyvsbyout

```
TH2D* MultiSimAnalysisDigi::xyvsbyout
```

6.55.3.887 y_hits

`Int_t MultiSimAnalysisDigi::y_hits`

6.55.3.888 y_hits_old

`Int_t MultiSimAnalysisDigi::y_hits_old`

6.55.3.889 YdevLay1

`G4float MultiSimAnalysisDigi::YdevLay1[ntrkmx]`

6.55.3.890 YdevLay10

`G4float MultiSimAnalysisDigi::YdevLay10[ntrkmx]`

6.55.3.891 YdevLay11

`G4float MultiSimAnalysisDigi::YdevLay11[ntrkmx]`

6.55.3.892 YdevLay12

`G4float MultiSimAnalysisDigi::YdevLay12[ntrkmx]`

6.55.3.893 YdevLay2

`G4float MultiSimAnalysisDigi::YdevLay2[ntrkmx]`

6.55.3.894 YdevLay3

`G4float MultiSimAnalysisDigi::YdevLay3[ntrkmx]`

6.55.3.895 YdevLay4

G4float MultiSimAnalysisDigi::YdevLay4[ntrkmx]

6.55.3.896 YdevLay5

G4float MultiSimAnalysisDigi::YdevLay5[ntrkmx]

6.55.3.897 YdevLay6

G4float MultiSimAnalysisDigi::YdevLay6[ntrkmx]

6.55.3.898 YdevLay7

G4float MultiSimAnalysisDigi::YdevLay7[ntrkmx]

6.55.3.899 YdevLay8

G4float MultiSimAnalysisDigi::YdevLay8[ntrkmx]

6.55.3.900 YdevLay9

G4float MultiSimAnalysisDigi::YdevLay9[ntrkmx]

6.55.3.901 ytdc_minus_ref

TH1D* MultiSimAnalysisDigi::ytdc_minus_ref[20][8]

6.55.3.902 yyenderr

Float_t MultiSimAnalysisDigi::yyenderr[ntrkmx]

6.55.3.903 yyerr

Float_t MultiSimAnalysisDigi::yyerr[ntrkmx]

6.55.3.904 yyin

Float_t MultiSimAnalysisDigi::yyin[ntrkmx]

6.55.3.905 yytxerr

G4float MultiSimAnalysisDigi::yytxerr[ntrkmx]

6.55.3.906 yytyerr

G4float MultiSimAnalysisDigi::yytyerr[ntrkmx]

The documentation for this class was generated from the following files:

- inc/MultiSimAnalysisDigi.hh
- src/MultiSimAnalysisDigi.cc

6.56 ParameterMessenger Class Reference

#include <ParameterMessenger.hh>

Collaboration diagram for ParameterMessenger:

Public Member Functions

- ParameterMessenger ()
- ParameterMessenger (char ∗inf)
- virtual ∼ParameterMessenger ()
- void PrintParameters ()
- G4String GetParameterLocation ()
- G4String GetGeometryLocation ()
- G4String GetStripInfoLocation ()
- double GetnFeThickness ()
- double GetnAirGap ()
- int GetnLayer ()
- double GetXYstrwd ()
- G4String GetFileVersion ()
- int GetDetectorType ()
- int GetInputOutput ()
- int GetVisualOutput ()
- int GetXTermOutput ()
- double GetCorrTimeSmr ()
- double GetUnCorrTimeSmr ()
- double GetSignalSpeed ()
- double GetTimeToDigiConv ()
- int GetCollatedIn ()
- int GetMag ()
- int GetCMVD ()
- int GetTrackFit ()
- int GetgdmlOption ()
- void SetParameterLocation (G4String value)
- void SetGeometryLocation (G4String value)
- void SetStripInfoLocation (G4String value)
- void SetnFeThickness (double value)
- void SetnAirGap (double value)
- void SetnLayer (int value)
- void SetXYstrwd (double value)
- void SetFileVersion (G4String value)
- void SetDetectorType (int value)
- void SetVisualOutput (int value)
- void SetInputOutput (int value)
- void SetXTermOutput (int value)
- void SetCorrTimeSmr (double value)
- void SetUnCorrTimeSmr (double value)
- void SetSignalSpeed (double value)
- void SetTimeToDigiConv (double value)
- void SetCollatedIn (int value)
- void SetCMVD (int val)
- void SetMag (int val)
- void SetTrackFit (int val)
- void SetgdmlOption (int val)

Static Public Attributes

- static ParameterMessenger ∗ AnPointer

6.56.1 Constructor & Destructor Documentation

6.56.1.1 ParameterMessenger() [1/2]

```
ParameterMessenger::ParameterMessenger ( )
```

6.56.1.2 ParameterMessenger() [2/2]

```
ParameterMessenger::ParameterMessenger (
            char * inf )
```

6.56.1.3 ∼ParameterMessenger()

```
ParameterMessenger::∼ParameterMessenger ( )  [virtual]
```

6.56.2 Member Function Documentation

6.56.2.1 GetCMVD()

```
int ParameterMessenger::GetCMVD ( )  [inline]
```

6.56.2.2 GetCollatedIn()

```
int ParameterMessenger::GetCollatedIn ( )  [inline]
```

6.56.2.3 GetCorrTimeSmr()

```
double ParameterMessenger::GetCorrTimeSmr ( )  [inline]
```

6.56.2.4 GetDetectorType()

```
int ParameterMessenger::GetDetectorType ( ) [inline]
```

6.56.2.5 GetFileVersion()

```
G4String ParameterMessenger::GetFileVersion ( ) [inline]
```

6.56.2.6 GetgdmlOption()

```
int ParameterMessenger::GetgdmlOption ( ) [inline]
```

6.56.2.7 GetGeometryLocation()

```
G4String ParameterMessenger::GetGeometryLocation ( ) [inline]
```

6.56.2.8 GetInputOutput()

```
int ParameterMessenger::GetInputOutput ( ) [inline]
```

6.56.2.9 GetMag()

```
int ParameterMessenger::GetMag ( ) [inline]
```

6.56.2.10 GetnAirGap()

```
double ParameterMessenger::GetnAirGap ( ) [inline]
```

6.56.2.11 GetnFeThickness()

```
double ParameterMessenger::GetnFeThickness ( ) [inline]
```

6.56.2.12 GetnLayer()

```
int ParameterMessenger::GetnLayer ( ) [inline]
```

6.56.2.13 GetParameterLocation()

```
G4String ParameterMessenger::GetParameterLocation ( ) [inline]
```

6.56.2.14 GetSignalSpeed()

```
double ParameterMessenger::GetSignalSpeed ( ) [inline]
```

6.56.2.15 GetStripInfoLocation()

```
G4String ParameterMessenger::GetStripInfoLocation ( ) [inline]
```

6.56.2.16 GetTimeToDigiConv()

```
double ParameterMessenger::GetTimeToDigiConv ( ) [inline]
```

6.56.2.17 GetTrackFit()

```
int ParameterMessenger::GetTrackFit ( ) [inline]
```

6.56.2.18 GetUnCorrTimeSmr()

```
double ParameterMessenger::GetUnCorrTimeSmr ( ) [inline]
```

6.56.2.19 GetVisualOutput()

```
int ParameterMessenger::GetVisualOutput ( ) [inline]
```

6.56.2.20 GetXTermOutput()

```
int ParameterMessenger::GetXTermOutput ( ) [inline]
```

6.56.2.21 GetXYstrwd()

```
double ParameterMessenger::GetXYstrwd ( ) [inline]
```

6.56.2.22 PrintParameters()

```
void ParameterMessenger::PrintParameters ( )
```

6.56.2.23 SetCMVD()

```
void ParameterMessenger::SetCMVD (
            int val ) [inline]
```

6.56.2.24 SetCollatedIn()

```
void ParameterMessenger::SetCollatedIn (
            int value ) [inline]
```

6.56.2.25 SetCorrTimeSmr()

```
void ParameterMessenger::SetCorrTimeSmr (
            double value ) [inline]
```

6.56.2.26 SetDetectorType()

```
void ParameterMessenger::SetDetectorType (
            int value ) [inline]
```

6.56.2.27 SetFileVersion()

```
void ParameterMessenger::SetFileVersion (
            G4String value ) [inline]
```

6.56.2.28 SetgdmlOption()

```
void ParameterMessenger::SetgdmlOption (
            int val ) [inline]
```

6.56.2.29 SetGeometryLocation()

```
void ParameterMessenger::SetGeometryLocation (
            G4String value ) [inline]
```

6.56.2.30 SetInputOutput()

```
void ParameterMessenger::SetInputOutput (
            int value ) [inline]
```

6.56.2.31 SetMag()

```
void ParameterMessenger::SetMag (
            int val ) [inline]
```

6.56.2.32 SetnAirGap()

```
void ParameterMessenger::SetnAirGap (
            double value ) [inline]
```

6.56.2.33 SetnFeThickness()

```
void ParameterMessenger::SetnFeThickness (
            double value ) [inline]
```

6.56.2.34 SetnLayer()

```
void ParameterMessenger::SetnLayer (
            int value ) [inline]
```

6.56.2.35 SetParameterLocation()

```
void ParameterMessenger::SetParameterLocation (
            G4String value ) [inline]
```

6.56.2.36 SetSignalSpeed()

```
void ParameterMessenger::SetSignalSpeed (
            double value ) [inline]
```

6.56.2.37 SetStripInfoLocation()

```
void ParameterMessenger::SetStripInfoLocation (
            G4String value ) [inline]
```

6.56.2.38 SetTimeToDigiConv()

```
void ParameterMessenger::SetTimeToDigiConv (
            double value ) [inline]
```

6.56.2.39 SetTrackFit()

```
void ParameterMessenger::SetTrackFit (
            int val ) [inline]
```

6.56.2.40 SetUnCorrTimeSmr()

```
void ParameterMessenger::SetUnCorrTimeSmr (
            double value ) [inline]
```

6.56.2.41 SetVisualOutput()

```
void ParameterMessenger::SetVisualOutput (
            int value ) [inline]
```

6.56.2.42 SetXTermOutput()

```
void ParameterMessenger::SetXTermOutput (
            int value ) [inline]
```

6.56.2.43 SetXYstrwd()

```
void ParameterMessenger::SetXYstrwd (
            double value ) [inline]
```

6.56.3 Member Data Documentation

6.56.3.1 AnPointer

```
ParameterMessenger * ParameterMessenger::AnPointer [static]
```

The documentation for this class was generated from the following files:

- inc/ParameterMessenger.hh
- out.txt
- out_sr.txt
- src/ParameterMessenger.cc

6.57 RPCEve Class Reference

```
#include <RPCEve.h>
```

Public Member Functions

- RPCEve (TTree ∗tree=0)
- virtual ∼RPCEve ()
- virtual Int_t Cut (Long64_t entry)
- virtual Int_t GetEntry (Long64_t entry)
- virtual Long64_t LoadTree (Long64_t entry)
- virtual void Init (TTree ∗tree)
- virtual void Loop ()
- virtual Bool_t Notify ()
- virtual void Show (Long64_t entry=-1)

Public Attributes

- TTree ∗ fChain
- Int_t fCurrent

  pointer to the analyzed TTree or TChain
- Int_t ENum [12]

  current Tree number in a TChain
- Int_t REnum [12]
- ULong64_t CEnum
- TTimeStamp ∗ Evetime_0
- TTimeStamp ∗ Evetime_1
- TTimeStamp ∗ Evetime_2
- TTimeStamp ∗ Evetime_3
- TTimeStamp ∗ Evetime_4
- TTimeStamp ∗ Evetime_5
- TTimeStamp ∗ Evetime_6
- TTimeStamp ∗ Evetime_7
- TTimeStamp ∗ Evetime_8
- TTimeStamp ∗ Evetime_9
- TTimeStamp ∗ Evetime_10
- TTimeStamp ∗ Evetime_11
- TBits ∗ xstriphitsL0
- TBits ∗ ystriphitsL0
- TBits ∗ xstriphitsL1
- TBits ∗ ystriphitsL1
- TBits ∗ xstriphitsL2
- TBits ∗ ystriphitsL2
- TBits ∗ xstriphitsL3
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- TBits ∗ ystriphitsL7
- TBits ∗ xstriphitsL8
- TBits ∗ ystriphitsL8
- TBits ∗ xstriphitsL9
- TBits ∗ ystriphitsL9
- TBits ∗ xstriphitsL10
- TBits ∗ ystriphitsL10
- TBits ∗ xstriphitsL11
- TBits ∗ ystriphitsL11
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- Int_t tdc_ref_t [12]
- Int_t trigCntDiff [12]
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- std::vector< unsigned int > ∗ xtdc_l_11_7
- std::vector< unsigned int > ∗ ytdc_l_11_7
- std::vector< unsigned int > ∗ xtdc_t_11_7
- std::vector< unsigned int > ∗ ytdc_t_11_7
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- TBranch ∗ b_REnum
- TBranch ∗ b_CEnum
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- TBranch ∗ b_Evetime_1
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- TBranch ∗ b_Evetime_4
- TBranch ∗ b_Evetime_5
- TBranch ∗ b_Evetime_6
- TBranch ∗ b_Evetime_7
- TBranch ∗ b_Evetime_8
- TBranch ∗ b_Evetime_9
- TBranch ∗ b_Evetime_10
- TBranch ∗ b_Evetime_11
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- TBranch ∗ b_ystriphitsL0
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- TBranch ∗ b_ystriphitsL1
- TBranch ∗ b_xstriphitsL2
- TBranch ∗ b_ystriphitsL2
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- TBranch ∗ b_ystriphitsL3
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- TBranch ∗ b_ystriphitsL4
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- TBranch ∗ b_ystriphitsL9
- TBranch ∗ b_xstriphitsL10
- TBranch ∗ b_ystriphitsL10
- TBranch ∗ b_xstriphitsL11
- TBranch ∗ b_ystriphitsL11
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- TBranch ∗ b_tdc_ref_t
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- TBranch ∗ b_ytdc_l_11_7
- TBranch ∗ b_xtdc_t_11_7
- TBranch ∗ b_ytdc_t_11_7
- TTimeStamp ∗ EveTS [NL]
- TBits ∗ xLayer [NL]
- TBits ∗ yLayer [NL]
- std::vector< unsigned int > ∗ vxtdc_l [NL][NC]
- std::vector< unsigned int > ∗ vytdc_l [NL][NC]
- std::vector< unsigned int > ∗ vxtdc_t [NL][NC]
- std::vector< unsigned int > ∗ vytdc_t [NL][NC]

6.57.1 Constructor & Destructor Documentation

6.57.1.1 RPCEve()

```
RPCEve::RPCEve (
            TTree * tree = 0 )
```

6.57.1.2 ∼RPCEve()

```
virtual RPCEve::∼RPCEve ( ) [virtual]
```

6.57.2 Member Function Documentation

6.57.2.1 Cut()

```
virtual Int_t RPCEve::Cut (
            Long64_t entry ) [virtual]
```

6.57.2.2 GetEntry()

```
virtual Int_t RPCEve::GetEntry (
            Long64_t entry ) [virtual]
```

6.57.2.3 Init()

```
virtual void RPCEve::Init (
            TTree * tree ) [virtual]
```

6.57.2.4 LoadTree()

```
virtual Long64_t RPCEve::LoadTree (
            Long64_t entry ) [virtual]
```

6.57.2.5 Loop()

```
void RPCEve::Loop ( ) [virtual]
```

6.57.2.6 Notify()

```
virtual Bool_t RPCEve::Notify ( ) [virtual]
```

6.57.2.7 Show()

```
virtual void RPCEve::Show (
            Long64_t entry = -1 )  [virtual]
```

6.57.3 Member Data Documentation

6.57.3.1 b_CEnum

```
TBranch* RPCEve::b_CEnum
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6.57.3.2 b_ENum

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TBranch* RPCEve::b_ENum
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6.57.3.3 b_Evetime_0

```
TBranch* RPCEve::b_Evetime_0
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6.57.3.4 b_Evetime_1

```
TBranch* RPCEve::b_Evetime_1
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6.57.3.5 b_Evetime_10

```
TBranch* RPCEve::b_Evetime_10
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6.57.3.6 b_Evetime_11

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TBranch* RPCEve::b_Evetime_11
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6.57.3.7 b_Evetime_2

TBranch* RPCEve::b_Evetime_2

6.57.3.8 b_Evetime_3

TBranch* RPCEve::b_Evetime_3

6.57.3.9 b_Evetime_4

TBranch* RPCEve::b_Evetime_4

6.57.3.10 b_Evetime_5

TBranch* RPCEve::b_Evetime_5

6.57.3.11 b_Evetime_6

TBranch* RPCEve::b_Evetime_6

6.57.3.12 b_Evetime_7

TBranch* RPCEve::b_Evetime_7

6.57.3.13 b_Evetime_8

TBranch* RPCEve::b_Evetime_8

6.57.3.14 b_Evetime_9

TBranch* RPCEve::b_Evetime_9

6.57.3.15 b_REnum

```
TBranch* RPCEve::b_REnum
```

6.57.3.16 b_tdc_ref_l

```
TBranch* RPCEve::b_tdc_ref_l
```

6.57.3.17 b_tdc_ref_t

```
TBranch* RPCEve::b_tdc_ref_t
```

6.57.3.18 b_trigCntDiff

```
TBranch* RPCEve::b_trigCntDiff
```

6.57.3.19 b_xstriphitsL0

```
TBranch* RPCEve::b_xstriphitsL0
```

6.57.3.20 b_xstriphitsL1

```
TBranch* RPCEve::b_xstriphitsL1
```

6.57.3.21 b_xstriphitsL10

```
TBranch* RPCEve::b_xstriphitsL10
```

6.57.3.22 b_xstriphitsL11

```
TBranch* RPCEve::b_xstriphitsL11
```

6.57.3.23 b_xstriphitsL2

TBranch* RPCEve::b_xstriphitsL2

6.57.3.24 b_xstriphitsL3

TBranch* RPCEve::b_xstriphitsL3

6.57.3.25 b_xstriphitsL4

TBranch* RPCEve::b_xstriphitsL4

6.57.3.26 b_xstriphitsL5

TBranch* RPCEve::b_xstriphitsL5

6.57.3.27 b_xstriphitsL6

TBranch* RPCEve::b_xstriphitsL6

6.57.3.28 b_xstriphitsL7

TBranch* RPCEve::b_xstriphitsL7

6.57.3.29 b_xstriphitsL8

TBranch* RPCEve::b_xstriphitsL8

6.57.3.30 b_xstriphitsL9

TBranch* RPCEve::b_xstriphitsL9

6.57.3.31 b_xtdc_l_0_0

TBranch* RPCEve::b_xtdc_l_0_0

6.57.3.32 b_xtdc_l_0_1

TBranch* RPCEve::b_xtdc_l_0_1

6.57.3.33 b_xtdc_l_0_2

TBranch* RPCEve::b_xtdc_l_0_2

6.57.3.34 b_xtdc_l_0_3

TBranch* RPCEve::b_xtdc_l_0_3

6.57.3.35 b_xtdc_l_0_4

TBranch* RPCEve::b_xtdc_l_0_4

6.57.3.36 b_xtdc_l_0_5

TBranch* RPCEve::b_xtdc_l_0_5

6.57.3.37 b_xtdc_l_0_6

TBranch* RPCEve::b_xtdc_l_0_6

6.57.3.38 b_xtdc_l_0_7

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6.57.3.39 b_xtdc_l_10_0

TBranch* RPCEve::b_xtdc_l_10_0

6.57.3.40 b_xtdc_l_10_1

TBranch* RPCEve::b_xtdc_l_10_1

6.57.3.41 b_xtdc_l_10_2

TBranch* RPCEve::b_xtdc_l_10_2

6.57.3.42 b_xtdc_l_10_3

TBranch* RPCEve::b_xtdc_l_10_3

6.57.3.43 b_xtdc_l_10_4

TBranch* RPCEve::b_xtdc_l_10_4

6.57.3.44 b_xtdc_l_10_5

TBranch* RPCEve::b_xtdc_l_10_5

6.57.3.45 b_xtdc_l_10_6

TBranch* RPCEve::b_xtdc_l_10_6

6.57.3.46 b_xtdc_l_10_7

TBranch* RPCEve::b_xtdc_l_10_7

6.57.3.47 b_xtdc_l_11_0

`TBranch* RPCEve::b_xtdc_l_11_0`

6.57.3.48 b_xtdc_l_11_1

`TBranch* RPCEve::b_xtdc_l_11_1`

6.57.3.49 b_xtdc_l_11_2

`TBranch* RPCEve::b_xtdc_l_11_2`

6.57.3.50 b_xtdc_l_11_3

`TBranch* RPCEve::b_xtdc_l_11_3`

6.57.3.51 b_xtdc_l_11_4

`TBranch* RPCEve::b_xtdc_l_11_4`

6.57.3.52 b_xtdc_l_11_5

`TBranch* RPCEve::b_xtdc_l_11_5`

6.57.3.53 b_xtdc_l_11_6

`TBranch* RPCEve::b_xtdc_l_11_6`

6.57.3.54 b_xtdc_l_11_7

`TBranch* RPCEve::b_xtdc_l_11_7`

6.57.3.55 b_xtdc_l_1_0

TBranch* RPCEve::b_xtdc_l_1_0

6.57.3.56 b_xtdc_l_1_1

TBranch* RPCEve::b_xtdc_l_1_1

6.57.3.57 b_xtdc_l_1_2

TBranch* RPCEve::b_xtdc_l_1_2

6.57.3.58 b_xtdc_l_1_3

TBranch* RPCEve::b_xtdc_l_1_3

6.57.3.59 b_xtdc_l_1_4

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6.57.3.60 b_xtdc_l_1_5

TBranch* RPCEve::b_xtdc_l_1_5

6.57.3.61 b_xtdc_l_1_6

TBranch* RPCEve::b_xtdc_l_1_6

6.57.3.62 b_xtdc_l_1_7

TBranch* RPCEve::b_xtdc_l_1_7

6.57.3.63 b_xtdc_l_2_0

TBranch* RPCEve::b_xtdc_l_2_0

6.57.3.64 b_xtdc_l_2_1

TBranch* RPCEve::b_xtdc_l_2_1

6.57.3.65 b_xtdc_l_2_2

TBranch* RPCEve::b_xtdc_l_2_2

6.57.3.66 b_xtdc_l_2_3

TBranch* RPCEve::b_xtdc_l_2_3

6.57.3.67 b_xtdc_l_2_4

TBranch* RPCEve::b_xtdc_l_2_4

6.57.3.68 b_xtdc_l_2_5

TBranch* RPCEve::b_xtdc_l_2_5

6.57.3.69 b_xtdc_l_2_6

TBranch* RPCEve::b_xtdc_l_2_6

6.57.3.70 b_xtdc_l_2_7

TBranch* RPCEve::b_xtdc_l_2_7

6.57.3.71 b_xtdc_l_3_0

TBranch* RPCEve::b_xtdc_l_3_0

6.57.3.72 b_xtdc_l_3_1

TBranch* RPCEve::b_xtdc_l_3_1

6.57.3.73 b_xtdc_l_3_2

TBranch* RPCEve::b_xtdc_l_3_2

6.57.3.74 b_xtdc_l_3_3

TBranch* RPCEve::b_xtdc_l_3_3

6.57.3.75 b_xtdc_l_3_4

TBranch* RPCEve::b_xtdc_l_3_4

6.57.3.76 b_xtdc_l_3_5

TBranch* RPCEve::b_xtdc_l_3_5

6.57.3.77 b_xtdc_l_3_6

TBranch* RPCEve::b_xtdc_l_3_6

6.57.3.78 b_xtdc_l_3_7

TBranch* RPCEve::b_xtdc_l_3_7

6.57.3.79 b_xtdc_l_4_0

TBranch* RPCEve::b_xtdc_l_4_0

6.57.3.80 b_xtdc_l_4_1

TBranch* RPCEve::b_xtdc_l_4_1

6.57.3.81 b_xtdc_l_4_2

TBranch* RPCEve::b_xtdc_l_4_2

6.57.3.82 b_xtdc_l_4_3

TBranch* RPCEve::b_xtdc_l_4_3

6.57.3.83 b_xtdc_l_4_4

TBranch* RPCEve::b_xtdc_l_4_4

6.57.3.84 b_xtdc_l_4_5

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6.57.3.85 b_xtdc_l_4_6

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6.57.3.86 b_xtdc_l_4_7

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6.57.3.87 b_xtdc_l_5_0

TBranch* RPCEve::b_xtdc_l_5_0

6.57.3.88 b_xtdc_l_5_1

TBranch* RPCEve::b_xtdc_l_5_1

6.57.3.89 b_xtdc_l_5_2

TBranch* RPCEve::b_xtdc_l_5_2

6.57.3.90 b_xtdc_l_5_3

TBranch* RPCEve::b_xtdc_l_5_3

6.57.3.91 b_xtdc_l_5_4

TBranch* RPCEve::b_xtdc_l_5_4

6.57.3.92 b_xtdc_l_5_5

TBranch* RPCEve::b_xtdc_l_5_5

6.57.3.93 b_xtdc_l_5_6

TBranch* RPCEve::b_xtdc_l_5_6

6.57.3.94 b_xtdc_l_5_7

TBranch* RPCEve::b_xtdc_l_5_7

6.57.3.95 b_xtdc_l_6_0

TBranch* RPCEve::b_xtdc_l_6_0

6.57.3.96 b_xtdc_l_6_1

TBranch* RPCEve::b_xtdc_l_6_1

6.57.3.97 b_xtdc_l_6_2

TBranch* RPCEve::b_xtdc_l_6_2

6.57.3.98 b_xtdc_l_6_3

TBranch* RPCEve::b_xtdc_l_6_3

6.57.3.99 b_xtdc_l_6_4

TBranch* RPCEve::b_xtdc_l_6_4

6.57.3.100 b_xtdc_l_6_5

TBranch* RPCEve::b_xtdc_l_6_5

6.57.3.101 b_xtdc_l_6_6

TBranch* RPCEve::b_xtdc_l_6_6

6.57.3.102 b_xtdc_l_6_7

TBranch* RPCEve::b_xtdc_l_6_7

6.57.3.103   b_xtdc_l_7_0

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TBranch* RPCEve::b_xtdc_l_7_0
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6.57.3.104   b_xtdc_l_7_1

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TBranch* RPCEve::b_xtdc_l_7_1
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6.57.3.105   b_xtdc_l_7_2

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TBranch* RPCEve::b_xtdc_l_7_2
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6.57.3.106   b_xtdc_l_7_3

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TBranch* RPCEve::b_xtdc_l_7_3
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6.57.3.107   b_xtdc_l_7_4

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TBranch* RPCEve::b_xtdc_l_7_4
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6.57.3.108   b_xtdc_l_7_5

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TBranch* RPCEve::b_xtdc_l_7_5
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6.57.3.109   b_xtdc_l_7_6

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TBranch* RPCEve::b_xtdc_l_7_6
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6.57.3.110   b_xtdc_l_7_7

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TBranch* RPCEve::b_xtdc_l_7_7
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6.57.3.111 b_xtdc_l_8_0

TBranch* RPCEve::b_xtdc_l_8_0

6.57.3.112 b_xtdc_l_8_1

TBranch* RPCEve::b_xtdc_l_8_1

6.57.3.113 b_xtdc_l_8_2

TBranch* RPCEve::b_xtdc_l_8_2

6.57.3.114 b_xtdc_l_8_3

TBranch* RPCEve::b_xtdc_l_8_3

6.57.3.115 b_xtdc_l_8_4

TBranch* RPCEve::b_xtdc_l_8_4

6.57.3.116 b_xtdc_l_8_5

TBranch* RPCEve::b_xtdc_l_8_5

6.57.3.117 b_xtdc_l_8_6

TBranch* RPCEve::b_xtdc_l_8_6

6.57.3.118 b_xtdc_l_8_7

TBranch* RPCEve::b_xtdc_l_8_7

6.57.3.119   b_xtdc_l_9_0

TBranch* RPCEve::b_xtdc_l_9_0

6.57.3.120   b_xtdc_l_9_1

TBranch* RPCEve::b_xtdc_l_9_1

6.57.3.121   b_xtdc_l_9_2

TBranch* RPCEve::b_xtdc_l_9_2

6.57.3.122   b_xtdc_l_9_3

TBranch* RPCEve::b_xtdc_l_9_3

6.57.3.123   b_xtdc_l_9_4

TBranch* RPCEve::b_xtdc_l_9_4

6.57.3.124   b_xtdc_l_9_5

TBranch* RPCEve::b_xtdc_l_9_5

6.57.3.125   b_xtdc_l_9_6

TBranch* RPCEve::b_xtdc_l_9_6

6.57.3.126   b_xtdc_l_9_7

TBranch* RPCEve::b_xtdc_l_9_7

6.57.3.127 b_xtdc_t_0_0

TBranch* RPCEve::b_xtdc_t_0_0

6.57.3.128 b_xtdc_t_0_1

TBranch* RPCEve::b_xtdc_t_0_1

6.57.3.129 b_xtdc_t_0_2

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6.57.3.130 b_xtdc_t_0_3

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6.57.3.131 b_xtdc_t_0_4

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6.57.3.132 b_xtdc_t_0_5

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6.57.3.133 b_xtdc_t_0_6

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6.57.3.134 b_xtdc_t_0_7

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6.57.3.135 b_xtdc_t_10_0

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6.57.3.136 b_xtdc_t_10_1

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6.57.3.137 b_xtdc_t_10_2

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6.57.3.138 b_xtdc_t_10_3

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6.57.3.139 b_xtdc_t_10_4

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6.57.3.140 b_xtdc_t_10_5

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6.57.3.141 b_xtdc_t_10_6

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6.57.3.142 b_xtdc_t_10_7

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6.57.3.143 b_xtdc_t_11_0

TBranch* RPCEve::b_xtdc_t_11_0

6.57.3.144 b_xtdc_t_11_1

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6.57.3.145 b_xtdc_t_11_2

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6.57.3.146 b_xtdc_t_11_3

TBranch* RPCEve::b_xtdc_t_11_3

6.57.3.147 b_xtdc_t_11_4

TBranch* RPCEve::b_xtdc_t_11_4

6.57.3.148 b_xtdc_t_11_5

TBranch* RPCEve::b_xtdc_t_11_5

6.57.3.149 b_xtdc_t_11_6

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6.57.3.150 b_xtdc_t_11_7

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6.57.3.151 b_xtdc_t_1_0

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6.57.3.152 b_xtdc_t_1_1

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6.57.3.153 b_xtdc_t_1_2

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6.57.3.154 b_xtdc_t_1_3

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6.57.3.155 b_xtdc_t_1_4

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6.57.3.156 b_xtdc_t_1_5

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6.57.3.157 b_xtdc_t_1_6

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6.57.3.158 b_xtdc_t_1_7

TBranch* RPCEve::b_xtdc_t_1_7

6.57.3.159 b_xtdc_t_2_0

TBranch* RPCEve::b_xtdc_t_2_0

6.57.3.160 b_xtdc_t_2_1

TBranch* RPCEve::b_xtdc_t_2_1

6.57.3.161 b_xtdc_t_2_2

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6.57.3.162 b_xtdc_t_2_3

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6.57.3.163 b_xtdc_t_2_4

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6.57.3.164 b_xtdc_t_2_5

TBranch* RPCEve::b_xtdc_t_2_5

6.57.3.165 b_xtdc_t_2_6

TBranch* RPCEve::b_xtdc_t_2_6

6.57.3.166 b_xtdc_t_2_7

TBranch* RPCEve::b_xtdc_t_2_7

6.57.3.167 b_xtdc_t_3_0

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6.57.3.168 b_xtdc_t_3_1

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6.57.3.169 b_xtdc_t_3_2

TBranch* RPCEve::b_xtdc_t_3_2

6.57.3.170 b_xtdc_t_3_3

TBranch* RPCEve::b_xtdc_t_3_3

6.57.3.171 b_xtdc_t_3_4

TBranch* RPCEve::b_xtdc_t_3_4

6.57.3.172 b_xtdc_t_3_5

TBranch* RPCEve::b_xtdc_t_3_5

6.57.3.173 b_xtdc_t_3_6

TBranch* RPCEve::b_xtdc_t_3_6

6.57.3.174 b_xtdc_t_3_7

TBranch* RPCEve::b_xtdc_t_3_7

6.57.3.175 b_xtdc_t_4_0

TBranch* RPCEve::b_xtdc_t_4_0

6.57.3.176 b_xtdc_t_4_1

TBranch* RPCEve::b_xtdc_t_4_1

6.57.3.177 b_xtdc_t_4_2

TBranch* RPCEve::b_xtdc_t_4_2

6.57.3.178 b_xtdc_t_4_3

TBranch* RPCEve::b_xtdc_t_4_3

6.57.3.179 b_xtdc_t_4_4

TBranch* RPCEve::b_xtdc_t_4_4

6.57.3.180 b_xtdc_t_4_5

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6.57.3.181 b_xtdc_t_4_6

TBranch* RPCEve::b_xtdc_t_4_6

6.57.3.182 b_xtdc_t_4_7

TBranch* RPCEve::b_xtdc_t_4_7

6.57.3.183 b_xtdc_t_5_0

TBranch* RPCEve::b_xtdc_t_5_0

6.57.3.184 b_xtdc_t_5_1

TBranch* RPCEve::b_xtdc_t_5_1

6.57.3.185 b_xtdc_t_5_2

TBranch* RPCEve::b_xtdc_t_5_2

6.57.3.186 b_xtdc_t_5_3

TBranch* RPCEve::b_xtdc_t_5_3

6.57.3.187 b_xtdc_t_5_4

TBranch* RPCEve::b_xtdc_t_5_4

6.57.3.188 b_xtdc_t_5_5

TBranch* RPCEve::b_xtdc_t_5_5

6.57.3.189 b_xtdc_t_5_6

TBranch* RPCEve::b_xtdc_t_5_6

6.57.3.190 b_xtdc_t_5_7

TBranch* RPCEve::b_xtdc_t_5_7

6.57.3.191 b_xtdc_t_6_0

`TBranch* RPCEve::b_xtdc_t_6_0`

6.57.3.192 b_xtdc_t_6_1

`TBranch* RPCEve::b_xtdc_t_6_1`

6.57.3.193 b_xtdc_t_6_2

`TBranch* RPCEve::b_xtdc_t_6_2`

6.57.3.194 b_xtdc_t_6_3

`TBranch* RPCEve::b_xtdc_t_6_3`

6.57.3.195 b_xtdc_t_6_4

`TBranch* RPCEve::b_xtdc_t_6_4`

6.57.3.196 b_xtdc_t_6_5

`TBranch* RPCEve::b_xtdc_t_6_5`

6.57.3.197 b_xtdc_t_6_6

`TBranch* RPCEve::b_xtdc_t_6_6`

6.57.3.198 b_xtdc_t_6_7

`TBranch* RPCEve::b_xtdc_t_6_7`

6.57.3.199 b_xtdc_t_7_0

TBranch* RPCEve::b_xtdc_t_7_0

6.57.3.200 b_xtdc_t_7_1

TBranch* RPCEve::b_xtdc_t_7_1

6.57.3.201 b_xtdc_t_7_2

TBranch* RPCEve::b_xtdc_t_7_2

6.57.3.202 b_xtdc_t_7_3

TBranch* RPCEve::b_xtdc_t_7_3

6.57.3.203 b_xtdc_t_7_4

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6.57.3.204 b_xtdc_t_7_5

TBranch* RPCEve::b_xtdc_t_7_5

6.57.3.205 b_xtdc_t_7_6

TBranch* RPCEve::b_xtdc_t_7_6

6.57.3.206 b_xtdc_t_7_7

TBranch* RPCEve::b_xtdc_t_7_7

6.57.3.207 b_xtdc_t_8_0

TBranch* RPCEve::b_xtdc_t_8_0

6.57.3.208 b_xtdc_t_8_1

TBranch* RPCEve::b_xtdc_t_8_1

6.57.3.209 b_xtdc_t_8_2

TBranch* RPCEve::b_xtdc_t_8_2

6.57.3.210 b_xtdc_t_8_3

TBranch* RPCEve::b_xtdc_t_8_3

6.57.3.211 b_xtdc_t_8_4

TBranch* RPCEve::b_xtdc_t_8_4

6.57.3.212 b_xtdc_t_8_5

TBranch* RPCEve::b_xtdc_t_8_5

6.57.3.213 b_xtdc_t_8_6

TBranch* RPCEve::b_xtdc_t_8_6

6.57.3.214 b_xtdc_t_8_7

TBranch* RPCEve::b_xtdc_t_8_7

6.57.3.215 b_xtdc_t_9_0

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TBranch* RPCEve::b_xtdc_t_9_0
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6.57.3.216 b_xtdc_t_9_1

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TBranch* RPCEve::b_xtdc_t_9_1
```

6.57.3.217 b_xtdc_t_9_2

```
TBranch* RPCEve::b_xtdc_t_9_2
```

6.57.3.218 b_xtdc_t_9_3

```
TBranch* RPCEve::b_xtdc_t_9_3
```

6.57.3.219 b_xtdc_t_9_4

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TBranch* RPCEve::b_xtdc_t_9_4
```

6.57.3.220 b_xtdc_t_9_5

```
TBranch* RPCEve::b_xtdc_t_9_5
```

6.57.3.221 b_xtdc_t_9_6

```
TBranch* RPCEve::b_xtdc_t_9_6
```

6.57.3.222 b_xtdc_t_9_7

```
TBranch* RPCEve::b_xtdc_t_9_7
```

6.57.3.223   b_ystriphitsL0

`TBranch* RPCEve::b_ystriphitsL0`

6.57.3.224   b_ystriphitsL1

`TBranch* RPCEve::b_ystriphitsL1`

6.57.3.225   b_ystriphitsL10

`TBranch* RPCEve::b_ystriphitsL10`

6.57.3.226   b_ystriphitsL11

`TBranch* RPCEve::b_ystriphitsL11`

6.57.3.227   b_ystriphitsL2

`TBranch* RPCEve::b_ystriphitsL2`

6.57.3.228   b_ystriphitsL3

`TBranch* RPCEve::b_ystriphitsL3`

6.57.3.229   b_ystriphitsL4

`TBranch* RPCEve::b_ystriphitsL4`

6.57.3.230   b_ystriphitsL5

`TBranch* RPCEve::b_ystriphitsL5`

6.57.3.231 b_ystriphitsL6

TBranch* RPCEve::b_ystriphitsL6

6.57.3.232 b_ystriphitsL7

TBranch* RPCEve::b_ystriphitsL7

6.57.3.233 b_ystriphitsL8

TBranch* RPCEve::b_ystriphitsL8

6.57.3.234 b_ystriphitsL9

TBranch* RPCEve::b_ystriphitsL9

6.57.3.235 b_ytdc_l_0_0

TBranch* RPCEve::b_ytdc_l_0_0

6.57.3.236 b_ytdc_l_0_1

TBranch* RPCEve::b_ytdc_l_0_1

6.57.3.237 b_ytdc_l_0_2

TBranch* RPCEve::b_ytdc_l_0_2

6.57.3.238 b_ytdc_l_0_3

TBranch* RPCEve::b_ytdc_l_0_3

6.57.3.239 b_ytdc_l_0_4

TBranch* RPCEve::b_ytdc_l_0_4

6.57.3.240 b_ytdc_l_0_5

TBranch* RPCEve::b_ytdc_l_0_5

6.57.3.241 b_ytdc_l_0_6

TBranch* RPCEve::b_ytdc_l_0_6

6.57.3.242 b_ytdc_l_0_7

TBranch* RPCEve::b_ytdc_l_0_7

6.57.3.243 b_ytdc_l_10_0

TBranch* RPCEve::b_ytdc_l_10_0

6.57.3.244 b_ytdc_l_10_1

TBranch* RPCEve::b_ytdc_l_10_1

6.57.3.245 b_ytdc_l_10_2

TBranch* RPCEve::b_ytdc_l_10_2

6.57.3.246 b_ytdc_l_10_3

TBranch* RPCEve::b_ytdc_l_10_3

6.57.3.247 b_ytdc_l_10_4

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TBranch* RPCEve::b_ytdc_l_10_4
```

6.57.3.248 b_ytdc_l_10_5

```
TBranch* RPCEve::b_ytdc_l_10_5
```

6.57.3.249 b_ytdc_l_10_6

```
TBranch* RPCEve::b_ytdc_l_10_6
```

6.57.3.250 b_ytdc_l_10_7

```
TBranch* RPCEve::b_ytdc_l_10_7
```

6.57.3.251 b_ytdc_l_11_0

```
TBranch* RPCEve::b_ytdc_l_11_0
```

6.57.3.252 b_ytdc_l_11_1

```
TBranch* RPCEve::b_ytdc_l_11_1
```

6.57.3.253 b_ytdc_l_11_2

```
TBranch* RPCEve::b_ytdc_l_11_2
```

6.57.3.254 b_ytdc_l_11_3

```
TBranch* RPCEve::b_ytdc_l_11_3
```

6.57.3.255 b_ytdc_l_11_4

`TBranch* RPCEve::b_ytdc_l_11_4`

6.57.3.256 b_ytdc_l_11_5

`TBranch* RPCEve::b_ytdc_l_11_5`

6.57.3.257 b_ytdc_l_11_6

`TBranch* RPCEve::b_ytdc_l_11_6`

6.57.3.258 b_ytdc_l_11_7

`TBranch* RPCEve::b_ytdc_l_11_7`

6.57.3.259 b_ytdc_l_1_0

`TBranch* RPCEve::b_ytdc_l_1_0`

6.57.3.260 b_ytdc_l_1_1

`TBranch* RPCEve::b_ytdc_l_1_1`

6.57.3.261 b_ytdc_l_1_2

`TBranch* RPCEve::b_ytdc_l_1_2`

6.57.3.262 b_ytdc_l_1_3

`TBranch* RPCEve::b_ytdc_l_1_3`

6.57.3.263   b_ytdc_l_1_4

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TBranch* RPCEve::b_ytdc_l_1_4
```

6.57.3.264   b_ytdc_l_1_5

```
TBranch* RPCEve::b_ytdc_l_1_5
```

6.57.3.265   b_ytdc_l_1_6

```
TBranch* RPCEve::b_ytdc_l_1_6
```

6.57.3.266   b_ytdc_l_1_7

```
TBranch* RPCEve::b_ytdc_l_1_7
```

6.57.3.267   b_ytdc_l_2_0

```
TBranch* RPCEve::b_ytdc_l_2_0
```

6.57.3.268   b_ytdc_l_2_1

```
TBranch* RPCEve::b_ytdc_l_2_1
```

6.57.3.269   b_ytdc_l_2_2

```
TBranch* RPCEve::b_ytdc_l_2_2
```

6.57.3.270   b_ytdc_l_2_3

```
TBranch* RPCEve::b_ytdc_l_2_3
```

6.57.3.271 b_ytdc_l_2_4

`TBranch* RPCEve::b_ytdc_l_2_4`

6.57.3.272 b_ytdc_l_2_5

`TBranch* RPCEve::b_ytdc_l_2_5`

6.57.3.273 b_ytdc_l_2_6

`TBranch* RPCEve::b_ytdc_l_2_6`

6.57.3.274 b_ytdc_l_2_7

`TBranch* RPCEve::b_ytdc_l_2_7`

6.57.3.275 b_ytdc_l_3_0

`TBranch* RPCEve::b_ytdc_l_3_0`

6.57.3.276 b_ytdc_l_3_1

`TBranch* RPCEve::b_ytdc_l_3_1`

6.57.3.277 b_ytdc_l_3_2

`TBranch* RPCEve::b_ytdc_l_3_2`

6.57.3.278 b_ytdc_l_3_3

`TBranch* RPCEve::b_ytdc_l_3_3`

6.57.3.279 b_ytdc_l_3_4

TBranch* RPCEve::b_ytdc_l_3_4

6.57.3.280 b_ytdc_l_3_5

TBranch* RPCEve::b_ytdc_l_3_5

6.57.3.281 b_ytdc_l_3_6

TBranch* RPCEve::b_ytdc_l_3_6

6.57.3.282 b_ytdc_l_3_7

TBranch* RPCEve::b_ytdc_l_3_7

6.57.3.283 b_ytdc_l_4_0

TBranch* RPCEve::b_ytdc_l_4_0

6.57.3.284 b_ytdc_l_4_1

TBranch* RPCEve::b_ytdc_l_4_1

6.57.3.285 b_ytdc_l_4_2

TBranch* RPCEve::b_ytdc_l_4_2

6.57.3.286 b_ytdc_l_4_3

TBranch* RPCEve::b_ytdc_l_4_3

6.57.3.287 b_ytdc_l_4_4

`TBranch* RPCEve::b_ytdc_l_4_4`

6.57.3.288 b_ytdc_l_4_5

`TBranch* RPCEve::b_ytdc_l_4_5`

6.57.3.289 b_ytdc_l_4_6

`TBranch* RPCEve::b_ytdc_l_4_6`

6.57.3.290 b_ytdc_l_4_7

`TBranch* RPCEve::b_ytdc_l_4_7`

6.57.3.291 b_ytdc_l_5_0

`TBranch* RPCEve::b_ytdc_l_5_0`

6.57.3.292 b_ytdc_l_5_1

`TBranch* RPCEve::b_ytdc_l_5_1`

6.57.3.293 b_ytdc_l_5_2

`TBranch* RPCEve::b_ytdc_l_5_2`

6.57.3.294 b_ytdc_l_5_3

`TBranch* RPCEve::b_ytdc_l_5_3`

6.57.3.295 b_ytdc_l_5_4

TBranch* RPCEve::b_ytdc_l_5_4

6.57.3.296 b_ytdc_l_5_5

TBranch* RPCEve::b_ytdc_l_5_5

6.57.3.297 b_ytdc_l_5_6

TBranch* RPCEve::b_ytdc_l_5_6

6.57.3.298 b_ytdc_l_5_7

TBranch* RPCEve::b_ytdc_l_5_7

6.57.3.299 b_ytdc_l_6_0

TBranch* RPCEve::b_ytdc_l_6_0

6.57.3.300 b_ytdc_l_6_1

TBranch* RPCEve::b_ytdc_l_6_1

6.57.3.301 b_ytdc_l_6_2

TBranch* RPCEve::b_ytdc_l_6_2

6.57.3.302 b_ytdc_l_6_3

TBranch* RPCEve::b_ytdc_l_6_3

6.57.3.303 b_ytdc_l_6_4

`TBranch* RPCEve::b_ytdc_l_6_4`

6.57.3.304 b_ytdc_l_6_5

`TBranch* RPCEve::b_ytdc_l_6_5`

6.57.3.305 b_ytdc_l_6_6

`TBranch* RPCEve::b_ytdc_l_6_6`

6.57.3.306 b_ytdc_l_6_7

`TBranch* RPCEve::b_ytdc_l_6_7`

6.57.3.307 b_ytdc_l_7_0

`TBranch* RPCEve::b_ytdc_l_7_0`

6.57.3.308 b_ytdc_l_7_1

`TBranch* RPCEve::b_ytdc_l_7_1`

6.57.3.309 b_ytdc_l_7_2

`TBranch* RPCEve::b_ytdc_l_7_2`

6.57.3.310 b_ytdc_l_7_3

`TBranch* RPCEve::b_ytdc_l_7_3`

6.57.3.311 b_ytdc_l_7_4

TBranch* RPCEve::b_ytdc_l_7_4

6.57.3.312 b_ytdc_l_7_5

TBranch* RPCEve::b_ytdc_l_7_5

6.57.3.313 b_ytdc_l_7_6

TBranch* RPCEve::b_ytdc_l_7_6

6.57.3.314 b_ytdc_l_7_7

TBranch* RPCEve::b_ytdc_l_7_7

6.57.3.315 b_ytdc_l_8_0

TBranch* RPCEve::b_ytdc_l_8_0

6.57.3.316 b_ytdc_l_8_1

TBranch* RPCEve::b_ytdc_l_8_1

6.57.3.317 b_ytdc_l_8_2

TBranch* RPCEve::b_ytdc_l_8_2

6.57.3.318 b_ytdc_l_8_3

TBranch* RPCEve::b_ytdc_l_8_3

6.57.3.319 b_ytdc_l_8_4

`TBranch* RPCEve::b_ytdc_l_8_4`

6.57.3.320 b_ytdc_l_8_5

`TBranch* RPCEve::b_ytdc_l_8_5`

6.57.3.321 b_ytdc_l_8_6

`TBranch* RPCEve::b_ytdc_l_8_6`

6.57.3.322 b_ytdc_l_8_7

`TBranch* RPCEve::b_ytdc_l_8_7`

6.57.3.323 b_ytdc_l_9_0

`TBranch* RPCEve::b_ytdc_l_9_0`

6.57.3.324 b_ytdc_l_9_1

`TBranch* RPCEve::b_ytdc_l_9_1`

6.57.3.325 b_ytdc_l_9_2

`TBranch* RPCEve::b_ytdc_l_9_2`

6.57.3.326 b_ytdc_l_9_3

`TBranch* RPCEve::b_ytdc_l_9_3`

6.57.3.327 b_ytdc_l_9_4

TBranch* RPCEve::b_ytdc_l_9_4

6.57.3.328 b_ytdc_l_9_5

TBranch* RPCEve::b_ytdc_l_9_5

6.57.3.329 b_ytdc_l_9_6

TBranch* RPCEve::b_ytdc_l_9_6

6.57.3.330 b_ytdc_l_9_7

TBranch* RPCEve::b_ytdc_l_9_7

6.57.3.331 b_ytdc_t_0_0

TBranch* RPCEve::b_ytdc_t_0_0

6.57.3.332 b_ytdc_t_0_1

TBranch* RPCEve::b_ytdc_t_0_1

6.57.3.333 b_ytdc_t_0_2

TBranch* RPCEve::b_ytdc_t_0_2

6.57.3.334 b_ytdc_t_0_3

TBranch* RPCEve::b_ytdc_t_0_3

6.57.3.335   b_ytdc_t_0_4

`TBranch* RPCEve::b_ytdc_t_0_4`

6.57.3.336   b_ytdc_t_0_5

`TBranch* RPCEve::b_ytdc_t_0_5`

6.57.3.337   b_ytdc_t_0_6

`TBranch* RPCEve::b_ytdc_t_0_6`

6.57.3.338   b_ytdc_t_0_7

`TBranch* RPCEve::b_ytdc_t_0_7`

6.57.3.339   b_ytdc_t_10_0

`TBranch* RPCEve::b_ytdc_t_10_0`

6.57.3.340   b_ytdc_t_10_1

`TBranch* RPCEve::b_ytdc_t_10_1`

6.57.3.341   b_ytdc_t_10_2

`TBranch* RPCEve::b_ytdc_t_10_2`

6.57.3.342   b_ytdc_t_10_3

`TBranch* RPCEve::b_ytdc_t_10_3`

6.57.3.343 b_ytdc_t_10_4

TBranch* RPCEve::b_ytdc_t_10_4

6.57.3.344 b_ytdc_t_10_5

TBranch* RPCEve::b_ytdc_t_10_5

6.57.3.345 b_ytdc_t_10_6

TBranch* RPCEve::b_ytdc_t_10_6

6.57.3.346 b_ytdc_t_10_7

TBranch* RPCEve::b_ytdc_t_10_7

6.57.3.347 b_ytdc_t_11_0

TBranch* RPCEve::b_ytdc_t_11_0

6.57.3.348 b_ytdc_t_11_1

TBranch* RPCEve::b_ytdc_t_11_1

6.57.3.349 b_ytdc_t_11_2

TBranch* RPCEve::b_ytdc_t_11_2

6.57.3.350 b_ytdc_t_11_3

TBranch* RPCEve::b_ytdc_t_11_3

6.57.3.351 b_ytdc_t_11_4

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TBranch* RPCEve::b_ytdc_t_11_4
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6.57.3.352 b_ytdc_t_11_5

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TBranch* RPCEve::b_ytdc_t_11_5
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6.57.3.353 b_ytdc_t_11_6

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TBranch* RPCEve::b_ytdc_t_11_6
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6.57.3.354 b_ytdc_t_11_7

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TBranch* RPCEve::b_ytdc_t_11_7
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6.57.3.355 b_ytdc_t_1_0

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TBranch* RPCEve::b_ytdc_t_1_0
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6.57.3.356 b_ytdc_t_1_1

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TBranch* RPCEve::b_ytdc_t_1_1
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6.57.3.357 b_ytdc_t_1_2

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TBranch* RPCEve::b_ytdc_t_1_2
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6.57.3.358 b_ytdc_t_1_3

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TBranch* RPCEve::b_ytdc_t_1_3
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6.57.3.359 b_ytdc_t_1_4

TBranch* RPCEve::b_ytdc_t_1_4

6.57.3.360 b_ytdc_t_1_5

TBranch* RPCEve::b_ytdc_t_1_5

6.57.3.361 b_ytdc_t_1_6

TBranch* RPCEve::b_ytdc_t_1_6

6.57.3.362 b_ytdc_t_1_7

TBranch* RPCEve::b_ytdc_t_1_7

6.57.3.363 b_ytdc_t_2_0

TBranch* RPCEve::b_ytdc_t_2_0

6.57.3.364 b_ytdc_t_2_1

TBranch* RPCEve::b_ytdc_t_2_1

6.57.3.365 b_ytdc_t_2_2

TBranch* RPCEve::b_ytdc_t_2_2

6.57.3.366 b_ytdc_t_2_3

TBranch* RPCEve::b_ytdc_t_2_3

6.57.3.367 b_ytdc_t_2_4

TBranch* RPCEve::b_ytdc_t_2_4

6.57.3.368 b_ytdc_t_2_5

TBranch* RPCEve::b_ytdc_t_2_5

6.57.3.369 b_ytdc_t_2_6

TBranch* RPCEve::b_ytdc_t_2_6

6.57.3.370 b_ytdc_t_2_7

TBranch* RPCEve::b_ytdc_t_2_7

6.57.3.371 b_ytdc_t_3_0

TBranch* RPCEve::b_ytdc_t_3_0

6.57.3.372 b_ytdc_t_3_1

TBranch* RPCEve::b_ytdc_t_3_1

6.57.3.373 b_ytdc_t_3_2

TBranch* RPCEve::b_ytdc_t_3_2

6.57.3.374 b_ytdc_t_3_3

TBranch* RPCEve::b_ytdc_t_3_3

6.57.3.375 b_ytdc_t_3_4

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TBranch* RPCEve::b_ytdc_t_3_4
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6.57.3.376 b_ytdc_t_3_5

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TBranch* RPCEve::b_ytdc_t_3_5
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6.57.3.377 b_ytdc_t_3_6

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TBranch* RPCEve::b_ytdc_t_3_6
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6.57.3.378 b_ytdc_t_3_7

```
TBranch* RPCEve::b_ytdc_t_3_7
```

6.57.3.379 b_ytdc_t_4_0

```
TBranch* RPCEve::b_ytdc_t_4_0
```

6.57.3.380 b_ytdc_t_4_1

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TBranch* RPCEve::b_ytdc_t_4_1
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6.57.3.381 b_ytdc_t_4_2

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TBranch* RPCEve::b_ytdc_t_4_2
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6.57.3.382 b_ytdc_t_4_3

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TBranch* RPCEve::b_ytdc_t_4_3
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6.57.3.383 b_ytdc_t_4_4

`TBranch* RPCEve::b_ytdc_t_4_4`

6.57.3.384 b_ytdc_t_4_5

`TBranch* RPCEve::b_ytdc_t_4_5`

6.57.3.385 b_ytdc_t_4_6

`TBranch* RPCEve::b_ytdc_t_4_6`

6.57.3.386 b_ytdc_t_4_7

`TBranch* RPCEve::b_ytdc_t_4_7`

6.57.3.387 b_ytdc_t_5_0

`TBranch* RPCEve::b_ytdc_t_5_0`

6.57.3.388 b_ytdc_t_5_1

`TBranch* RPCEve::b_ytdc_t_5_1`

6.57.3.389 b_ytdc_t_5_2

`TBranch* RPCEve::b_ytdc_t_5_2`

6.57.3.390 b_ytdc_t_5_3

`TBranch* RPCEve::b_ytdc_t_5_3`

6.57.3.391   b_ytdc_t_5_4

TBranch* RPCEve::b_ytdc_t_5_4

6.57.3.392   b_ytdc_t_5_5

TBranch* RPCEve::b_ytdc_t_5_5

6.57.3.393   b_ytdc_t_5_6

TBranch* RPCEve::b_ytdc_t_5_6

6.57.3.394   b_ytdc_t_5_7

TBranch* RPCEve::b_ytdc_t_5_7

6.57.3.395   b_ytdc_t_6_0

TBranch* RPCEve::b_ytdc_t_6_0

6.57.3.396   b_ytdc_t_6_1

TBranch* RPCEve::b_ytdc_t_6_1

6.57.3.397   b_ytdc_t_6_2

TBranch* RPCEve::b_ytdc_t_6_2

6.57.3.398   b_ytdc_t_6_3

TBranch* RPCEve::b_ytdc_t_6_3

6.57.3.399   b_ytdc_t_6_4

TBranch* RPCEve::b_ytdc_t_6_4

6.57.3.400   b_ytdc_t_6_5

TBranch* RPCEve::b_ytdc_t_6_5

6.57.3.401   b_ytdc_t_6_6

TBranch* RPCEve::b_ytdc_t_6_6

6.57.3.402   b_ytdc_t_6_7

TBranch* RPCEve::b_ytdc_t_6_7

6.57.3.403   b_ytdc_t_7_0

TBranch* RPCEve::b_ytdc_t_7_0

6.57.3.404   b_ytdc_t_7_1

TBranch* RPCEve::b_ytdc_t_7_1

6.57.3.405   b_ytdc_t_7_2

TBranch* RPCEve::b_ytdc_t_7_2

6.57.3.406   b_ytdc_t_7_3

TBranch* RPCEve::b_ytdc_t_7_3

6.57.3.407 b_ytdc_t_7_4

TBranch* RPCEve::b_ytdc_t_7_4

6.57.3.408 b_ytdc_t_7_5

TBranch* RPCEve::b_ytdc_t_7_5

6.57.3.409 b_ytdc_t_7_6

TBranch* RPCEve::b_ytdc_t_7_6

6.57.3.410 b_ytdc_t_7_7

TBranch* RPCEve::b_ytdc_t_7_7

6.57.3.411 b_ytdc_t_8_0

TBranch* RPCEve::b_ytdc_t_8_0

6.57.3.412 b_ytdc_t_8_1

TBranch* RPCEve::b_ytdc_t_8_1

6.57.3.413 b_ytdc_t_8_2

TBranch* RPCEve::b_ytdc_t_8_2

6.57.3.414 b_ytdc_t_8_3

TBranch* RPCEve::b_ytdc_t_8_3

6.57.3.415   b_ytdc_t_8_4

`TBranch* RPCEve::b_ytdc_t_8_4`

6.57.3.416   b_ytdc_t_8_5

`TBranch* RPCEve::b_ytdc_t_8_5`

6.57.3.417   b_ytdc_t_8_6

`TBranch* RPCEve::b_ytdc_t_8_6`

6.57.3.418   b_ytdc_t_8_7

`TBranch* RPCEve::b_ytdc_t_8_7`

6.57.3.419   b_ytdc_t_9_0

`TBranch* RPCEve::b_ytdc_t_9_0`

6.57.3.420   b_ytdc_t_9_1

`TBranch* RPCEve::b_ytdc_t_9_1`

6.57.3.421   b_ytdc_t_9_2

`TBranch* RPCEve::b_ytdc_t_9_2`

6.57.3.422   b_ytdc_t_9_3

`TBranch* RPCEve::b_ytdc_t_9_3`

6.57.3.423 b_ytdc_t_9_4

`TBranch* RPCEve::b_ytdc_t_9_4`

6.57.3.424 b_ytdc_t_9_5

`TBranch* RPCEve::b_ytdc_t_9_5`

6.57.3.425 b_ytdc_t_9_6

`TBranch* RPCEve::b_ytdc_t_9_6`

6.57.3.426 b_ytdc_t_9_7

`TBranch* RPCEve::b_ytdc_t_9_7`

6.57.3.427 CEnum

`ULong64_t RPCEve::CEnum`

6.57.3.428 ENum

`Int_t RPCEve::ENum[12]`

current Tree number in a TChain

6.57.3.429 Evetime_0

`TTimeStamp* RPCEve::Evetime_0`

6.57.3.430 Evetime_1

`TTimeStamp* RPCEve::Evetime_1`

6.57.3.431 Evetime_10

`TTimeStamp* RPCEve::Evetime_10`

6.57.3.432 Evetime_11

`TTimeStamp* RPCEve::Evetime_11`

6.57.3.433 Evetime_2

`TTimeStamp* RPCEve::Evetime_2`

6.57.3.434 Evetime_3

`TTimeStamp* RPCEve::Evetime_3`

6.57.3.435 Evetime_4

`TTimeStamp* RPCEve::Evetime_4`

6.57.3.436 Evetime_5

`TTimeStamp* RPCEve::Evetime_5`

6.57.3.437 Evetime_6

`TTimeStamp* RPCEve::Evetime_6`

6.57.3.438 Evetime_7

```
TTimeStamp* RPCEve::Evetime_7
```

6.57.3.439 Evetime_8

```
TTimeStamp* RPCEve::Evetime_8
```

6.57.3.440 Evetime_9

```
TTimeStamp* RPCEve::Evetime_9
```

6.57.3.441 EveTS

```
TTimeStamp* RPCEve::EveTS[NL]
```

6.57.3.442 fChain

```
TTree* RPCEve::fChain
```

6.57.3.443 fCurrent

```
Int_t RPCEve::fCurrent
```

pointer to the analyzed TTree or TChain

6.57.3.444 REnum

```
Int_t RPCEve::REnum[12]
```

6.57.3.445 tdc_ref_l

`Int_t RPCEve::tdc_ref_l[12]`

6.57.3.446 tdc_ref_t

`Int_t RPCEve::tdc_ref_t[12]`

6.57.3.447 trigCntDiff

`Int_t RPCEve::trigCntDiff[12]`

6.57.3.448 vxtdc_l

`std::vector<unsigned int>* RPCEve::vxtdc_l[NL][NC]`

6.57.3.449 vxtdc_t

`std::vector<unsigned int>* RPCEve::vxtdc_t[NL][NC]`

6.57.3.450 vytdc_l

`std::vector<unsigned int>* RPCEve::vytdc_l[NL][NC]`

6.57.3.451 vytdc_t

`std::vector<unsigned int>* RPCEve::vytdc_t[NL][NC]`

6.57.3.452 xLayer

`TBits* RPCEve::xLayer[NL]`

6.57.3.453 xstriphitsL0

`TBits* RPCEve::xstriphitsL0`

6.57.3.454 xstriphitsL1

`TBits* RPCEve::xstriphitsL1`

6.57.3.455 xstriphitsL10

`TBits* RPCEve::xstriphitsL10`

6.57.3.456 xstriphitsL11

`TBits* RPCEve::xstriphitsL11`

6.57.3.457 xstriphitsL2

`TBits* RPCEve::xstriphitsL2`

6.57.3.458 xstriphitsL3

`TBits* RPCEve::xstriphitsL3`

6.57.3.459 xstriphitsL4

`TBits* RPCEve::xstriphitsL4`

6.57.3.460 xstriphitsL5

`TBits* RPCEve::xstriphitsL5`

6.57.3.461 xstriphitsL6

`TBits* RPCEve::xstriphitsL6`

6.57.3.462 xstriphitsL7

`TBits* RPCEve::xstriphitsL7`

6.57.3.463 xstriphitsL8

`TBits* RPCEve::xstriphitsL8`

6.57.3.464 xstriphitsL9

`TBits* RPCEve::xstriphitsL9`

6.57.3.465 xtdc_l_0_0

`std::vector<unsigned int>* RPCEve::xtdc_l_0_0`

6.57.3.466 xtdc_l_0_1

`std::vector<unsigned int>* RPCEve::xtdc_l_0_1`

6.57.3.467 xtdc_l_0_2

`std::vector<unsigned int>* RPCEve::xtdc_l_0_2`

6.57.3.468 xtdc_l_0_3

`std::vector<unsigned int>* RPCEve::xtdc_l_0_3`

6.57.3.469 xtdc_l_0_4

```
std::vector<unsigned int>* RPCEve::xtdc_l_0_4
```

6.57.3.470 xtdc_l_0_5

```
std::vector<unsigned int>* RPCEve::xtdc_l_0_5
```

6.57.3.471 xtdc_l_0_6

```
std::vector<unsigned int>* RPCEve::xtdc_l_0_6
```

6.57.3.472 xtdc_l_0_7

```
std::vector<unsigned int>* RPCEve::xtdc_l_0_7
```

6.57.3.473 xtdc_l_10_0

```
std::vector<unsigned int>* RPCEve::xtdc_l_10_0
```

6.57.3.474 xtdc_l_10_1

```
std::vector<unsigned int>* RPCEve::xtdc_l_10_1
```

6.57.3.475 xtdc_l_10_2

```
std::vector<unsigned int>* RPCEve::xtdc_l_10_2
```

6.57.3.476 xtdc_l_10_3

```
std::vector<unsigned int>* RPCEve::xtdc_l_10_3
```

6.57.3.477 xtdc_l_10_4

```
std::vector<unsigned int>* RPCEve::xtdc_l_10_4
```

6.57.3.478 xtdc_l_10_5

```
std::vector<unsigned int>* RPCEve::xtdc_l_10_5
```

6.57.3.479 xtdc_l_10_6

```
std::vector<unsigned int>* RPCEve::xtdc_l_10_6
```

6.57.3.480 xtdc_l_10_7

```
std::vector<unsigned int>* RPCEve::xtdc_l_10_7
```

6.57.3.481 xtdc_l_11_0

```
std::vector<unsigned int>* RPCEve::xtdc_l_11_0
```

6.57.3.482 xtdc_l_11_1

```
std::vector<unsigned int>* RPCEve::xtdc_l_11_1
```

6.57.3.483 xtdc_l_11_2

```
std::vector<unsigned int>* RPCEve::xtdc_l_11_2
```

6.57.3.484 xtdc_l_11_3

```
std::vector<unsigned int>* RPCEve::xtdc_l_11_3
```

6.57.3.485 xtdc_l_11_4

`std::vector<unsigned int>* RPCEve::xtdc_l_11_4`

6.57.3.486 xtdc_l_11_5

`std::vector<unsigned int>* RPCEve::xtdc_l_11_5`

6.57.3.487 xtdc_l_11_6

`std::vector<unsigned int>* RPCEve::xtdc_l_11_6`

6.57.3.488 xtdc_l_11_7

`std::vector<unsigned int>* RPCEve::xtdc_l_11_7`

6.57.3.489 xtdc_l_1_0

`std::vector<unsigned int>* RPCEve::xtdc_l_1_0`

6.57.3.490 xtdc_l_1_1

`std::vector<unsigned int>* RPCEve::xtdc_l_1_1`

6.57.3.491 xtdc_l_1_2

`std::vector<unsigned int>* RPCEve::xtdc_l_1_2`

6.57.3.492 xtdc_l_1_3

`std::vector<unsigned int>* RPCEve::xtdc_l_1_3`

6.57.3.493 xtdc_l_1_4

```
std::vector<unsigned int>* RPCEve::xtdc_l_1_4
```

6.57.3.494 xtdc_l_1_5

```
std::vector<unsigned int>* RPCEve::xtdc_l_1_5
```

6.57.3.495 xtdc_l_1_6

```
std::vector<unsigned int>* RPCEve::xtdc_l_1_6
```

6.57.3.496 xtdc_l_1_7

```
std::vector<unsigned int>* RPCEve::xtdc_l_1_7
```

6.57.3.497 xtdc_l_2_0

```
std::vector<unsigned int>* RPCEve::xtdc_l_2_0
```

6.57.3.498 xtdc_l_2_1

```
std::vector<unsigned int>* RPCEve::xtdc_l_2_1
```

6.57.3.499 xtdc_l_2_2

```
std::vector<unsigned int>* RPCEve::xtdc_l_2_2
```

6.57.3.500 xtdc_l_2_3

```
std::vector<unsigned int>* RPCEve::xtdc_l_2_3
```

6.57.3.501 xtdc_l_2_4

```
std::vector<unsigned int>* RPCEve::xtdc_l_2_4
```

6.57.3.502 xtdc_l_2_5

```
std::vector<unsigned int>* RPCEve::xtdc_l_2_5
```

6.57.3.503 xtdc_l_2_6

```
std::vector<unsigned int>* RPCEve::xtdc_l_2_6
```

6.57.3.504 xtdc_l_2_7

```
std::vector<unsigned int>* RPCEve::xtdc_l_2_7
```

6.57.3.505 xtdc_l_3_0

```
std::vector<unsigned int>* RPCEve::xtdc_l_3_0
```

6.57.3.506 xtdc_l_3_1

```
std::vector<unsigned int>* RPCEve::xtdc_l_3_1
```

6.57.3.507 xtdc_l_3_2

```
std::vector<unsigned int>* RPCEve::xtdc_l_3_2
```

6.57.3.508 xtdc_l_3_3

```
std::vector<unsigned int>* RPCEve::xtdc_l_3_3
```

6.57.3.509 xtdc_l_3_4

`std::vector<unsigned int>* RPCEve::xtdc_l_3_4`

6.57.3.510 xtdc_l_3_5

`std::vector<unsigned int>* RPCEve::xtdc_l_3_5`

6.57.3.511 xtdc_l_3_6

`std::vector<unsigned int>* RPCEve::xtdc_l_3_6`

6.57.3.512 xtdc_l_3_7

`std::vector<unsigned int>* RPCEve::xtdc_l_3_7`

6.57.3.513 xtdc_l_4_0

`std::vector<unsigned int>* RPCEve::xtdc_l_4_0`

6.57.3.514 xtdc_l_4_1

`std::vector<unsigned int>* RPCEve::xtdc_l_4_1`

6.57.3.515 xtdc_l_4_2

`std::vector<unsigned int>* RPCEve::xtdc_l_4_2`

6.57.3.516 xtdc_l_4_3

`std::vector<unsigned int>* RPCEve::xtdc_l_4_3`

6.57.3.517 xtdc_l_4_4

```
std::vector<unsigned int>* RPCEve::xtdc_l_4_4
```

6.57.3.518 xtdc_l_4_5

```
std::vector<unsigned int>* RPCEve::xtdc_l_4_5
```

6.57.3.519 xtdc_l_4_6

```
std::vector<unsigned int>* RPCEve::xtdc_l_4_6
```

6.57.3.520 xtdc_l_4_7

```
std::vector<unsigned int>* RPCEve::xtdc_l_4_7
```

6.57.3.521 xtdc_l_5_0

```
std::vector<unsigned int>* RPCEve::xtdc_l_5_0
```

6.57.3.522 xtdc_l_5_1

```
std::vector<unsigned int>* RPCEve::xtdc_l_5_1
```

6.57.3.523 xtdc_l_5_2

```
std::vector<unsigned int>* RPCEve::xtdc_l_5_2
```

6.57.3.524 xtdc_l_5_3

```
std::vector<unsigned int>* RPCEve::xtdc_l_5_3
```

6.57.3.525   xtdc_l_5_4

```
std::vector<unsigned int>* RPCEve::xtdc_l_5_4
```

6.57.3.526   xtdc_l_5_5

```
std::vector<unsigned int>* RPCEve::xtdc_l_5_5
```

6.57.3.527   xtdc_l_5_6

```
std::vector<unsigned int>* RPCEve::xtdc_l_5_6
```

6.57.3.528   xtdc_l_5_7

```
std::vector<unsigned int>* RPCEve::xtdc_l_5_7
```

6.57.3.529   xtdc_l_6_0

```
std::vector<unsigned int>* RPCEve::xtdc_l_6_0
```

6.57.3.530   xtdc_l_6_1

```
std::vector<unsigned int>* RPCEve::xtdc_l_6_1
```

6.57.3.531   xtdc_l_6_2

```
std::vector<unsigned int>* RPCEve::xtdc_l_6_2
```

6.57.3.532   xtdc_l_6_3

```
std::vector<unsigned int>* RPCEve::xtdc_l_6_3
```

6.57.3.533 xtdc_l_6_4

```
std::vector<unsigned int>* RPCEve::xtdc_l_6_4
```

6.57.3.534 xtdc_l_6_5

```
std::vector<unsigned int>* RPCEve::xtdc_l_6_5
```

6.57.3.535 xtdc_l_6_6

```
std::vector<unsigned int>* RPCEve::xtdc_l_6_6
```

6.57.3.536 xtdc_l_6_7

```
std::vector<unsigned int>* RPCEve::xtdc_l_6_7
```

6.57.3.537 xtdc_l_7_0

```
std::vector<unsigned int>* RPCEve::xtdc_l_7_0
```

6.57.3.538 xtdc_l_7_1

```
std::vector<unsigned int>* RPCEve::xtdc_l_7_1
```

6.57.3.539 xtdc_l_7_2

```
std::vector<unsigned int>* RPCEve::xtdc_l_7_2
```

6.57.3.540 xtdc_l_7_3

```
std::vector<unsigned int>* RPCEve::xtdc_l_7_3
```

6.57.3.541 xtdc_l_7_4

`std::vector<unsigned int>* RPCEve::xtdc_l_7_4`

6.57.3.542 xtdc_l_7_5

`std::vector<unsigned int>* RPCEve::xtdc_l_7_5`

6.57.3.543 xtdc_l_7_6

`std::vector<unsigned int>* RPCEve::xtdc_l_7_6`

6.57.3.544 xtdc_l_7_7

`std::vector<unsigned int>* RPCEve::xtdc_l_7_7`

6.57.3.545 xtdc_l_8_0

`std::vector<unsigned int>* RPCEve::xtdc_l_8_0`

6.57.3.546 xtdc_l_8_1

`std::vector<unsigned int>* RPCEve::xtdc_l_8_1`

6.57.3.547 xtdc_l_8_2

`std::vector<unsigned int>* RPCEve::xtdc_l_8_2`

6.57.3.548 xtdc_l_8_3

`std::vector<unsigned int>* RPCEve::xtdc_l_8_3`

6.57.3.549 xtdc_l_8_4

```
std::vector<unsigned int>* RPCEve::xtdc_l_8_4
```

6.57.3.550 xtdc_l_8_5

```
std::vector<unsigned int>* RPCEve::xtdc_l_8_5
```

6.57.3.551 xtdc_l_8_6

```
std::vector<unsigned int>* RPCEve::xtdc_l_8_6
```

6.57.3.552 xtdc_l_8_7

```
std::vector<unsigned int>* RPCEve::xtdc_l_8_7
```

6.57.3.553 xtdc_l_9_0

```
std::vector<unsigned int>* RPCEve::xtdc_l_9_0
```

6.57.3.554 xtdc_l_9_1

```
std::vector<unsigned int>* RPCEve::xtdc_l_9_1
```

6.57.3.555 xtdc_l_9_2

```
std::vector<unsigned int>* RPCEve::xtdc_l_9_2
```

6.57.3.556 xtdc_l_9_3

```
std::vector<unsigned int>* RPCEve::xtdc_l_9_3
```

6.57.3.557 xtdc_l_9_4

std::vector<unsigned int>* RPCEve::xtdc_l_9_4

6.57.3.558 xtdc_l_9_5

std::vector<unsigned int>* RPCEve::xtdc_l_9_5

6.57.3.559 xtdc_l_9_6

std::vector<unsigned int>* RPCEve::xtdc_l_9_6

6.57.3.560 xtdc_l_9_7

std::vector<unsigned int>* RPCEve::xtdc_l_9_7

6.57.3.561 xtdc_t_0_0

std::vector<unsigned int>* RPCEve::xtdc_t_0_0

6.57.3.562 xtdc_t_0_1

std::vector<unsigned int>* RPCEve::xtdc_t_0_1

6.57.3.563 xtdc_t_0_2

std::vector<unsigned int>* RPCEve::xtdc_t_0_2

6.57.3.564 xtdc_t_0_3

std::vector<unsigned int>* RPCEve::xtdc_t_0_3

6.57.3.565 xtdc_t_0_4

std::vector<unsigned int>* RPCEve::xtdc_t_0_4

6.57.3.566 xtdc_t_0_5

std::vector<unsigned int>* RPCEve::xtdc_t_0_5

6.57.3.567 xtdc_t_0_6

std::vector<unsigned int>* RPCEve::xtdc_t_0_6

6.57.3.568 xtdc_t_0_7

std::vector<unsigned int>* RPCEve::xtdc_t_0_7

6.57.3.569 xtdc_t_10_0

std::vector<unsigned int>* RPCEve::xtdc_t_10_0

6.57.3.570 xtdc_t_10_1

std::vector<unsigned int>* RPCEve::xtdc_t_10_1

6.57.3.571 xtdc_t_10_2

std::vector<unsigned int>* RPCEve::xtdc_t_10_2

6.57.3.572 xtdc_t_10_3

std::vector<unsigned int>* RPCEve::xtdc_t_10_3

6.57.3.573 xtdc_t_10_4

`std::vector<unsigned int>* RPCEve::xtdc_t_10_4`

6.57.3.574 xtdc_t_10_5

`std::vector<unsigned int>* RPCEve::xtdc_t_10_5`

6.57.3.575 xtdc_t_10_6

`std::vector<unsigned int>* RPCEve::xtdc_t_10_6`

6.57.3.576 xtdc_t_10_7

`std::vector<unsigned int>* RPCEve::xtdc_t_10_7`

6.57.3.577 xtdc_t_11_0

`std::vector<unsigned int>* RPCEve::xtdc_t_11_0`

6.57.3.578 xtdc_t_11_1

`std::vector<unsigned int>* RPCEve::xtdc_t_11_1`

6.57.3.579 xtdc_t_11_2

`std::vector<unsigned int>* RPCEve::xtdc_t_11_2`

6.57.3.580 xtdc_t_11_3

`std::vector<unsigned int>* RPCEve::xtdc_t_11_3`

6.57.3.581 xtdc_t_11_4

`std::vector<unsigned int>* RPCEve::xtdc_t_11_4`

6.57.3.582 xtdc_t_11_5

`std::vector<unsigned int>* RPCEve::xtdc_t_11_5`

6.57.3.583 xtdc_t_11_6

`std::vector<unsigned int>* RPCEve::xtdc_t_11_6`

6.57.3.584 xtdc_t_11_7

`std::vector<unsigned int>* RPCEve::xtdc_t_11_7`

6.57.3.585 xtdc_t_1_0

`std::vector<unsigned int>* RPCEve::xtdc_t_1_0`

6.57.3.586 xtdc_t_1_1

`std::vector<unsigned int>* RPCEve::xtdc_t_1_1`

6.57.3.587 xtdc_t_1_2

`std::vector<unsigned int>* RPCEve::xtdc_t_1_2`

6.57.3.588 xtdc_t_1_3

`std::vector<unsigned int>* RPCEve::xtdc_t_1_3`

6.57.3.589 xtdc_t_1_4

`std::vector<unsigned int>* RPCEve::xtdc_t_1_4`

6.57.3.590 xtdc_t_1_5

`std::vector<unsigned int>* RPCEve::xtdc_t_1_5`

6.57.3.591 xtdc_t_1_6

`std::vector<unsigned int>* RPCEve::xtdc_t_1_6`

6.57.3.592 xtdc_t_1_7

`std::vector<unsigned int>* RPCEve::xtdc_t_1_7`

6.57.3.593 xtdc_t_2_0

`std::vector<unsigned int>* RPCEve::xtdc_t_2_0`

6.57.3.594 xtdc_t_2_1

`std::vector<unsigned int>* RPCEve::xtdc_t_2_1`

6.57.3.595 xtdc_t_2_2

`std::vector<unsigned int>* RPCEve::xtdc_t_2_2`

6.57.3.596 xtdc_t_2_3

`std::vector<unsigned int>* RPCEve::xtdc_t_2_3`

6.57.3.597 xtdc_t_2_4

```
std::vector<unsigned int>* RPCEve::xtdc_t_2_4
```

6.57.3.598 xtdc_t_2_5

```
std::vector<unsigned int>* RPCEve::xtdc_t_2_5
```

6.57.3.599 xtdc_t_2_6

```
std::vector<unsigned int>* RPCEve::xtdc_t_2_6
```

6.57.3.600 xtdc_t_2_7

```
std::vector<unsigned int>* RPCEve::xtdc_t_2_7
```

6.57.3.601 xtdc_t_3_0

```
std::vector<unsigned int>* RPCEve::xtdc_t_3_0
```

6.57.3.602 xtdc_t_3_1

```
std::vector<unsigned int>* RPCEve::xtdc_t_3_1
```

6.57.3.603 xtdc_t_3_2

```
std::vector<unsigned int>* RPCEve::xtdc_t_3_2
```

6.57.3.604 xtdc_t_3_3

```
std::vector<unsigned int>* RPCEve::xtdc_t_3_3
```

6.57.3.605 xtdc_t_3_4

`std::vector<unsigned int>* RPCEve::xtdc_t_3_4`

6.57.3.606 xtdc_t_3_5

`std::vector<unsigned int>* RPCEve::xtdc_t_3_5`

6.57.3.607 xtdc_t_3_6

`std::vector<unsigned int>* RPCEve::xtdc_t_3_6`

6.57.3.608 xtdc_t_3_7

`std::vector<unsigned int>* RPCEve::xtdc_t_3_7`

6.57.3.609 xtdc_t_4_0

`std::vector<unsigned int>* RPCEve::xtdc_t_4_0`

6.57.3.610 xtdc_t_4_1

`std::vector<unsigned int>* RPCEve::xtdc_t_4_1`

6.57.3.611 xtdc_t_4_2

`std::vector<unsigned int>* RPCEve::xtdc_t_4_2`

6.57.3.612 xtdc_t_4_3

`std::vector<unsigned int>* RPCEve::xtdc_t_4_3`

6.57.3.613 xtdc_t_4_4

```
std::vector<unsigned int>* RPCEve::xtdc_t_4_4
```

6.57.3.614 xtdc_t_4_5

```
std::vector<unsigned int>* RPCEve::xtdc_t_4_5
```

6.57.3.615 xtdc_t_4_6

```
std::vector<unsigned int>* RPCEve::xtdc_t_4_6
```

6.57.3.616 xtdc_t_4_7

```
std::vector<unsigned int>* RPCEve::xtdc_t_4_7
```

6.57.3.617 xtdc_t_5_0

```
std::vector<unsigned int>* RPCEve::xtdc_t_5_0
```

6.57.3.618 xtdc_t_5_1

```
std::vector<unsigned int>* RPCEve::xtdc_t_5_1
```

6.57.3.619 xtdc_t_5_2

```
std::vector<unsigned int>* RPCEve::xtdc_t_5_2
```

6.57.3.620 xtdc_t_5_3

```
std::vector<unsigned int>* RPCEve::xtdc_t_5_3
```

6.57.3.621 xtdc_t_5_4

```
std::vector<unsigned int>* RPCEve::xtdc_t_5_4
```

6.57.3.622 xtdc_t_5_5

```
std::vector<unsigned int>* RPCEve::xtdc_t_5_5
```

6.57.3.623 xtdc_t_5_6

```
std::vector<unsigned int>* RPCEve::xtdc_t_5_6
```

6.57.3.624 xtdc_t_5_7

```
std::vector<unsigned int>* RPCEve::xtdc_t_5_7
```

6.57.3.625 xtdc_t_6_0

```
std::vector<unsigned int>* RPCEve::xtdc_t_6_0
```

6.57.3.626 xtdc_t_6_1

```
std::vector<unsigned int>* RPCEve::xtdc_t_6_1
```

6.57.3.627 xtdc_t_6_2

```
std::vector<unsigned int>* RPCEve::xtdc_t_6_2
```

6.57.3.628 xtdc_t_6_3

```
std::vector<unsigned int>* RPCEve::xtdc_t_6_3
```

6.57.3.629 xtdc_t_6_4

`std::vector<unsigned int>* RPCEve::xtdc_t_6_4`

6.57.3.630 xtdc_t_6_5

`std::vector<unsigned int>* RPCEve::xtdc_t_6_5`

6.57.3.631 xtdc_t_6_6

`std::vector<unsigned int>* RPCEve::xtdc_t_6_6`

6.57.3.632 xtdc_t_6_7

`std::vector<unsigned int>* RPCEve::xtdc_t_6_7`

6.57.3.633 xtdc_t_7_0

`std::vector<unsigned int>* RPCEve::xtdc_t_7_0`

6.57.3.634 xtdc_t_7_1

`std::vector<unsigned int>* RPCEve::xtdc_t_7_1`

6.57.3.635 xtdc_t_7_2

`std::vector<unsigned int>* RPCEve::xtdc_t_7_2`

6.57.3.636 xtdc_t_7_3

`std::vector<unsigned int>* RPCEve::xtdc_t_7_3`

6.57.3.637 xtdc_t_7_4

`std::vector<unsigned int>* RPCEve::xtdc_t_7_4`

6.57.3.638 xtdc_t_7_5

`std::vector<unsigned int>* RPCEve::xtdc_t_7_5`

6.57.3.639 xtdc_t_7_6

`std::vector<unsigned int>* RPCEve::xtdc_t_7_6`

6.57.3.640 xtdc_t_7_7

`std::vector<unsigned int>* RPCEve::xtdc_t_7_7`

6.57.3.641 xtdc_t_8_0

`std::vector<unsigned int>* RPCEve::xtdc_t_8_0`

6.57.3.642 xtdc_t_8_1

`std::vector<unsigned int>* RPCEve::xtdc_t_8_1`

6.57.3.643 xtdc_t_8_2

`std::vector<unsigned int>* RPCEve::xtdc_t_8_2`

6.57.3.644 xtdc_t_8_3

`std::vector<unsigned int>* RPCEve::xtdc_t_8_3`

6.57.3.645 xtdc_t_8_4

`std::vector<unsigned int>* RPCEve::xtdc_t_8_4`

6.57.3.646 xtdc_t_8_5

`std::vector<unsigned int>* RPCEve::xtdc_t_8_5`

6.57.3.647 xtdc_t_8_6

`std::vector<unsigned int>* RPCEve::xtdc_t_8_6`

6.57.3.648 xtdc_t_8_7

`std::vector<unsigned int>* RPCEve::xtdc_t_8_7`

6.57.3.649 xtdc_t_9_0

`std::vector<unsigned int>* RPCEve::xtdc_t_9_0`

6.57.3.650 xtdc_t_9_1

`std::vector<unsigned int>* RPCEve::xtdc_t_9_1`

6.57.3.651 xtdc_t_9_2

`std::vector<unsigned int>* RPCEve::xtdc_t_9_2`

6.57.3.652 xtdc_t_9_3

`std::vector<unsigned int>* RPCEve::xtdc_t_9_3`

6.57.3.653 xtdc_t_9_4

`std::vector<unsigned int>* RPCEve::xtdc_t_9_4`

6.57.3.654 xtdc_t_9_5

`std::vector<unsigned int>* RPCEve::xtdc_t_9_5`

6.57.3.655 xtdc_t_9_6

`std::vector<unsigned int>* RPCEve::xtdc_t_9_6`

6.57.3.656 xtdc_t_9_7

`std::vector<unsigned int>* RPCEve::xtdc_t_9_7`

6.57.3.657 yLayer

`TBits* RPCEve::yLayer[NL]`

6.57.3.658 ystriphitsL0

`TBits* RPCEve::ystriphitsL0`

6.57.3.659 ystriphitsL1

`TBits* RPCEve::ystriphitsL1`

6.57.3.660 ystriphitsL10

`TBits* RPCEve::ystriphitsL10`

6.57.3.661 ystriphitsL11

```
TBits* RPCEve::ystriphitsL11
```

6.57.3.662 ystriphitsL2

```
TBits* RPCEve::ystriphitsL2
```

6.57.3.663 ystriphitsL3

```
TBits* RPCEve::ystriphitsL3
```

6.57.3.664 ystriphitsL4

```
TBits* RPCEve::ystriphitsL4
```

6.57.3.665 ystriphitsL5

```
TBits* RPCEve::ystriphitsL5
```

6.57.3.666 ystriphitsL6

```
TBits* RPCEve::ystriphitsL6
```

6.57.3.667 ystriphitsL7

```
TBits* RPCEve::ystriphitsL7
```

6.57.3.668 ystriphitsL8

```
TBits* RPCEve::ystriphitsL8
```

6.57.3.669 ystriphitsL9

`TBits* RPCEve::ystriphitsL9`

6.57.3.670 ytdc_l_0_0

`std::vector<unsigned int>* RPCEve::ytdc_l_0_0`

6.57.3.671 ytdc_l_0_1

`std::vector<unsigned int>* RPCEve::ytdc_l_0_1`

6.57.3.672 ytdc_l_0_2

`std::vector<unsigned int>* RPCEve::ytdc_l_0_2`

6.57.3.673 ytdc_l_0_3

`std::vector<unsigned int>* RPCEve::ytdc_l_0_3`

6.57.3.674 ytdc_l_0_4

`std::vector<unsigned int>* RPCEve::ytdc_l_0_4`

6.57.3.675 ytdc_l_0_5

`std::vector<unsigned int>* RPCEve::ytdc_l_0_5`

6.57.3.676 ytdc_l_0_6

`std::vector<unsigned int>* RPCEve::ytdc_l_0_6`

6.57.3.677 ytdc_l_0_7

```
std::vector<unsigned int>* RPCEve::ytdc_l_0_7
```

6.57.3.678 ytdc_l_10_0

```
std::vector<unsigned int>* RPCEve::ytdc_l_10_0
```

6.57.3.679 ytdc_l_10_1

```
std::vector<unsigned int>* RPCEve::ytdc_l_10_1
```

6.57.3.680 ytdc_l_10_2

```
std::vector<unsigned int>* RPCEve::ytdc_l_10_2
```

6.57.3.681 ytdc_l_10_3

```
std::vector<unsigned int>* RPCEve::ytdc_l_10_3
```

6.57.3.682 ytdc_l_10_4

```
std::vector<unsigned int>* RPCEve::ytdc_l_10_4
```

6.57.3.683 ytdc_l_10_5

```
std::vector<unsigned int>* RPCEve::ytdc_l_10_5
```

6.57.3.684 ytdc_l_10_6

```
std::vector<unsigned int>* RPCEve::ytdc_l_10_6
```

6.57.3.685 ytdc_l_10_7

```
std::vector<unsigned int>* RPCEve::ytdc_l_10_7
```

6.57.3.686 ytdc_l_11_0

```
std::vector<unsigned int>* RPCEve::ytdc_l_11_0
```

6.57.3.687 ytdc_l_11_1

```
std::vector<unsigned int>* RPCEve::ytdc_l_11_1
```

6.57.3.688 ytdc_l_11_2

```
std::vector<unsigned int>* RPCEve::ytdc_l_11_2
```

6.57.3.689 ytdc_l_11_3

```
std::vector<unsigned int>* RPCEve::ytdc_l_11_3
```

6.57.3.690 ytdc_l_11_4

```
std::vector<unsigned int>* RPCEve::ytdc_l_11_4
```

6.57.3.691 ytdc_l_11_5

```
std::vector<unsigned int>* RPCEve::ytdc_l_11_5
```

6.57.3.692 ytdc_l_11_6

```
std::vector<unsigned int>* RPCEve::ytdc_l_11_6
```

6.57.3.693 ytdc_l_11_7

```
std::vector<unsigned int>* RPCEve::ytdc_l_11_7
```

6.57.3.694 ytdc_l_1_0

```
std::vector<unsigned int>* RPCEve::ytdc_l_1_0
```

6.57.3.695 ytdc_l_1_1

```
std::vector<unsigned int>* RPCEve::ytdc_l_1_1
```

6.57.3.696 ytdc_l_1_2

```
std::vector<unsigned int>* RPCEve::ytdc_l_1_2
```

6.57.3.697 ytdc_l_1_3

```
std::vector<unsigned int>* RPCEve::ytdc_l_1_3
```

6.57.3.698 ytdc_l_1_4

```
std::vector<unsigned int>* RPCEve::ytdc_l_1_4
```

6.57.3.699 ytdc_l_1_5

```
std::vector<unsigned int>* RPCEve::ytdc_l_1_5
```

6.57.3.700 ytdc_l_1_6

```
std::vector<unsigned int>* RPCEve::ytdc_l_1_6
```

6.57.3.701 ytdc_l_1_7

`std::vector<unsigned int>* RPCEve::ytdc_l_1_7`

6.57.3.702 ytdc_l_2_0

`std::vector<unsigned int>* RPCEve::ytdc_l_2_0`

6.57.3.703 ytdc_l_2_1

`std::vector<unsigned int>* RPCEve::ytdc_l_2_1`

6.57.3.704 ytdc_l_2_2

`std::vector<unsigned int>* RPCEve::ytdc_l_2_2`

6.57.3.705 ytdc_l_2_3

`std::vector<unsigned int>* RPCEve::ytdc_l_2_3`

6.57.3.706 ytdc_l_2_4

`std::vector<unsigned int>* RPCEve::ytdc_l_2_4`

6.57.3.707 ytdc_l_2_5

`std::vector<unsigned int>* RPCEve::ytdc_l_2_5`

6.57.3.708 ytdc_l_2_6

`std::vector<unsigned int>* RPCEve::ytdc_l_2_6`

6.57.3.709 ytdc_l_2_7

```
std::vector<unsigned int>* RPCEve::ytdc_l_2_7
```

6.57.3.710 ytdc_l_3_0

```
std::vector<unsigned int>* RPCEve::ytdc_l_3_0
```

6.57.3.711 ytdc_l_3_1

```
std::vector<unsigned int>* RPCEve::ytdc_l_3_1
```

6.57.3.712 ytdc_l_3_2

```
std::vector<unsigned int>* RPCEve::ytdc_l_3_2
```

6.57.3.713 ytdc_l_3_3

```
std::vector<unsigned int>* RPCEve::ytdc_l_3_3
```

6.57.3.714 ytdc_l_3_4

```
std::vector<unsigned int>* RPCEve::ytdc_l_3_4
```

6.57.3.715 ytdc_l_3_5

```
std::vector<unsigned int>* RPCEve::ytdc_l_3_5
```

6.57.3.716 ytdc_l_3_6

```
std::vector<unsigned int>* RPCEve::ytdc_l_3_6
```

6.57.3.717 ytdc_l_3_7

```
std::vector<unsigned int>* RPCEve::ytdc_l_3_7
```

6.57.3.718 ytdc_l_4_0

```
std::vector<unsigned int>* RPCEve::ytdc_l_4_0
```

6.57.3.719 ytdc_l_4_1

```
std::vector<unsigned int>* RPCEve::ytdc_l_4_1
```

6.57.3.720 ytdc_l_4_2

```
std::vector<unsigned int>* RPCEve::ytdc_l_4_2
```

6.57.3.721 ytdc_l_4_3

```
std::vector<unsigned int>* RPCEve::ytdc_l_4_3
```

6.57.3.722 ytdc_l_4_4

```
std::vector<unsigned int>* RPCEve::ytdc_l_4_4
```

6.57.3.723 ytdc_l_4_5

```
std::vector<unsigned int>* RPCEve::ytdc_l_4_5
```

6.57.3.724 ytdc_l_4_6

```
std::vector<unsigned int>* RPCEve::ytdc_l_4_6
```

6.57.3.725 ytdc_l_4_7

```
std::vector<unsigned int>* RPCEve::ytdc_l_4_7
```

6.57.3.726 ytdc_l_5_0

```
std::vector<unsigned int>* RPCEve::ytdc_l_5_0
```

6.57.3.727 ytdc_l_5_1

```
std::vector<unsigned int>* RPCEve::ytdc_l_5_1
```

6.57.3.728 ytdc_l_5_2

```
std::vector<unsigned int>* RPCEve::ytdc_l_5_2
```

6.57.3.729 ytdc_l_5_3

```
std::vector<unsigned int>* RPCEve::ytdc_l_5_3
```

6.57.3.730 ytdc_l_5_4

```
std::vector<unsigned int>* RPCEve::ytdc_l_5_4
```

6.57.3.731 ytdc_l_5_5

```
std::vector<unsigned int>* RPCEve::ytdc_l_5_5
```

6.57.3.732 ytdc_l_5_6

```
std::vector<unsigned int>* RPCEve::ytdc_l_5_6
```

6.57.3.733 ytdc_l_5_7

`std::vector<unsigned int>* RPCEve::ytdc_l_5_7`

6.57.3.734 ytdc_l_6_0

`std::vector<unsigned int>* RPCEve::ytdc_l_6_0`

6.57.3.735 ytdc_l_6_1

`std::vector<unsigned int>* RPCEve::ytdc_l_6_1`

6.57.3.736 ytdc_l_6_2

`std::vector<unsigned int>* RPCEve::ytdc_l_6_2`

6.57.3.737 ytdc_l_6_3

`std::vector<unsigned int>* RPCEve::ytdc_l_6_3`

6.57.3.738 ytdc_l_6_4

`std::vector<unsigned int>* RPCEve::ytdc_l_6_4`

6.57.3.739 ytdc_l_6_5

`std::vector<unsigned int>* RPCEve::ytdc_l_6_5`

6.57.3.740 ytdc_l_6_6

`std::vector<unsigned int>* RPCEve::ytdc_l_6_6`

6.57.3.741 ytdc_l_6_7

`std::vector<unsigned int>* RPCEve::ytdc_l_6_7`

6.57.3.742 ytdc_l_7_0

`std::vector<unsigned int>* RPCEve::ytdc_l_7_0`

6.57.3.743 ytdc_l_7_1

`std::vector<unsigned int>* RPCEve::ytdc_l_7_1`

6.57.3.744 ytdc_l_7_2

`std::vector<unsigned int>* RPCEve::ytdc_l_7_2`

6.57.3.745 ytdc_l_7_3

`std::vector<unsigned int>* RPCEve::ytdc_l_7_3`

6.57.3.746 ytdc_l_7_4

`std::vector<unsigned int>* RPCEve::ytdc_l_7_4`

6.57.3.747 ytdc_l_7_5

`std::vector<unsigned int>* RPCEve::ytdc_l_7_5`

6.57.3.748 ytdc_l_7_6

`std::vector<unsigned int>* RPCEve::ytdc_l_7_6`

6.57.3.749   ytdc_l_7_7

```
std::vector<unsigned int>* RPCEve::ytdc_l_7_7
```

6.57.3.750   ytdc_l_8_0

```
std::vector<unsigned int>* RPCEve::ytdc_l_8_0
```

6.57.3.751   ytdc_l_8_1

```
std::vector<unsigned int>* RPCEve::ytdc_l_8_1
```

6.57.3.752   ytdc_l_8_2

```
std::vector<unsigned int>* RPCEve::ytdc_l_8_2
```

6.57.3.753   ytdc_l_8_3

```
std::vector<unsigned int>* RPCEve::ytdc_l_8_3
```

6.57.3.754   ytdc_l_8_4

```
std::vector<unsigned int>* RPCEve::ytdc_l_8_4
```

6.57.3.755   ytdc_l_8_5

```
std::vector<unsigned int>* RPCEve::ytdc_l_8_5
```

6.57.3.756   ytdc_l_8_6

```
std::vector<unsigned int>* RPCEve::ytdc_l_8_6
```

6.57.3.757 ytdc_l_8_7

std::vector<unsigned int>* RPCEve::ytdc_l_8_7

6.57.3.758 ytdc_l_9_0

std::vector<unsigned int>* RPCEve::ytdc_l_9_0

6.57.3.759 ytdc_l_9_1

std::vector<unsigned int>* RPCEve::ytdc_l_9_1

6.57.3.760 ytdc_l_9_2

std::vector<unsigned int>* RPCEve::ytdc_l_9_2

6.57.3.761 ytdc_l_9_3

std::vector<unsigned int>* RPCEve::ytdc_l_9_3

6.57.3.762 ytdc_l_9_4

std::vector<unsigned int>* RPCEve::ytdc_l_9_4

6.57.3.763 ytdc_l_9_5

std::vector<unsigned int>* RPCEve::ytdc_l_9_5

6.57.3.764 ytdc_l_9_6

std::vector<unsigned int>* RPCEve::ytdc_l_9_6

6.57.3.765 ytdc_l_9_7

`std::vector<unsigned int>* RPCEve::ytdc_l_9_7`

6.57.3.766 ytdc_t_0_0

`std::vector<unsigned int>* RPCEve::ytdc_t_0_0`

6.57.3.767 ytdc_t_0_1

`std::vector<unsigned int>* RPCEve::ytdc_t_0_1`

6.57.3.768 ytdc_t_0_2

`std::vector<unsigned int>* RPCEve::ytdc_t_0_2`

6.57.3.769 ytdc_t_0_3

`std::vector<unsigned int>* RPCEve::ytdc_t_0_3`

6.57.3.770 ytdc_t_0_4

`std::vector<unsigned int>* RPCEve::ytdc_t_0_4`

6.57.3.771 ytdc_t_0_5

`std::vector<unsigned int>* RPCEve::ytdc_t_0_5`

6.57.3.772 ytdc_t_0_6

`std::vector<unsigned int>* RPCEve::ytdc_t_0_6`

6.57.3.773 ytdc_t_0_7

```
std::vector<unsigned int>* RPCEve::ytdc_t_0_7
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6.57.3.774 ytdc_t_10_0

```
std::vector<unsigned int>* RPCEve::ytdc_t_10_0
```

6.57.3.775 ytdc_t_10_1

```
std::vector<unsigned int>* RPCEve::ytdc_t_10_1
```

6.57.3.776 ytdc_t_10_2

```
std::vector<unsigned int>* RPCEve::ytdc_t_10_2
```

6.57.3.777 ytdc_t_10_3

```
std::vector<unsigned int>* RPCEve::ytdc_t_10_3
```

6.57.3.778 ytdc_t_10_4

```
std::vector<unsigned int>* RPCEve::ytdc_t_10_4
```

6.57.3.779 ytdc_t_10_5

```
std::vector<unsigned int>* RPCEve::ytdc_t_10_5
```

6.57.3.780 ytdc_t_10_6

```
std::vector<unsigned int>* RPCEve::ytdc_t_10_6
```

6.57.3.781 ytdc_t_10_7

```
std::vector<unsigned int>* RPCEve::ytdc_t_10_7
```

6.57.3.782 ytdc_t_11_0

```
std::vector<unsigned int>* RPCEve::ytdc_t_11_0
```

6.57.3.783 ytdc_t_11_1

```
std::vector<unsigned int>* RPCEve::ytdc_t_11_1
```

6.57.3.784 ytdc_t_11_2

```
std::vector<unsigned int>* RPCEve::ytdc_t_11_2
```

6.57.3.785 ytdc_t_11_3

```
std::vector<unsigned int>* RPCEve::ytdc_t_11_3
```

6.57.3.786 ytdc_t_11_4

```
std::vector<unsigned int>* RPCEve::ytdc_t_11_4
```

6.57.3.787 ytdc_t_11_5

```
std::vector<unsigned int>* RPCEve::ytdc_t_11_5
```

6.57.3.788 ytdc_t_11_6

```
std::vector<unsigned int>* RPCEve::ytdc_t_11_6
```

6.57.3.789 ytdc_t_11_7

`std::vector<unsigned int>* RPCEve::ytdc_t_11_7`

6.57.3.790 ytdc_t_1_0

`std::vector<unsigned int>* RPCEve::ytdc_t_1_0`

6.57.3.791 ytdc_t_1_1

`std::vector<unsigned int>* RPCEve::ytdc_t_1_1`

6.57.3.792 ytdc_t_1_2

`std::vector<unsigned int>* RPCEve::ytdc_t_1_2`

6.57.3.793 ytdc_t_1_3

`std::vector<unsigned int>* RPCEve::ytdc_t_1_3`

6.57.3.794 ytdc_t_1_4

`std::vector<unsigned int>* RPCEve::ytdc_t_1_4`

6.57.3.795 ytdc_t_1_5

`std::vector<unsigned int>* RPCEve::ytdc_t_1_5`

6.57.3.796 ytdc_t_1_6

`std::vector<unsigned int>* RPCEve::ytdc_t_1_6`

6.57.3.797 ytdc_t_1_7

```
std::vector<unsigned int>* RPCEve::ytdc_t_1_7
```

6.57.3.798 ytdc_t_2_0

```
std::vector<unsigned int>* RPCEve::ytdc_t_2_0
```

6.57.3.799 ytdc_t_2_1

```
std::vector<unsigned int>* RPCEve::ytdc_t_2_1
```

6.57.3.800 ytdc_t_2_2

```
std::vector<unsigned int>* RPCEve::ytdc_t_2_2
```

6.57.3.801 ytdc_t_2_3

```
std::vector<unsigned int>* RPCEve::ytdc_t_2_3
```

6.57.3.802 ytdc_t_2_4

```
std::vector<unsigned int>* RPCEve::ytdc_t_2_4
```

6.57.3.803 ytdc_t_2_5

```
std::vector<unsigned int>* RPCEve::ytdc_t_2_5
```

6.57.3.804 ytdc_t_2_6

```
std::vector<unsigned int>* RPCEve::ytdc_t_2_6
```

6.57.3.805 ytdc_t_2_7

`std::vector<unsigned int>* RPCEve::ytdc_t_2_7`

6.57.3.806 ytdc_t_3_0

`std::vector<unsigned int>* RPCEve::ytdc_t_3_0`

6.57.3.807 ytdc_t_3_1

`std::vector<unsigned int>* RPCEve::ytdc_t_3_1`

6.57.3.808 ytdc_t_3_2

`std::vector<unsigned int>* RPCEve::ytdc_t_3_2`

6.57.3.809 ytdc_t_3_3

`std::vector<unsigned int>* RPCEve::ytdc_t_3_3`

6.57.3.810 ytdc_t_3_4

`std::vector<unsigned int>* RPCEve::ytdc_t_3_4`

6.57.3.811 ytdc_t_3_5

`std::vector<unsigned int>* RPCEve::ytdc_t_3_5`

6.57.3.812 ytdc_t_3_6

`std::vector<unsigned int>* RPCEve::ytdc_t_3_6`

6.57.3.813 ytdc_t_3_7

```
std::vector<unsigned int>* RPCEve::ytdc_t_3_7
```

6.57.3.814 ytdc_t_4_0

```
std::vector<unsigned int>* RPCEve::ytdc_t_4_0
```

6.57.3.815 ytdc_t_4_1

```
std::vector<unsigned int>* RPCEve::ytdc_t_4_1
```

6.57.3.816 ytdc_t_4_2

```
std::vector<unsigned int>* RPCEve::ytdc_t_4_2
```

6.57.3.817 ytdc_t_4_3

```
std::vector<unsigned int>* RPCEve::ytdc_t_4_3
```

6.57.3.818 ytdc_t_4_4

```
std::vector<unsigned int>* RPCEve::ytdc_t_4_4
```

6.57.3.819 ytdc_t_4_5

```
std::vector<unsigned int>* RPCEve::ytdc_t_4_5
```

6.57.3.820 ytdc_t_4_6

```
std::vector<unsigned int>* RPCEve::ytdc_t_4_6
```

6.57.3.821 ytdc_t_4_7

std::vector<unsigned int>* RPCEve::ytdc_t_4_7

6.57.3.822 ytdc_t_5_0

std::vector<unsigned int>* RPCEve::ytdc_t_5_0

6.57.3.823 ytdc_t_5_1

std::vector<unsigned int>* RPCEve::ytdc_t_5_1

6.57.3.824 ytdc_t_5_2

std::vector<unsigned int>* RPCEve::ytdc_t_5_2

6.57.3.825 ytdc_t_5_3

std::vector<unsigned int>* RPCEve::ytdc_t_5_3

6.57.3.826 ytdc_t_5_4

std::vector<unsigned int>* RPCEve::ytdc_t_5_4

6.57.3.827 ytdc_t_5_5

std::vector<unsigned int>* RPCEve::ytdc_t_5_5

6.57.3.828 ytdc_t_5_6

std::vector<unsigned int>* RPCEve::ytdc_t_5_6

6.57.3.829 ytdc_t_5_7

```
std::vector<unsigned int>* RPCEve::ytdc_t_5_7
```

6.57.3.830 ytdc_t_6_0

```
std::vector<unsigned int>* RPCEve::ytdc_t_6_0
```

6.57.3.831 ytdc_t_6_1

```
std::vector<unsigned int>* RPCEve::ytdc_t_6_1
```

6.57.3.832 ytdc_t_6_2

```
std::vector<unsigned int>* RPCEve::ytdc_t_6_2
```

6.57.3.833 ytdc_t_6_3

```
std::vector<unsigned int>* RPCEve::ytdc_t_6_3
```

6.57.3.834 ytdc_t_6_4

```
std::vector<unsigned int>* RPCEve::ytdc_t_6_4
```

6.57.3.835 ytdc_t_6_5

```
std::vector<unsigned int>* RPCEve::ytdc_t_6_5
```

6.57.3.836 ytdc_t_6_6

```
std::vector<unsigned int>* RPCEve::ytdc_t_6_6
```

6.57.3.837 ytdc_t_6_7

`std::vector<unsigned int>* RPCEve::ytdc_t_6_7`

6.57.3.838 ytdc_t_7_0

`std::vector<unsigned int>* RPCEve::ytdc_t_7_0`

6.57.3.839 ytdc_t_7_1

`std::vector<unsigned int>* RPCEve::ytdc_t_7_1`

6.57.3.840 ytdc_t_7_2

`std::vector<unsigned int>* RPCEve::ytdc_t_7_2`

6.57.3.841 ytdc_t_7_3

`std::vector<unsigned int>* RPCEve::ytdc_t_7_3`

6.57.3.842 ytdc_t_7_4

`std::vector<unsigned int>* RPCEve::ytdc_t_7_4`

6.57.3.843 ytdc_t_7_5

`std::vector<unsigned int>* RPCEve::ytdc_t_7_5`

6.57.3.844 ytdc_t_7_6

`std::vector<unsigned int>* RPCEve::ytdc_t_7_6`

6.57.3.845 ytdc_t_7_7

`std::vector<unsigned int>* RPCEve::ytdc_t_7_7`

6.57.3.846 ytdc_t_8_0

`std::vector<unsigned int>* RPCEve::ytdc_t_8_0`

6.57.3.847 ytdc_t_8_1

`std::vector<unsigned int>* RPCEve::ytdc_t_8_1`

6.57.3.848 ytdc_t_8_2

`std::vector<unsigned int>* RPCEve::ytdc_t_8_2`

6.57.3.849 ytdc_t_8_3

`std::vector<unsigned int>* RPCEve::ytdc_t_8_3`

6.57.3.850 ytdc_t_8_4

`std::vector<unsigned int>* RPCEve::ytdc_t_8_4`

6.57.3.851 ytdc_t_8_5

`std::vector<unsigned int>* RPCEve::ytdc_t_8_5`

6.57.3.852 ytdc_t_8_6

`std::vector<unsigned int>* RPCEve::ytdc_t_8_6`

6.57.3.853 ytdc_t_8_7

```
std::vector<unsigned int>* RPCEve::ytdc_t_8_7
```

6.57.3.854 ytdc_t_9_0

```
std::vector<unsigned int>* RPCEve::ytdc_t_9_0
```

6.57.3.855 ytdc_t_9_1

```
std::vector<unsigned int>* RPCEve::ytdc_t_9_1
```

6.57.3.856 ytdc_t_9_2

```
std::vector<unsigned int>* RPCEve::ytdc_t_9_2
```

6.57.3.857 ytdc_t_9_3

```
std::vector<unsigned int>* RPCEve::ytdc_t_9_3
```

6.57.3.858 ytdc_t_9_4

```
std::vector<unsigned int>* RPCEve::ytdc_t_9_4
```

6.57.3.859 ytdc_t_9_5

```
std::vector<unsigned int>* RPCEve::ytdc_t_9_5
```

6.57.3.860 ytdc_t_9_6

```
std::vector<unsigned int>* RPCEve::ytdc_t_9_6
```

6.57.3.861 ytdc_t_9_7

```
std::vector<unsigned int>* RPCEve::ytdc_t_9_7
```

The documentation for this class was generated from the following files:

- inc/RPCEve.h
- src/RPCEve.cc

6.58 SipmHit Class Reference

```
#include <SipmHit.h>
```

Public Member Functions

- SipmHit ()
- SipmHit (SipmHit ∗cd)
- SipmHit (CmvStrip ∗str, int Sipm)
- ∼SipmHit ()
- SipmHit ∗ DupHandle () const
- void Print ()
- void Trace (const char ∗c="") const
- int GetpdgId () const
- int GetId () const
- int GetStripId () const
- int GetPlane () const
- int GetLayer () const
- int GetStrip () const
- int GetSiPM () const
- double GetXPos () const
- double GetYPos () const
- double GetZPos () const
- double GetXLocPos () const
- double GetYLocPos () const
- double GetZLocPos () const
- int GetTimePulse () const
- int GetTime () const
- int GetPulse () const
- double GetSimMom () const
- double GetSimThe () const
- double GetSimPhi () const
- bool GetUsed () const
- void SetpdgId (int ipdg)
- void SetId (int id)
- void SetXPos (double fd)
- void SetYPos (double fd)
- void SetZPos (double fd)
- void SetXLocPos (double fd)
- void SetYLocPos (double fd)
- void SetZLocPos (double fd)
- void SetTimePulse (int fd)
- void SetTime (int fd)
- void SetPulse (int fd)
- void SetSimMom (double fd)
- void SetSimThe (double fd)
- void SetSimPhi (double fd)
- void Update (int edep, int time)
- void SetUsed (bool fd)

Public Attributes

- int fSipmId
- int fpdgSipm
- double fXPos
- double fYPos
- double fZPos
- double fXLocPos
- double fYLocPos
- double fZLocPos
- int iTimePulse
- double fSimMom
- double fSimThe
- double fSimPhi
- bool isUsed

6.58.1 Constructor & Destructor Documentation

6.58.1.1 SipmHit() [1/3]

```
SipmHit::SipmHit ( )
```

6.58.1.2 SipmHit() [2/3]

```
SipmHit::SipmHit (
            SipmHit * cd )
```

6.58.1.3 SipmHit() [3/3]

```
SipmHit::SipmHit (
            CmvStrip * str,
            int Sipm )
```

6.58.1.4 ∼SipmHit()

```
SipmHit::∼SipmHit ( )
```

6.58.2 Member Function Documentation

6.58.2.1 DupHandle()

[SipmHit](#) * SipmHit::DupHandle ( ) const

6.58.2.2 GetId()

int SipmHit::GetId ( ) const [inline]

6.58.2.3 GetLayer()

int SipmHit::GetLayer ( ) const [inline]

6.58.2.4 GetpdgId()

int SipmHit::GetpdgId ( ) const [inline]

6.58.2.5 GetPlane()

int SipmHit::GetPlane ( ) const [inline]

6.58.2.6 GetPulse()

int SipmHit::GetPulse ( ) const [inline]

6.58.2.7 GetSimMom()

double SipmHit::GetSimMom ( ) const [inline]

6.58.2.8 GetSimPhi()

double SipmHit::GetSimPhi ( ) const [inline]

6.58.2.9 GetSimThe()

```
double SipmHit::GetSimThe ( ) const [inline]
```

6.58.2.10 GetSiPM()

```
int SipmHit::GetSiPM ( ) const [inline]
```

6.58.2.11 GetStrip()

```
int SipmHit::GetStrip ( ) const [inline]
```

6.58.2.12 GetStripId()

```
int SipmHit::GetStripId ( ) const [inline]
```

6.58.2.13 GetTime()

```
int SipmHit::GetTime ( ) const [inline]
```

6.58.2.14 GetTimePulse()

```
int SipmHit::GetTimePulse ( ) const [inline]
```

6.58.2.15 GetUsed()

```
bool SipmHit::GetUsed ( ) const [inline]
```

6.58.2.16 GetXLocPos()

```
double SipmHit::GetXLocPos ( ) const [inline]
```

6.58.2.17 GetXPos()

```
double SipmHit::GetXPos ( ) const  [inline]
```

6.58.2.18 GetYLocPos()

```
double SipmHit::GetYLocPos ( ) const  [inline]
```

6.58.2.19 GetYPos()

```
double SipmHit::GetYPos ( ) const  [inline]
```

6.58.2.20 GetZLocPos()

```
double SipmHit::GetZLocPos ( ) const  [inline]
```

6.58.2.21 GetZPos()

```
double SipmHit::GetZPos ( ) const  [inline]
```

6.58.2.22 Print()

```
void SipmHit::Print ( )
```

6.58.2.23 SetId()

```
void SipmHit::SetId (
            int id ) [inline]
```

6.58.2.24 SetpdgId()

```
void SipmHit::SetpdgId (
            int ipdg ) [inline]
```

6.58.2.25 SetPulse()

```
void SipmHit::SetPulse (
            int fd ) [inline]
```

6.58.2.26 SetSimMom()

```
void SipmHit::SetSimMom (
            double fd ) [inline]
```

6.58.2.27 SetSimPhi()

```
void SipmHit::SetSimPhi (
            double fd ) [inline]
```

6.58.2.28 SetSimThe()

```
void SipmHit::SetSimThe (
            double fd ) [inline]
```

6.58.2.29 SetTime()

```
void SipmHit::SetTime (
            int fd ) [inline]
```

6.58.2.30 SetTimePulse()

```
void SipmHit::SetTimePulse (
            int fd ) [inline]
```

6.58.2.31 SetUsed()

```
void SipmHit::SetUsed (
            bool fd ) [inline]
```

6.58.2.32 SetXLocPos()

```
void SipmHit::SetXLocPos (
            double fd ) [inline]
```

6.58.2.33 SetXPos()

```
void SipmHit::SetXPos (
            double fd ) [inline]
```

6.58.2.34 SetYLocPos()

```
void SipmHit::SetYLocPos (
            double fd ) [inline]
```

6.58.2.35 SetYPos()

```
void SipmHit::SetYPos (
            double fd ) [inline]
```

6.58.2.36 SetZLocPos()

```
void SipmHit::SetZLocPos (
            double fd ) [inline]
```

6.58.2.37 SetZPos()

```
void SipmHit::SetZPos (
            double fd ) [inline]
```

6.58.2.38 Trace()

```
void SipmHit::Trace (
            const char ∗ c = "" ) const
```

6.58.2.39 Update()

```
void SipmHit::Update (
            int edep,
            int time )
```

6.58.3 Member Data Documentation

6.58.3.1 fpdgSipm

```
int SipmHit::fpdgSipm
```

6.58.3.2 fSimMom

```
double SipmHit::fSimMom
```

6.58.3.3 fSimPhi

```
double SipmHit::fSimPhi
```

6.58.3.4 fSimThe

```
double SipmHit::fSimThe
```

6.58.3.5 fSipmId

```
int SipmHit::fSipmId
```

6.58.3.6 fXLocPos

```
double SipmHit::fXLocPos
```

6.58.3.7 fXPos

```
double SipmHit::fXPos
```

6.58.3.8 fYLocPos

```
double SipmHit::fYLocPos
```

6.58.3.9 fYPos

```
double SipmHit::fYPos
```

6.58.3.10 fZLocPos

```
double SipmHit::fZLocPos
```

6.58.3.11 fZPos

```
double SipmHit::fZPos
```

6.58.3.12 isUsed

```
bool SipmHit::isUsed
```

6.58.3.13 iTimePulse

```
int SipmHit::iTimePulse
```

The documentation for this class was generated from the following files:

- inc/SipmHit.h
- src/SipmHit.cc

6.59 SipmHit_Manager Class Reference

```
#include <vect_manager.h>
```

Collaboration diagram for SipmHit_Manager:

Public Member Functions

- SipmHit_Manager ()
- ∼SipmHit_Manager ()

Public Attributes

- vector< SipmHit ∗ > SipmHit_list

Static Public Attributes

- static SipmHit_Manager ∗ APointer

6.59.1 Constructor & Destructor Documentation

6.59.1.1 SipmHit_Manager()

```
SipmHit_Manager::SipmHit_Manager ( )
```

6.59.1.2 ∼SipmHit_Manager()

```
SipmHit_Manager::∼SipmHit_Manager ( )
```

6.59.2 Member Data Documentation

6.59.2.1 APointer

```
SipmHit_Manager * SipmHit_Manager::APointer [static]
```

6.59.2.2 SipmHit_list

```
vector<SipmHit*> SipmHit_Manager::SipmHit_list
```

The documentation for this class was generated from the following files:

- inc/vect_manager.h
- src/vect_manager.cc

6.60 StraightLineFit Class Reference

```
#include <StraightLineFit.h>
```

Public Member Functions

- StraightLineFit ()
- StraightLineFit (int type, double ∗xv, double ∗yv, double ∗ye, bool ∗used, int occu, int occu2, int first, int last, float mxdev)
- void GetParameters (int &isfailed, double &a, double &b)
- void GetError (double &lerr, double &slperr, double &cov)
- void GetChisqure (int &ndof, double &chis)
- void GetFitValues (double ∗exp, double ∗valx, double ∗dev, double ∗experr)
- int GetLayerIds ()
- double GetSlope2 ()
- ∼StraightLineFit ()

6.60.1 Constructor & Destructor Documentation

6.60.1.1 StraightLineFit() [1/2]

```
StraightLineFit::StraightLineFit ( )
```

6.60.1.2 StraightLineFit() [2/2]

```
StraightLineFit::StraightLineFit (
            int type,
            double * xv,
            double * yv,
            double * ye,
            bool * used,
            int occu,
            int occu2,
            int first,
            int last,
            float mxdev )
```

6.60.1.3 ∼StraightLineFit()

```
StraightLineFit::∼StraightLineFit ( ) [inline]
```

6.60.2 Member Function Documentation

6.60.2.1 GetChisqure()

```
void StraightLineFit::GetChisqure (
            int & ndof,
            double & chis )
```

6.60.2.2 GetError()

```
void StraightLineFit::GetError (
            double & lerr,
            double & slperr,
            double & cov )
```

6.60.2.3 GetFitValues()

```
void StraightLineFit::GetFitValues (
            double * exp,
            double * valx,
            double * dev,
            double * experr )
```

6.60.2.4 GetLayerIds()

```
int StraightLineFit::GetLayerIds ( )  [inline]
```

6.60.2.5 GetParameters()

```
void StraightLineFit::GetParameters (
            int & isfailed,
            double & a,
            double & b )
```

6.60.2.6 GetSlope2()

```
double StraightLineFit::GetSlope2 ( )  [inline]
```

The documentation for this class was generated from the following files:

- inc/StraightLineFit.h
- src/StraightLineFit.cc

6.61 SwimParticle Class Reference

```
#include <SwimParticle.h>
```

Public Member Functions

- SwimParticle ()
- virtual ∼SwimParticle ()
- SwimParticle (const TVector3 position, const TVector3 momentum, double mass=0.105658357, double charge=-1.0)
- const TVector3 GetInitPosition () const
- const TVector3 GetPosition () const
- const TVector3 GetMomentum () const
- TVector3 GetDirection () const
- double GetMomentumModulus () const
- double GetEnergy () const
- double GetMass () const
- double GetCharge () const
- double GetS () const
- double GetRange () const
- double GetVxB () const
- void SetPosition (const TVector3 position)
- void SetMomentum (const TVector3 momentum)
- void SetMass (double mass)
- void SetCharge (double charge)
- void AddS (double s)
- void AddRange (double range)
- void AddVxB (double VxB)

6.61.1 Constructor & Destructor Documentation

6.61.1.1 SwimParticle() [1/2]

```
SwimParticle::SwimParticle ( )  [inline]
```

6.61.1.2 ∼SwimParticle()

```
virtual SwimParticle::∼SwimParticle ( )  [inline], [virtual]
```

6.61.1.3 SwimParticle() [2/2]

```
SwimParticle::SwimParticle (
          const TVector3 position,
          const TVector3 momentum,
          double mass = 0.105658357,
          double charge = -1.0 )
```

6.61.2 Member Function Documentation

6.61.2.1 AddRange()

```
void SwimParticle::AddRange (
          double range )
```

6.61.2.2 AddS()

```
void SwimParticle::AddS (
          double s )
```

6.61.2.3 AddVxB()

```
void SwimParticle::AddVxB (
          double VxB )
```

6.61.2.4 GetCharge()

```
double SwimParticle::GetCharge ( ) const
```

6.61.2.5 GetDirection()

```
TVector3 SwimParticle::GetDirection ( ) const
```

6.61.2.6 GetEnergy()

```
double SwimParticle::GetEnergy ( ) const
```

6.61.2.7 GetInitPosition()

```
const TVector3 SwimParticle::GetInitPosition ( ) const
```

6.61.2.8 GetMass()

```
double SwimParticle::GetMass ( ) const
```

6.61.2.9 GetMomentum()

```
const TVector3 SwimParticle::GetMomentum ( ) const
```

6.61.2.10 GetMomentumModulus()

```
double SwimParticle::GetMomentumModulus ( ) const
```

6.61.2.11 GetPosition()

```
const TVector3 SwimParticle::GetPosition ( ) const
```

6.61.2.12 GetRange()

```
double SwimParticle::GetRange ( ) const
```

6.61.2.13 GetS()

```
double SwimParticle::GetS ( ) const
```

6.61.2.14 GetVxB()

```
double SwimParticle::GetVxB ( ) const
```

6.61.2.15 SetCharge()

```
void SwimParticle::SetCharge (
            double charge )
```

6.61.2.16 SetMass()

```
void SwimParticle::SetMass (
            double mass )
```

6.61.2.17 SetMomentum()

```
void SwimParticle::SetMomentum (
            const TVector3 momentum )
```

6.61.2.18 SetPosition()

```
void SwimParticle::SetPosition (
            const TVector3 position )
```

The documentation for this class was generated from the following files:

- inc/SwimParticle.h
- src/SwimParticle.cc

6.62 SwimSwimmer Class Reference

```
#include <SwimSwimmer.h>
```

Public Member Functions

- SwimSwimmer (double dist, double halfgap)
- SwimSwimmer (int plane, double dist, double halfgap)
- ∼SwimSwimmer ()
- void SetNmaxStep (int n)
- bool SetStepper (const char ∗name=0)
- void SetBPlane (int n)
- bool SwimForward (SwimParticle &particle, int &nextplane, double &b_ave)
- bool SwimBackward (SwimParticle &particle, int &nextplane, double &b_ave)
- double Swim (SwimParticle &particle, int &nextplane)
- bool SwimForward (SwimParticle &particle, double &b_ave)
- bool SwimBackward (SwimParticle &particle, double &b_ave)
- double Swim (SwimParticle &particle)
- double SwimExtrapolate (SwimParticle &particle)
- bool SwimForwardExtrapolate (SwimParticle &particle, double &b_ave)
- bool SwimBackwardExtrapolate (SwimParticle &particle, double &b_ave)
- void SetIsForward (bool isForward)
- void SetStepSize (double stepSize)
- void SetSPI (int n)
- TVector3 getCrossingShift ()
- SwimSwimmer (double dist, double halfgap)
- SwimSwimmer (int plane, double dist, double halfgap, double NewPlane)
- SwimSwimmer (double dist, double halfgap, double NewPlane)
- ∼SwimSwimmer ()
- void SetNmaxStep (int n)
- bool SetStepper (const char ∗name=0)
- void SetBPlane (int n)
- bool SwimForward (SwimParticle &particle, int &nextplane, double &b_ave)
- bool SwimBackward (SwimParticle &particle, int &nextplane, double &b_ave)
- double Swim (SwimParticle &particle, int &nextplane)
- bool SwimForward (SwimParticle &particle, double &b_ave)
- bool SwimBackward (SwimParticle &particle, double &b_ave)
- double Swim (SwimParticle &particle)
- double GetEnergyLoss (double ∗istate, double dz, double &axi, double &aT_max, double &aI, TGeoMaterial ∗material)
- void SetIsForward (bool isForward)
- void SetStepSize (double stepSize)
- void SetSPI (int n)
- TVector3 getCrossingShift ()

6.62.1 Constructor & Destructor Documentation

6.62.1.1 **SwimSwimmer()** [1/5]

```
SwimSwimmer::SwimSwimmer (
            double dist,
            double halfgap )
```

6.62.1.2 **SwimSwimmer()** [2/5]

```
SwimSwimmer::SwimSwimmer (
            int plane,
            double dist,
            double halfgap )
```

6.62.1.3 ∼**SwimSwimmer()** [1/2]

```
SwimSwimmer::∼SwimSwimmer ( )
```

6.62.1.4 **SwimSwimmer()** [3/5]

```
SwimSwimmer::SwimSwimmer (
            double dist,
            double halfgap )
```

6.62.1.5 **SwimSwimmer()** [4/5]

```
SwimSwimmer::SwimSwimmer (
            int plane,
            double dist,
            double halfgap,
            double NewPlane )
```

6.62.1.6 **SwimSwimmer()** [5/5]

```
SwimSwimmer::SwimSwimmer (
            double dist,
            double halfgap,
            double NewPlane )
```

6.62.1.7 ∼SwimSwimmer() **[2/2]**

```
SwimSwimmer::∼SwimSwimmer ( )
```

6.62.2 Member Function Documentation

6.62.2.1 getCrossingShift() **[1/2]**

```
TVector3 SwimSwimmer::getCrossingShift ( )   [inline]
```

6.62.2.2 getCrossingShift() **[2/2]**

```
TVector3 SwimSwimmer::getCrossingShift ( )   [inline]
```

6.62.2.3 GetEnergyLoss()

```
double SwimSwimmer::GetEnergyLoss (
            double * istate,
            double dz,
            double & axi,
            double & aT_max,
            double & aI,
            TGeoMaterial * material )
```

6.62.2.4 SetBPlane() **[1/2]**

```
void SwimSwimmer::SetBPlane (
            int n )   [inline]
```

6.62.2.5 SetBPlane() **[2/2]**

```
void SwimSwimmer::SetBPlane (
            int n )   [inline]
```

6.62.2.6 SetIsForward() [1/2]

```
void SwimSwimmer::SetIsForward (
            bool isForward ) [inline]
```

6.62.2.7 SetIsForward() [2/2]

```
void SwimSwimmer::SetIsForward (
            bool isForward ) [inline]
```

6.62.2.8 SetNmaxStep() [1/2]

```
void SwimSwimmer::SetNmaxStep (
            int n ) [inline]
```

6.62.2.9 SetNmaxStep() [2/2]

```
void SwimSwimmer::SetNmaxStep (
            int n ) [inline]
```

6.62.2.10 SetSPI() [1/2]

```
void SwimSwimmer::SetSPI (
            int n ) [inline]
```

6.62.2.11 SetSPI() [2/2]

```
void SwimSwimmer::SetSPI (
            int n ) [inline]
```

6.62.2.12 SetStepper() [1/2]

```
bool SwimSwimmer::SetStepper (
            const char * name = 0 )
```

6.62.2.13 SetStepper() [2/2]

```
bool SwimSwimmer::SetStepper (
            const char * name = 0 )
```

6.62.2.14 SetStepSize() [1/2]

```
void SwimSwimmer::SetStepSize (
            double stepSize )  [inline]
```

6.62.2.15 SetStepSize() [2/2]

```
void SwimSwimmer::SetStepSize (
            double stepSize )  [inline]
```

6.62.2.16 Swim() [1/4]

```
double SwimSwimmer::Swim (
            SwimParticle & particle )
```

6.62.2.17 Swim() [2/4]

```
double SwimSwimmer::Swim (
            SwimParticle & particle )
```

6.62.2.18 Swim() [3/4]

```
double SwimSwimmer::Swim (
            SwimParticle & particle,
            int & nextplane )
```

6.62.2.19 Swim() [4/4]

```
double SwimSwimmer::Swim (
            SwimParticle & particle,
            int & nextplane )
```

6.62.2.20 SwimBackward() [1/4]

```
bool SwimSwimmer::SwimBackward (
            SwimParticle & particle,
            double & b_ave )
```

6.62.2.21 SwimBackward() [2/4]

```
bool SwimSwimmer::SwimBackward (
            SwimParticle & particle,
            double & b_ave )
```

6.62.2.22 SwimBackward() [3/4]

```
bool SwimSwimmer::SwimBackward (
            SwimParticle & particle,
            int & nextplane,
            double & b_ave )
```

6.62.2.23 SwimBackward() [4/4]

```
bool SwimSwimmer::SwimBackward (
            SwimParticle & particle,
            int & nextplane,
            double & b_ave )
```

6.62.2.24 SwimBackwardExtrapolate()

```
bool SwimSwimmer::SwimBackwardExtrapolate (
            SwimParticle & particle,
            double & b_ave )
```

6.62.2.25 SwimExtrapolate()

```
double SwimSwimmer::SwimExtrapolate (
            SwimParticle & particle )
```

6.62.2.26 SwimForward() **[1/4]**

```
bool SwimSwimmer::SwimForward (
            SwimParticle & particle,
            double & b_ave )
```

6.62.2.27 SwimForward() **[2/4]**

```
bool SwimSwimmer::SwimForward (
            SwimParticle & particle,
            double & b_ave )
```

6.62.2.28 SwimForward() **[3/4]**

```
bool SwimSwimmer::SwimForward (
            SwimParticle & particle,
            int & nextplane,
            double & b_ave )
```

6.62.2.29 SwimForward() **[4/4]**

```
bool SwimSwimmer::SwimForward (
            SwimParticle & particle,
            int & nextplane,
            double & b_ave )
```

6.62.2.30 SwimForwardExtrapolate()

```
bool SwimSwimmer::SwimForwardExtrapolate (
            SwimParticle & particle,
            double & b_ave )
```

The documentation for this class was generated from the following files:

- inc/old code/SwimSwimmer.h
- src/New/SwimSwimmer.cc

6.63 InoNewTrackFitAlg::TrkDataStruct Struct Reference

```
#include <InoNewTrackFitAlg.h>
```

Public Attributes

- bool Straight
- double XPos
- double YPos
- double ZPos
- int PlaneView
- double XPosErrSq
- double YPosErrSq
- int numInList
- double cltime

6.63.1 Member Data Documentation

6.63.1.1 cltime

```
double InoNewTrackFitAlg::TrkDataStruct::cltime
```

6.63.1.2 numInList

```
int InoNewTrackFitAlg::TrkDataStruct::numInList
```

6.63.1.3 PlaneView

```
int InoNewTrackFitAlg::TrkDataStruct::PlaneView
```

6.63.1.4 Straight

```
bool InoNewTrackFitAlg::TrkDataStruct::Straight
```

6.63.1.5 XPos

```
double InoNewTrackFitAlg::TrkDataStruct::XPos
```

6.63.1.6 XPosErrSq

```
double InoNewTrackFitAlg::TrkDataStruct::XPosErrSq
```

6.63.1.7 YPos

```
double InoNewTrackFitAlg::TrkDataStruct::YPos
```

6.63.1.8 YPosErrSq

```
double InoNewTrackFitAlg::TrkDataStruct::YPosErrSq
```

6.63.1.9 ZPos

```
double InoNewTrackFitAlg::TrkDataStruct::ZPos
```

The documentation for this struct was generated from the following file:

- inc/InoNewTrackFitAlg.h

6.64 InoOldTrackFitAlg::TrkDataStruct Struct Reference

```
#include <InoOldTrackFitAlg.h>
```

Public Attributes

- bool Straight
- double XPos
- double YPos
- double ZPos
- int PlaneView
- double XPosErrSq
- double YPosErrSq
- int numInList
- double cltime

6.64.1 Member Data Documentation

6.64.1.1 cltime

double InoOldTrackFitAlg::TrkDataStruct::cltime

6.64.1.2 numInList

int InoOldTrackFitAlg::TrkDataStruct::numInList

6.64.1.3 PlaneView

int InoOldTrackFitAlg::TrkDataStruct::PlaneView

6.64.1.4 Straight

bool InoOldTrackFitAlg::TrkDataStruct::Straight

6.64.1.5 XPos

double InoOldTrackFitAlg::TrkDataStruct::XPos

6.64.1.6 XPosErrSq

double InoOldTrackFitAlg::TrkDataStruct::XPosErrSq

6.64.1.7 YPos

double InoOldTrackFitAlg::TrkDataStruct::YPos

6.64.1.8 YPosErrSq

double InoOldTrackFitAlg::TrkDataStruct::YPosErrSq

6.64.1.9 ZPos

```
double InoOldTrackFitAlg::TrkDataStruct::ZPos
```

The documentation for this struct was generated from the following file:

- inc/InoOldTrackFitAlg.h

6.65 vectGr Struct Reference

```
#include <MultiSimAnalysisDigi.hh>
```

Public Attributes

- float x
- float y
- float z
- float dx
- float dy
- float dz

6.65.1 Member Data Documentation

6.65.1.1 dx

```
float vectGr::dx
```

6.65.1.2 dy

```
float vectGr::dy
```

6.65.1.3 dz

```
float vectGr::dz
```

6.65.1.4 x

```
float vectGr::x
```

6.65.1.5 y

```
float vectGr::y
```

6.65.1.6 z

```
float vectGr::z
```

The documentation for this struct was generated from the following file:

- inc/MultiSimAnalysisDigi.hh

Chapter 7

File Documentation

7.1 build/CMakeCache.txt File Reference

Variables

- CLHEP_DIR __pad0__
- I usr include freetype2
- I usr include libpng16 PKG_FONTCONFIG_CFLAGS_I
- usr include libpng16 PKG_FONTCONFIG_LDFLAGS
- lfreetype PKG_FONTCONFIG_LDFLAGS_OTHER
- freetype PKG_FONTCONFIG_LIBRARY_DIRS
- I usr include libpng16 PKG_FONTCONFIG_STATIC_CFLAGS_I
- usr include libpng16 PKG_FONTCONFIG_STATIC_LDFLAGS
- luuid
- lexpat
- lfreetype
- lpng16
- lm
- lz
- lz PKG_FONTCONFIG_STATIC_LDFLAGS_OTHER
- uuid
- expat
- freetype
- png16
- m
- z
- z PKG_FONTCONFIG_STATIC_LIBRARY_DIRS
- expat __pkg_config_arguments_PKG_FONTCONFIG

7.1.1 Variable Documentation

7.1.1.1 __pad0__

```
CLHEP_DIR __pad0__
```

7.1.1.2 __pkg_config_arguments_PKG_FONTCONFIG

expat __pkg_config_arguments_PKG_FONTCONFIG

7.1.1.3 expat

```
expat
```

7.1.1.4 freetype

```
freetype
```

7.1.1.5 freetype2

```
usr include freetype2
```

7.1.1.6 lexpat

```
lexpat
```

7.1.1.7 lfreetype

```
lfreetype
```

7.1.1.8 lm

```
lm
```

7.1.1.9 lpng16

```
lpng16
```

7.1.1.10 luuid

```
luuid
```

7.1.1.11 lz

```
lz
```

7.1.1.12 m

```
m
```

7.1.1.13 PKG_FONTCONFIG_CFLAGS_I

```
I usr include libpng16 PKG_FONTCONFIG_CFLAGS_I
```

7.1.1.14 PKG_FONTCONFIG_LDFLAGS

```
usr include libpng16 PKG_FONTCONFIG_LDFLAGS
```

7.1.1.15 PKG_FONTCONFIG_LDFLAGS_OTHER

lfreetype `PKG_FONTCONFIG_LDFLAGS_OTHER`

7.1.1.16 PKG_FONTCONFIG_LIBRARY_DIRS

freetype `PKG_FONTCONFIG_LIBRARY_DIRS`

7.1.1.17 PKG_FONTCONFIG_STATIC_CFLAGS_I

`I usr include libpng16 PKG_FONTCONFIG_STATIC_CFLAGS_I`

7.1.1.18 PKG_FONTCONFIG_STATIC_LDFLAGS

`usr include libpng16 PKG_FONTCONFIG_STATIC_LDFLAGS`

7.1.1.19 PKG_FONTCONFIG_STATIC_LDFLAGS_OTHER

`lz PKG_FONTCONFIG_STATIC_LDFLAGS_OTHER`

7.1.1.20 PKG_FONTCONFIG_STATIC_LIBRARY_DIRS

`z PKG_FONTCONFIG_STATIC_LIBRARY_DIRS`

7.1.1.21 png16

`png16`

7.1.1.22 uuid

`uuid`

7.1.1.23 z

`z`

7.2 build/CMakeFiles/3.16.3/CompilerIdC/CMakeCCompilerId.c File Reference

Macros

- #define COMPILER_ID ""
- #define STRINGIFY_HELPER(X) #X
- #define STRINGIFY(X) STRINGIFY_HELPER(X)
- #define PLATFORM_ID
- #define ARCHITECTURE_ID
- #define DEC(n)
- #define HEX(n)
- #define C_DIALECT

Functions

- int main (int argc, char ∗argv[ ])

Variables

- char const ∗ info_compiler = "INFO" ":" "compiler[" COMPILER_ID "]"
- char const ∗ info_platform = "INFO" ":" "platform[" PLATFORM_ID "]"
- char const ∗ info_arch = "INFO" ":" "arch[" ARCHITECTURE_ID "]"
- const char ∗ info_language_dialect_default

7.2.1 Macro Definition Documentation

7.2.1.1 ARCHITECTURE_ID

```
#define ARCHITECTURE_ID
```

7.2.1.2 C_DIALECT

```
#define C_DIALECT
```

7.2.1.3 COMPILER_ID

```
#define COMPILER_ID ""
```

7.2.1.4 DEC

```
#define DEC(
                n )
```

Value:
```
('0' + (((n) / 10000000)%10)), \
('0' + (((n) / 1000000)%10)),  \
('0' + (((n) / 100000)%10)),   \
('0' + (((n) / 10000)%10)),    \
('0' + (((n) / 1000)%10)),     \
('0' + (((n) / 100)%10)),      \
('0' + (((n) / 10)%10)),       \
('0' +  ((n) % 10))
```

7.2.1.5 HEX

```
#define HEX(
                n )
```

Value:
```
('0' + ((n)»28 & 0xF)), \
('0' + ((n)»24 & 0xF)), \
('0' + ((n)»20 & 0xF)), \
('0' + ((n)»16 & 0xF)), \
('0' + ((n)»12 & 0xF)), \
('0' + ((n)»8  & 0xF)), \
('0' + ((n)»4  & 0xF)), \
('0' + ((n)     & 0xF))
```

7.2.1.6 PLATFORM_ID

```
#define PLATFORM_ID
```

7.2.1.7 STRINGIFY

```
#define STRINGIFY(
                X ) STRINGIFY_HELPER(X)
```

7.2.1.8 STRINGIFY_HELPER

```
#define STRINGIFY_HELPER(
                X ) #X
```

7.2.2 Function Documentation

7.2.2.1 main()

```
int main (
            int argc,
            char * argv[] )
```

7.2.3 Variable Documentation

7.2.3.1 info_arch

```
char const* info_arch = "INFO" ":" "arch[" ARCHITECTURE_ID "]"
```

7.2.3.2 info_compiler

```
char const* info_compiler = "INFO" ":" "compiler[" COMPILER_ID "]"
```

7.2.3.3 info_language_dialect_default

```
const char* info_language_dialect_default
```

Initial value:
```
=
  "INFO" ":" "dialect_default[" C_DIALECT "]"
```

7.2.3.4 info_platform

```
char const* info_platform = "INFO" ":" "platform[" PLATFORM_ID "]"
```

7.3 build/CMakeFiles/3.16.3/CompilerIdCXX/CMakeCXXCompilerId.cpp File Reference

Macros

- #define COMPILER_ID ""
- #define STRINGIFY_HELPER(X) #X
- #define STRINGIFY(X) STRINGIFY_HELPER(X)
- #define PLATFORM_ID
- #define ARCHITECTURE_ID
- #define DEC(n)
- #define HEX(n)
- #define CXX_STD __cplusplus

Functions

- int main (int argc, char ∗argv[ ])

Variables

- char const ∗ info_compiler = "INFO" ":" "compiler[" COMPILER_ID "]"
- char const ∗ info_platform = "INFO" ":" "platform[" PLATFORM_ID "]"
- char const ∗ info_arch = "INFO" ":" "arch[" ARCHITECTURE_ID "]"
- const char ∗ info_language_dialect_default

7.3.1 Macro Definition Documentation

7.3.1.1 ARCHITECTURE_ID

```
#define ARCHITECTURE_ID
```

7.3.1.2 COMPILER_ID

```
#define COMPILER_ID ""
```

7.3.1.3 CXX_STD

```
#define CXX_STD __cplusplus
```

7.3.1.4 DEC

```
#define DEC(
           n )
```

Value:
```
('0' + (((n) / 10000000)%10)), \
('0' + (((n) / 1000000)%10)),  \
('0' + (((n) / 100000)%10)),   \
('0' + (((n) / 10000)%10)),    \
('0' + (((n) / 1000)%10)),     \
('0' + (((n) / 100)%10)),      \
('0' + (((n) / 10)%10)),       \
('0' +  ((n) % 10))
```

7.3.1.5 HEX

```
#define HEX(
                n )
```

Value:
```
('0' + ((n)»28 & 0xF)), \
('0' + ((n)»24 & 0xF)), \
('0' + ((n)»20 & 0xF)), \
('0' + ((n)»16 & 0xF)), \
('0' + ((n)»12 & 0xF)), \
('0' + ((n)»8  & 0xF)), \
('0' + ((n)»4  & 0xF)), \
('0' + ((n)     & 0xF))
```

7.3.1.6 PLATFORM_ID

```
#define PLATFORM_ID
```

7.3.1.7 STRINGIFY

```
#define STRINGIFY(
                X ) STRINGIFY_HELPER(X)
```

7.3.1.8 STRINGIFY_HELPER

```
#define STRINGIFY_HELPER(
                X ) #X
```

7.3.2 Function Documentation

7.3.2.1 main()

```
int main (
                int argc,
                char * argv[] )
```

7.3.3 Variable Documentation

7.3.3.1 info_arch

```
char const* info_arch = "INFO" ":" "arch[" ARCHITECTURE_ID "]"
```

7.3.3.2 info_compiler

```
char const* info_compiler = "INFO" ":" "compiler[" COMPILER_ID "]"
```

7.3.3.3 info_language_dialect_default

```
const char* info_language_dialect_default
```

Initial value:
```
= "INFO" ":" "dialect_default["
  "98"
"]"
```

7.3.3.4 info_platform

```
char const* info_platform = "INFO" ":" "platform[" PLATFORM_ID "]"
```

7.4 build/CMakeFiles/anal_ical.dir/link.txt File Reference

Variables

- usr bin c W Wall pedantic Wno non virtual dtor Wno long long Wwrite strings Wpointer arith virtual Wover-loaded Wno variadic macros Wshadow pipe std =c++11 -pthread -std=c++1y -m64 -std=c++11 -pipe -fsigned-char -pthread -g -g CMakeFiles/anal_ical.dir/src/CMVDRecoAlg.cc.o CMakeFiles/anal_ical.dir/src/CMVDigi↩Alg.cc.o CMakeFiles/anal_ical.dir/src/CmvCluster.cc.o CMakeFiles/anal_ical.dir/src/CmvHit.cc.o CMake↩Files/anal_ical.dir/src/CmvLayExtra.cc.o CMakeFiles/anal_ical.dir/src/CmvStrip.cc.o CMakeFiles/anal_↩ical.dir/src/GeneralRecoInfo.cc.o CMakeFiles/anal_ical.dir/src/HitPos.cc.o CMakeFiles/anal_ical.dir/src/Hit↩Posdict.cc.o CMakeFiles/anal_ical.dir/src/Hits.cc.o CMakeFiles/anal_ical.dir/src/Hitsdict.cc.o CMake↩Files/anal_ical.dir/src/InoCal0Hit.cc.o CMakeFiles/anal_ical.dir/src/InoCal1Hit.cc.o CMakeFiles/anal_ical.↩dir/src/InoCluster.cc.o CMakeFiles/anal_ical.dir/src/InoDigiAlg.cc.o CMakeFiles/anal_ical.dir/src/InoFitted↩Track.cc.o CMakeFiles/anal_ical.dir/src/InoHit.cc.o CMakeFiles/anal_ical.dir/src/InoLinearTrackFitAlg.cc.o CMakeFiles/anal_ical.dir/src/InoMuRange.cc.o CMakeFiles/anal_ical.dir/src/InoNewFitAlg.cc.o CMake↩Files/anal_ical.dir/src/InoNewTrackFitAlg.cc.o CMakeFiles/anal_ical.dir/src/InoOldTrackFitAlg.cc.o CMake↩Files/anal_ical.dir/src/InoRecoAlg.cc.o CMakeFiles/anal_ical.dir/src/InoShowerCand.cc.o CMakeFiles/anal↩_ical.dir/src/InoStrip.cc.o CMakeFiles/anal_ical.dir/src/InoTrack.cc.o CMakeFiles/anal_ical.dir/src/Ino↩TrackCand.cc.o CMakeFiles/anal_ical.dir/src/InoTrackFinder.cc.o CMakeFiles/anal_ical.dir/src/InoTrack↩Segment.cc.o CMakeFiles/anal_ical.dir/src/InoVertex.cc.o CMakeFiles/anal_ical.dir/src/MultiSimAnalysis↩Digi.cc.o CMakeFiles/anal_ical.dir/src/ParameterMessenger.cc.o CMakeFiles/anal_ical.dir/src/RPCEve.↩cc.o CMakeFiles/anal_ical.dir/src/SipmHit.cc.o CMakeFiles/anal_ical.dir/src/StraightLineFit.cc.o CMake↩Files/anal_ical.dir/src/SwimParticle.cc.o CMakeFiles/anal_ical.dir/src/SwimSwimmer.cc.o CMakeFiles/anal↩_ical.dir/src/anal_ical.cc.o CMakeFiles/anal_ical.dir/src/micalDetectorParameterDef.cc.o CMakeFiles/anal↩_ical.dir/src/micalFieldPropagator.cc.o CMakeFiles/anal_ical.dir/src/vect_manager.cc.o -o ../anal_ical -L/home/jim/products/ROOT6/root-6.22.06/lib -Wl
- usr bin c W Wall pedantic Wno non virtual dtor Wno long long Wwrite strings Wpointer arith virtual Wover-loaded Wno variadic macros Wshadow pipe rpath

7.4.1 Variable Documentation

7.4.1.1 rpath

usr bin c W Wall pedantic Wno non virtual dtor Wno long long Wwrite strings Wpointer arith
virtual Woverloaded Wno variadic macros Wshadow pipe rpath

7.4.1.2 std

usr bin c W Wall pedantic Wno non virtual dtor Wno long long Wwrite strings Wpointer arith
virtual Woverloaded Wno variadic macros Wshadow pipe std =c++11 −pthread −std=c++1y −m64 −std=c++11
−pipe −fsigned−char −pthread −g −g CMakeFiles/anal_ical.dir/src/CMVDRecoAlg.cc.o CMakeFiles/anal←
_ical.dir/src/CMVDigiAlg.cc.o CMakeFiles/anal_ical.dir/src/CmvCluster.cc.o CMakeFiles/anal←
_ical.dir/src/CmvHit.cc.o CMakeFiles/anal_ical.dir/src/CmvLayExtra.cc.o CMakeFiles/anal_←
ical.dir/src/CmvStrip.cc.o CMakeFiles/anal_ical.dir/src/GeneralRecoInfo.cc.o CMakeFiles/anal←
_ical.dir/src/HitPos.cc.o CMakeFiles/anal_ical.dir/src/HitPosdict.cc.o CMakeFiles/anal_←
ical.dir/src/Hits.cc.o CMakeFiles/anal_ical.dir/src/Hitsdict.cc.o CMakeFiles/anal_ical.←
dir/src/InoCal0Hit.cc.o CMakeFiles/anal_ical.dir/src/InoCal1Hit.cc.o CMakeFiles/anal_ical.←
dir/src/InoCluster.cc.o CMakeFiles/anal_ical.dir/src/InoDigiAlg.cc.o CMakeFiles/anal_ical.←
dir/src/InoFittedTrack.cc.o CMakeFiles/anal_ical.dir/src/InoHit.cc.o CMakeFiles/anal_ical.←
dir/src/InoLinearTrackFitAlg.cc.o CMakeFiles/anal_ical.dir/src/InoMuRange.cc.o CMakeFiles/anal←
_ical.dir/src/InoNewFitAlg.cc.o CMakeFiles/anal_ical.dir/src/InoNewTrackFitAlg.cc.o CMake←
Files/anal_ical.dir/src/InoOldTrackFitAlg.cc.o CMakeFiles/anal_ical.dir/src/InoRecoAlg.cc.←
o CMakeFiles/anal_ical.dir/src/InoShowerCand.cc.o CMakeFiles/anal_ical.dir/src/InoStrip.←
cc.o CMakeFiles/anal_ical.dir/src/InoTrack.cc.o CMakeFiles/anal_ical.dir/src/InoTrackCand.←
cc.o CMakeFiles/anal_ical.dir/src/InoTrackFinder.cc.o CMakeFiles/anal_ical.dir/src/InoTrack←
Segment.cc.o CMakeFiles/anal_ical.dir/src/InoVertex.cc.o CMakeFiles/anal_ical.dir/src/Multi←
SimAnalysisDigi.cc.o CMakeFiles/anal_ical.dir/src/ParameterMessenger.cc.o CMakeFiles/anal←
_ical.dir/src/RPCEve.cc.o CMakeFiles/anal_ical.dir/src/SipmHit.cc.o CMakeFiles/anal_ical.←
dir/src/StraightLineFit.cc.o CMakeFiles/anal_ical.dir/src/SwimParticle.cc.o CMakeFiles/anal←
_ical.dir/src/SwimSwimmer.cc.o CMakeFiles/anal_ical.dir/src/anal_ical.cc.o CMakeFiles/anal_←
ical.dir/src/micalDetectorParameterDef.cc.o CMakeFiles/anal_ical.dir/src/micalFieldPropagator.←
cc.o CMakeFiles/anal_ical.dir/src/vect_manager.cc.o −o ../anal_ical −L/home/jim/products/ROO←
T6/root−6.22.06/lib −Wl

7.5 build/CMakeFiles/CMakeRuleHashes.txt File Reference

7.6 build/CMakeFiles/TargetDirectories.txt File Reference

7.7 CMakeLists.txt File Reference

Functions

- cmake_minimum_required (VERSION 3.8...3.18) if($

- VERSION_LESS cmake_policy (VERSION ${CMAKE_MAJOR_VERSION}.${CMAKE_MINOR_VERSION}) endif() project(anal_ical) set(CMAKE_BINARY_DIR $
- bin set (EXECUTABLE_OUTPUT_PATH ${CMAKE_SOURCE_DIR}) set(LIBRARY_OUTPUT_PATH $
- lib set (CMAKE_CXX_FLAGS "${CMAKE_CXX_FLAGS} -pthread -std=c++1y -m64") set(CMAKE_BUIL↩ D_TYPE Debug) find_package(ROOT CONFIG REQUIRED) find_package(ROOT COMPONENTS Minuit) include("$
- find_package (PostgreSQL REQUIRED) include_directories($
- link_directories (${PostgreSQL_LIBRARY_DIRS}) option(WITH_GEANT4_UIVIS "Build example with Geant4 UI and Vis drivers" ON) if(WITH_GEANT4_UIVIS) find_package(Geant4 REQUIRED ui_all vis_all) else() find_package(Geant4 REQUIRED) endif() include($
- include_directories (${PROJECT_SOURCE_DIR}/inc) add_compile_options(-Wall -Wextra -pedantic -fno-stack-protector) file(GLOB sources $

7.7.1 Function Documentation

7.7.1.1 cmake_minimum_required()

```
cmake_minimum_required (
            VERSION 3.8...3.  18 )
```

7.7.1.2 cmake_policy()

```
VERSION_LESS cmake_policy (
            VERSION ${CMAKE_MAJOR_VERSION}.${CMAKE_MINOR_VERSION}  )
```

7.7.1.3 find_package()

```
find_package (
            PostgreSQL REQUIRED )
```

7.7.1.4 include_directories()

```
include_directories (
            ${PROJECT_SOURCE_DIR}/ )
```

7.7.1.5 link_directories()

```
link_directories (
                ${PostgreSQL_LIBRARY_DIRS} )
```

7.7.1.6 set() [1/2]

```
lib set ( )
```

7.7.1.7 set() [2/2]

```
bin set (
                EXECUTABLE_OUTPUT_PATH ${CMAKE_SOURCE_DIR}  )
```

7.8 err.txt File Reference

7.9 recodata/err.txt File Reference

7.10 File_Description.txt File Reference

7.11 inc/CmvCluster.h File Reference

```
#include "CmvHit.h"
#include "micalDetectorParameterDef.hh"
#include "MultiSimAnalysisDigi.hh"
```
Include dependency graph for CmvCluster.h:

7.12 inc/CMVDigiAlg.hh File Reference

```
#include "micalDetectorParameterDef.hh"
#include "MultiSimAnalysisDigi.hh"
#include "GeneralRecoInfo.hh"
#include "vect_manager.h"
#include "CmvStrip.h"
#include "globals.hh"
#include "TH2.h"
#include "TH2D.h"
#include "TRandom.h"
#include "TMath.h"
```
Include dependency graph for CMVDigiAlg.hh: This graph shows which files directly or indirectly include this file:

Classes

- class CMVDigiAlg

7.13 inc/CMVDRecoAlg.hh File Reference

```
#include "micalDetectorParameterDef.hh"
#include "ParameterMessenger.hh"
#include "MultiSimAnalysisDigi.hh"
#include "GeneralRecoInfo.hh"
#include "vect_manager.h"
#include "InoVertex.h"
#include "globals.hh"
#include "TCanvas.h"
#include "TStyle.h"
#include "TMatrixD.h"
#include "TMath.h"
#include "TMatrixDEigen.h"
#include "CmvHit.h"
#include "CmvLayExtra.h"
#include "CmvCluster.h"
```
Include dependency graph for CMVDRecoAlg.hh: This graph shows which files directly or indirectly include this file:

Classes

- class CMVDRecoAlg

    This class is used for CMVD Reco Algorithm.

7.13.1 Detailed Description

Author

Raj < rajbhupen20@gmail.com >

Version

1.0

7.13.2 LICENSE

This program is free software; you can redistribute it and/or modify it under the terms of the GNU General Public License as published by the Free Software Foundation; either version 2 of the License, or (at your option) any later version.

7.13.3 DESCRIPTION

Reconstruction including CMVD

7.14   inc/CmvHit.h File Reference

```
#include "SipmHit.h"
#include "micalDetectorParameterDef.hh"
#include "MultiSimAnalysisDigi.hh"
```
Include dependency graph for CmvHit.h: This graph shows which files directly or indirectly include this file:

Classes

- class CmvHit

7.15   inc/CmvLayExtra.h File Reference

```
#include <iostream>
#include "MultiSimAnalysisDigi.hh"
```
Include dependency graph for CmvLayExtra.h: This graph shows which files directly or indirectly include this file:

Classes

- class CmvLayExtra

7.16   inc/CmvStrip.h File Reference

```
#include <iostream>
#include "MultiSimAnalysisDigi.hh"
```
Include dependency graph for CmvStrip.h: This graph shows which files directly or indirectly include this file:

Classes

- class CmvStrip

7.17   inc/DetectorParameterDef.hh File Reference

```
#include "Ical0DetectorParameterDef.hh"
#include "micalDetectorParameterDef.hh"
#include <fstream>
#include <iostream>
#include <iomanip>
#include <vector>
#include "G4ios.hh"
#include <G4String.hh>
#include <strings.h>
```
Include dependency graph for DetectorParameterDef.hh: This graph shows which files directly or indirectly include this file:

Classes

- class DetectorParameterDef

7.18   inc/Fcnsg.h File Reference

This graph shows which files directly or indirectly include this file:

Functions

- void fcnsg (Int_t &npar, Double_t ∗gin, Double_t &f, Double_t ∗par, Int_t flag)
- double sfdph (double phi1, double phi2)

Variables

- double xvalin [200]
- double yvalin [200]
- double errxy2
- int nsize1

7.18.1   Function Documentation

7.18.1.1   fcnsg()

```
void fcnsg (
            Int_t & npar,
            Double_t * gin,
            Double_t & f,
            Double_t * par,
            Int_t flag )
```

7.18.1.2   sfdph()

```
double sfdph (
            double phi1,
            double phi2 )
```

7.18.2   Variable Documentation

7.18.2.1 errxy2

```
double errxy2
```

7.18.2.2 nsize1

```
int nsize1
```

7.18.2.3 xvalin

```
double xvalin[200]
```

7.18.2.4 yvalin

```
double yvalin[200]
```

7.19 inc/GeneralRecoInfo.hh File Reference

```
#include "micalDetectorParameterDef.hh"
#include "TH1.h"
#include "TH2.h"
#include "TH3.h"
#include "TGraph.h"
#include "TGraphErrors.h"
#include "TGraph2D.h"
#include "TGraph2DErrors.h"
#include "TTree.h"
#include "TFile.h"
#include "globals.hh"
#include "TProfile.h"
#include <iostream>
#include <fstream>
```
Include dependency graph for GeneralRecoInfo.hh: This graph shows which files directly or indirectly include this file:

Classes

- class GeneralRecoInfo

7.20 inc/HitPos.h File Reference

```
#include "TObject.h"
#include "TClonesArray.h"
#include "TRefArray.h"
#include "TRef.h"
#include "TH1.h"
#include "TBits.h"
#include "TMath.h"
```
Include dependency graph for HitPos.h: This graph shows which files directly or indirectly include this file:

Classes

- class HitPos

7.21 inc/HitPosdict.h File Reference

```
#include <stddef.h>
#include <stdio.h>
#include <stdlib.h>
#include <math.h>
#include <string.h>
#include "G__ci.h"
#include "FastAllocString.h"
#include "TObject.h"
#include "TMemberInspector.h"
#include "HitPos.h"
#include <algorithm>
```
Include dependency graph for HitPosdict.h:

Namespaces

- std

Macros

- #define G__ANSIHEADER
- #define G__DICTIONARY
- #define G__PRIVATE_GVALUE

Functions

- void G__cpp_setup_tagtableHitPosdict ()
- void G__cpp_setup_inheritanceHitPosdict ()
- void G__cpp_setup_typetableHitPosdict ()
- void G__cpp_setup_memvarHitPosdict ()
- void G__cpp_setup_globalHitPosdict ()
- void G__cpp_setup_memfuncHitPosdict ()
- void G__cpp_setup_funcHitPosdict ()
- void G__set_cpp_environmentHitPosdict ()

Variables

- G__linked_taginfo G__HitPosdictLN_TClass
- G__linked_taginfo G__HitPosdictLN_TBuffer
- G__linked_taginfo G__HitPosdictLN_TMemberInspector
- G__linked_taginfo G__HitPosdictLN_TObject
- G__linked_taginfo G__HitPosdictLN_vectorlEROOTcLcLTSchemaHelpercOallocatorlEROOTcLcLTSchemaHelpergRsPgR
- G__linked_taginfo G__HitPosdictLN_reverse_iteratorlEvectorlEROOTcLcLTSchemaHelpercOallocatorlEROOTcLcLTSchemaH
- G__linked_taginfo G__HitPosdictLN_vectorlETVirtualArraymUcOallocatorlETVirtualArraymUgRsPgR
- G__linked_taginfo G__HitPosdictLN_reverse_iteratorlEvectorlETVirtualArraymUcOallocatorlETVirtualArraymUgRsPgRcLcLiter
- G__linked_taginfo G__HitPosdictLN_iteratorlEbidirectional_iterator_tagcOTObjectmUcOlongcOconstsPTObjectmUmUcOconst
- G__linked_taginfo G__HitPosdictLN_TVectorTlEfloatgR
- G__linked_taginfo G__HitPosdictLN_TVectorTlEdoublegR
- G__linked_taginfo G__HitPosdictLN_HitPos

7.21.1 Macro Definition Documentation

7.21.1.1 G__ANSIHEADER

```
#define G__ANSIHEADER
```

7.21.1.2 G__DICTIONARY

```
#define G__DICTIONARY
```

7.21.1.3 G__PRIVATE_GVALUE

```
#define G__PRIVATE_GVALUE
```

7.21.2 Function Documentation

7.21.2.1 G__cpp_setup_funcHitPosdict()

```
void G__cpp_setup_funcHitPosdict ( )
```

7.21.2.2 G__cpp_setup_globalHitPosdict()

```
void G__cpp_setup_globalHitPosdict ( )
```

7.21.2.3 G__cpp_setup_inheritanceHitPosdict()

```
void G__cpp_setup_inheritanceHitPosdict ( )
```

7.21.2.4 G__cpp_setup_memfuncHitPosdict()

```
void G__cpp_setup_memfuncHitPosdict ( )
```

7.21.2.5 G__cpp_setup_memvarHitPosdict()

```
void G__cpp_setup_memvarHitPosdict ( )
```

7.21.2.6 G__cpp_setup_tagtableHitPosdict()

```
void G__cpp_setup_tagtableHitPosdict ( )
```

7.21.2.7 G__cpp_setup_typetableHitPosdict()

```
void G__cpp_setup_typetableHitPosdict ( )
```

7.21.2.8 G__set_cpp_environmentHitPosdict()

```
void G__set_cpp_environmentHitPosdict ( )
```

7.21.3 Variable Documentation

7.21.3.1 G__HitPosdictLN_HitPos

```
G__linked_taginfo G__HitPosdictLN_HitPos
```

7.21.3.2 G__HitPosdictLN_iteratorlEbidirectional_iterator_tagcOTObjectmUcOlongcOconstsPTObjectmUmUcOconstsPTO

```
G__linked_taginfo G__HitPosdictLN_iteratorlEbidirectional_iterator_tagcOTObjectmUcOlongc←
OconstsPTObjectmUmUcOconstsPTObjectmUaNgR
```

7.21.3.3 G__HitPosdictLN_reverse_iteratorlEvectorlEROOTcLcLTSchemaHelpercOallocatorlEROOTcLcLTSchemaHelpergR

```
G__linked_taginfo G__HitPosdictLN_reverse_iteratorlEvectorlEROOTcLcLTSchemaHelpercOallocatorl←
EROOTcLcLTSchemaHelpergRsPgRcLcLiteratorgR
```

7.21.3.4 G__HitPosdictLN_reverse_iteratorlEvectorlETVirtualArraymUcOallocatorlETVirtualArraymUgRsPgRcLcLiteratorgI

```
G__linked_taginfo G__HitPosdictLN_reverse_iteratorlEvectorlETVirtualArraymUcOallocatorlET←
VirtualArraymUgRsPgRcLcLiteratorgR
```

7.21.3.5 G__HitPosdictLN_TBuffer

```
G__linked_taginfo G__HitPosdictLN_TBuffer
```

7.21.3.6 G__HitPosdictLN_TClass

```
G__linked_taginfo G__HitPosdictLN_TClass
```

7.21.3.7 G__HitPosdictLN_TMemberInspector

```
G__linked_taginfo G__HitPosdictLN_TMemberInspector
```

7.21.3.8 G__HitPosdictLN_TObject

```
G__linked_taginfo G__HitPosdictLN_TObject
```

7.21.3.9 G__HitPosdictLN_TVectorTlEdoublegR

```
G__linked_taginfo G__HitPosdictLN_TVectorTlEdoublegR
```

7.21.3.10 G__HitPosdictLN_TVectorTlEfloatgR

```
G__linked_taginfo G__HitPosdictLN_TVectorTlEfloatgR
```

7.21.3.11 G__HitPosdictLN_vectorlEROOTcLcLTSchemaHelpercOallocatorlEROOTcLcLTSchemaHelpergRsPgR

```
G__linked_taginfo G__HitPosdictLN_vectorlEROOTcLcLTSchemaHelpercOallocatorlEROOTcLcLTSchema←
HelpergRsPgR
```

7.21.3.12 G__HitPosdictLN_vectorlETVirtualArraymUcOallocatorlETVirtualArraymUgRsPgR

```
G__linked_taginfo G__HitPosdictLN_vectorlETVirtualArraymUcOallocatorlETVirtualArraymUgRsPgR
```

7.22 inc/Hits.h File Reference

```
#include "TObject.h"
#include "TClonesArray.h"
#include "TRefArray.h"
#include "TRef.h"
#include "TH1.h"
#include "TBits.h"
#include "TMath.h"
#include "HitPos.h"
```
Include dependency graph for Hits.h: This graph shows which files directly or indirectly include this file:

Classes

- class Hits

7.23 inc/Hitsdict.h File Reference

```
#include <stddef.h>
#include <stdio.h>
#include <stdlib.h>
#include <math.h>
#include <string.h>
#include "G__ci.h"
#include "FastAllocString.h"
#include "TObject.h"
#include "TMemberInspector.h"
#include "Hits.h"
#include <algorithm>
```
Include dependency graph for Hitsdict.h:

Namespaces

- std

Macros

- #define G__ANSIHEADER
- #define G__DICTIONARY
- #define G__PRIVATE_GVALUE

Functions

- void G__cpp_setup_tagtableHitsdict ()
- void G__cpp_setup_inheritanceHitsdict ()
- void G__cpp_setup_typetableHitsdict ()
- void G__cpp_setup_memvarHitsdict ()
- void G__cpp_setup_globalHitsdict ()
- void G__cpp_setup_memfuncHitsdict ()
- void G__cpp_setup_funcHitsdict ()
- void G__set_cpp_environmentHitsdict ()

Variables

- G__linked_taginfo G__HitsdictLN_TClass
- G__linked_taginfo G__HitsdictLN_TBuffer
- G__linked_taginfo G__HitsdictLN_TMemberInspector
- G__linked_taginfo G__HitsdictLN_TObject
- G__linked_taginfo G__HitsdictLN_vectorlEROOTcLcLTSchemaHelpercOallocatorlEROOTcLcLTSchemaHelpergRsPgR
- G__linked_taginfo G__HitsdictLN_reverse_iteratorlEvectorlEROOTcLcLTSchemaHelpercOallocatorlEROOTcLcLTSchemaHelp
- G__linked_taginfo G__HitsdictLN_TClonesArray
- G__linked_taginfo G__HitsdictLN_vectorlETVirtualArraymUcOallocatorlETVirtualArraymUgRsPgR
- G__linked_taginfo G__HitsdictLN_reverse_iteratorlEvectorlETVirtualArraymUcOallocatorlETVirtualArraymUgRsPgRcLcLiterato
- G__linked_taginfo G__HitsdictLN_iteratorlEbidirectional_iterator_tagcOTObjectmUcOlongcOconstsPTObjectmUmUcOconstsP
- G__linked_taginfo G__HitsdictLN_TRef
- G__linked_taginfo G__HitsdictLN_TVectorTlEfloatgR
- G__linked_taginfo G__HitsdictLN_TVectorTlEdoublegR
- G__linked_taginfo G__HitsdictLN_HitPos
- G__linked_taginfo G__HitsdictLN_Hits

7.23.1 Macro Definition Documentation

7.23.1.1 G__ANSIHEADER

```
#define G__ANSIHEADER
```

7.23.1.2 G__DICTIONARY

```
#define G__DICTIONARY
```

7.23.1.3 G__PRIVATE_GVALUE

```
#define G__PRIVATE_GVALUE
```

7.23.2 Function Documentation

7.23.2.1 G__cpp_setup_funcHitsdict()

```
void G__cpp_setup_funcHitsdict ( )
```

7.23.2.2 G__cpp_setup_globalHitsdict()

```
void G__cpp_setup_globalHitsdict ( )
```

7.23.2.3 G__cpp_setup_inheritanceHitsdict()

```
void G__cpp_setup_inheritanceHitsdict ( )
```

7.23.2.4 G__cpp_setup_memfuncHitsdict()

```
void G__cpp_setup_memfuncHitsdict ( )
```

7.23.2.5 G__cpp_setup_memvarHitsdict()

```
void G__cpp_setup_memvarHitsdict ( )
```

7.23.2.6 G__cpp_setup_tagtableHitsdict()

```
void G__cpp_setup_tagtableHitsdict ( )
```

7.23.2.7 G__cpp_setup_typetableHitsdict()

```
void G__cpp_setup_typetableHitsdict ( )
```

7.23.2.8 G__set_cpp_environmentHitsdict()

```
void G__set_cpp_environmentHitsdict ( )
```

7.23.3 Variable Documentation

7.23.3.1 G__HitsdictLN_HitPos

```
G__linked_taginfo G__HitsdictLN_HitPos
```

7.23.3.2 G__HitsdictLN_Hits

```
G__linked_taginfo G__HitsdictLN_Hits
```

7.23.3.3 G__HitsdictLN_iteratorlEbidirectional_iterator_tagcOTObjectmUcOlongcOconstsPTObjectmUmUcOconstsPTObje

```
G__linked_taginfo G__HitsdictLN_iteratorlEbidirectional_iterator_tagcOTObjectmUcOlongcOconsts↵
PTObjectmUmUcOconstsPTObjectmUaNgR
```

7.23.3.4 G__HitsdictLN_reverse_iteratorlEvectorlEROOTcLcLTSchemaHelpercOallocatorlEROOTcLcLTSchemaHelpergRsF

```
G__linked_taginfo G__HitsdictLN_reverse_iteratorlEvectorlEROOTcLcLTSchemaHelpercOallocatorlE↵
ROOTcLcLTSchemaHelpergRsPgRcLcLiteratorgR
```

7.23.3.5 G__HitsdictLN_reverse_iteratorlEvectorlETVirtualArraymUcOallocatorlETVirtualArraymUgRsPgRcLcLiteratorgR

```
G__linked_taginfo G__HitsdictLN_reverse_iteratorlEvectorlETVirtualArraymUcOallocatorlET↵
VirtualArraymUgRsPgRcLcLiteratorgR
```

7.23.3.6 G__HitsdictLN_TBuffer

```
G__linked_taginfo G__HitsdictLN_TBuffer
```

7.23.3.7 G__HitsdictLN_TClass

```
G__linked_taginfo G__HitsdictLN_TClass
```

7.23.3.8 G__HitsdictLN_TClonesArray

```
G__linked_taginfo G__HitsdictLN_TClonesArray
```

7.23.3.9 G__HitsdictLN_TMemberInspector

```
G__linked_taginfo G__HitsdictLN_TMemberInspector
```

7.23.3.10 G__HitsdictLN_TObject

G__linked_taginfo G__HitsdictLN_TObject

7.23.3.11 G__HitsdictLN_TRef

G__linked_taginfo G__HitsdictLN_TRef

7.23.3.12 G__HitsdictLN_TVectorTlEdoublegR

G__linked_taginfo G__HitsdictLN_TVectorTlEdoublegR

7.23.3.13 G__HitsdictLN_TVectorTlEfloatgR

G__linked_taginfo G__HitsdictLN_TVectorTlEfloatgR

7.23.3.14 G__HitsdictLN_vectorlEROOTcLcLTSchemaHelpercOallocatorlEROOTcLcLTSchemaHelpergRsPgR

G__linked_taginfo G__HitsdictLN_vectorlEROOTcLcLTSchemaHelpercOallocatorlEROOTcLcLTSchema←
HelpergRsPgR

7.23.3.15 G__HitsdictLN_vectorlETVirtualArraymUcOallocatorlETVirtualArraymUgRsPgR

G__linked_taginfo G__HitsdictLN_vectorlETVirtualArraymUcOallocatorlETVirtualArraymUgRsPgR

7.24 inc/Ical0DetectorParameterDef.hh File Reference

```
#include "G4SystemOfUnits.hh"
#include <fstream>
#include <iostream>
#include <iomanip>
#include <vector>
#include "G4ios.hh"
#include <G4String.hh>
#include <strings.h>
```

Include dependency graph for Ical0DetectorParameterDef.hh: This graph shows which files directly or indirectly include this file:

Classes

- class Ical0DetectorParameterDef

7.25 inc/InoCal0Hit.hh File Reference

```
#include "G4VHit.hh"
#include "G4ThreeVector.hh"
```
Include dependency graph for InoCal0Hit.hh: This graph shows which files directly or indirectly include this file:

Classes

- class InoCal0Hit

7.26 inc/InoCal1Hit.hh File Reference

```
#include "G4VHit.hh"
#include "G4ThreeVector.hh"
```
Include dependency graph for InoCal1Hit.hh: This graph shows which files directly or indirectly include this file:

Classes

- class InoCal1Hit

7.27 inc/InoCluster.h File Reference

```
#include <vector>
#include "micalDetectorParameterDef.hh"
```
Include dependency graph for InoCluster.h: This graph shows which files directly or indirectly include this file:

Classes

- class InoCluster

7.28 inc/InoDigiAlg.hh File Reference

```
#include "ParameterMessenger.hh"
#include "micalDetectorParameterDef.hh"
#include "MultiSimAnalysisDigi.hh"
#include "GeneralRecoInfo.hh"
#include "vect_manager.h"
#include "InoStrip.h"
#include "globals.hh"
#include "TH2.h"
#include "TH2D.h"
#include "TRandom.h"
#include "TMath.h"
```
Include dependency graph for InoDigiAlg.hh: This graph shows which files directly or indirectly include this file:

Classes

- class [InoDigiAlg](#)

7.29   inc/InoFittedTrack.h File Reference

```
#include <iostream>
#include "InoTrack.h"
#include <map>
#include "InoTrackCand.h"
```
Include dependency graph for InoFittedTrack.h: This graph shows which files directly or indirectly include this file:

Classes

- class [InoFittedTrack](#)

7.30   inc/InoHit.h File Reference

```
#include "InoStrip.h"
#include "micalDetectorParameterDef.hh"
#include "MultiSimAnalysisDigi.hh"
```
Include dependency graph for InoHit.h: This graph shows which files directly or indirectly include this file:

Classes

- class [InoHit](#)

7.31   inc/InoLinearTrackFitAlg.h File Reference

```
#include <vector>
#include "TVector3.h"
#include <TRandom3.h>
#include "TGeoManager.h"
#include "vect_manager.h"
#include "micalDetectorParameterDef.hh"
#include "MultiSimAnalysisDigi.hh"
#include "StraightLineFit.h"
#include <string>
#include <cstdlib>
#include "InoCluster.h"
```
Include dependency graph for InoLinearTrackFitAlg.h: This graph shows which files directly or indirectly include this file:

Classes

- class [InoLinearTrackFitAlg](#)

Variables

- const int layfirst =0
- const int laylast =9
- const int nlayer =11
- const float xyPosDev =3∗0.03/sqrt(12)

7.31.1 Variable Documentation

7.31.1.1 layfirst

```
const int layfirst =0
```

7.31.1.2 laylast

```
const int laylast =9
```

7.31.1.3 nlayer

```
const int nlayer =11
```

7.31.1.4 xyPosDev

```
const float xyPosDev =3*0.03/sqrt(12)
```

7.32 inc/InoMuRange.h File Reference

```
#include <vect_manager.h>
#include <fstream>
#include "TSpline.h"
```
Include dependency graph for InoMuRange.h: This graph shows which files directly or indirectly include this file:

Classes

- class InoMuRange

7.33 inc/InoNewFitAlg.h File Reference

```
#include <iostream>
#include <iomanip>
#include <cmath>
#include <fstream>
#include <vector>
#include "vect_manager.h"
#include "micalDetectorParameterDef.hh"
#include "MultiSimAnalysisDigi.hh"
#include "micalFieldPropagator.hh"
#include "SwimSwimmer.h"
#include "SwimParticle.h"
#include <sys/time.h>
#include "G4SystemOfUnits.hh"
#include <cassert>
#include "TMath.h"
#include "TVector3.h"
#include "TMatrixD.h"
#include "TMatrixDEigen.h"
```
Include dependency graph for InoNewFitAlg.h: This graph shows which files directly or indirectly include this file:

Classes

- class InoNewFitAlg

Variables

- const int nlayermx =10
- const int nvectormx =6

7.33.1 Variable Documentation

7.33.1.1 nlayermx

```
const int nlayermx =10
```

7.33.1.2 nvectormx

```
const int nvectormx =6
```

7.34 inc/InoNewTrackFitAlg.h File Reference

```
#include <vector>
#include "TVector3.h"
#include <TRandom3.h>
#include <InoMuRange.h>
#include "TGeoManager.h"
#include "vect_manager.h"
#include "micalDetectorParameterDef.hh"
#include "ParameterMessenger.hh"
#include "MultiSimAnalysisDigi.hh"
#include "micalFieldPropagator.hh"
#include "SwimSwimmer.h"
#include <string>
#include <cstdlib>
```
Include dependency graph for InoNewTrackFitAlg.h: This graph shows which files directly or indirectly include this file:

Classes

- class InoNewTrackFitAlg
- struct InoNewTrackFitAlg::ClustStruct
- struct InoNewTrackFitAlg::TrkDataStruct
- struct InoNewTrackFitAlg::FiltDataStruct

7.35 inc/old code/InoNewTrackFitAlg.h File Reference

```
#include <vector>
#include "TVector3.h"
#include <TRandom3.h>
#include <InoMuRange.h>
#include "TGeoManager.h"
#include "vect_manager.h"
#include "micalDetectorParameterDef.hh"
#include "MultiSimAnalysisDigi.hh"
#include "micalFieldPropagator.hh"
#include "SwimSwimmer.h"
#include <string>
#include <cstdlib>
```
Include dependency graph for InoNewTrackFitAlg.h: This graph shows which files directly or indirectly include this file:

Classes

- class InoNewTrackFitAlg
- struct InoNewTrackFitAlg::ClustStruct
- struct InoNewTrackFitAlg::TrkDataStruct
- struct InoNewTrackFitAlg::FiltDataStruct

7.36 inc/InoOldTrackFitAlg.h File Reference

```
#include <vector>
#include "TVector3.h"
#include "CLHEP/Vector/ThreeVector.h"
#include "CLHEP/Vector/LorentzVector.h"
#include "CLHEP/Matrix/Matrix.h"
#include "vect_manager.h"
#include "micalDetectorParameterDef.hh"
#include "MultiSimAnalysisDigi.hh"
#include "micalFieldPropagator.hh"
```
Include dependency graph for InoOldTrackFitAlg.h: This graph shows which files directly or indirectly include this file:

Classes

- class InoOldTrackFitAlg
- struct InoOldTrackFitAlg::ClustStruct
- struct InoOldTrackFitAlg::TrkDataStruct
- struct InoOldTrackFitAlg::FiltDataStruct

7.37 inc/old code/InoOldTrackFitAlg.h File Reference

```
#include <vector>
#include "TVector3.h"
#include "CLHEP/Vector/ThreeVector.h"
#include "CLHEP/Vector/LorentzVector.h"
#include "CLHEP/Matrix/Matrix.h"
#include "vect_manager.h"
#include "DetectorParameterDef.hh"
#include "MultiSimAnalysisDigi.hh"
#include "micalFieldPropagator.hh"
```
Include dependency graph for InoOldTrackFitAlg.h: This graph shows which files directly or indirectly include this file:

Classes

- class InoOldTrackFitAlg
- struct InoOldTrackFitAlg::ClustStruct
- struct InoOldTrackFitAlg::TrkDataStruct
- struct InoOldTrackFitAlg::FiltDataStruct

7.38   inc/InoRecoAlg.hh File Reference

```
#include "micalDetectorParameterDef.hh"
#include "ParameterMessenger.hh"
#include "MultiSimAnalysisDigi.hh"
#include "GeneralRecoInfo.hh"
#include "vect_manager.h"
#include "InoHit.h"
#include "InoTrackCand.h"
#include "InoTrack.h"
#include "InoTrackFinder.h"
#include "InoOldTrackFitAlg.h"
#include "InoNewTrackFitAlg.h"
#include "InoLinearTrackFitAlg.h"
#include "InoVertex.h"
#include "globals.hh"
#include "TCanvas.h"
#include "TStyle.h"
#include "TMatrixD.h"
#include "TMath.h"
#include "TMatrixDEigen.h"
#include "CmvHit.h"
#include "CmvLayExtra.h"
#include "CmvCluster.h"
```
Include dependency graph for InoRecoAlg.hh: This graph shows which files directly or indirectly include this file:

Classes

- class InoRecoAlg

7.39   inc/InoShowerCand.h File Reference

This graph shows which files directly or indirectly include this file:

Classes

- class InoShowerCand

7.40   inc/InoStrip.h File Reference

This graph shows which files directly or indirectly include this file:

Classes

- class InoStrip

7.41 inc/InoTrack.h File Reference

```
#include "TObject.h"
#include <vector>
#include <cstdlib>
#include <cmath>
```
Include dependency graph for InoTrack.h: This graph shows which files directly or indirectly include this file:

Classes

- class InoTrack

7.42 inc/InoTrackCand.h File Reference

```
#include "TObject.h"
#include <map>
```
Include dependency graph for InoTrackCand.h: This graph shows which files directly or indirectly include this file:

Classes

- class InoTrackCand

7.43 inc/InoTrackFinder.h File Reference

```
#include <vector>
#include "vect_manager.h"
#include "InoTrackSegment.h"
#include "micalDetectorParameterDef.hh"
#include "MultiSimAnalysisDigi.hh"
#include "GeneralRecoInfo.hh"
#include "ParameterMessenger.hh"
```
Include dependency graph for InoTrackFinder.h: This graph shows which files directly or indirectly include this file:

Classes

- class InoTrackFinder

7.44 inc/InoTrackSegment.h File Reference

```
#include <vector>
```
Include dependency graph for InoTrackSegment.h: This graph shows which files directly or indirectly include this file:

Classes

- class InoTrackSegment

7.45 inc/InoVertex.h File Reference

```
#include "TObject.h"
#include "TVector3.h"
```
Include dependency graph for InoVertex.h: This graph shows which files directly or indirectly include this file:

Classes

- class InoVertex

7.46 inc/micalDetectorParameterDef.hh File Reference

```
#include "G4SystemOfUnits.hh"
#include <fstream>
#include <iostream>
#include <iomanip>
#include <vector>
#include "G4ios.hh"
#include "ParameterMessenger.hh"
#include <G4String.hh>
#include <strings.h>
```
Include dependency graph for micalDetectorParameterDef.hh: This graph shows which files directly or indirectly include this file:

Classes

- class micalDetectorParameterDef

7.47 inc/micalFieldPropagator.hh File Reference

```
#include "micalDetectorParameterDef.hh"
#include "MultiSimAnalysisDigi.hh"
#include "G4ThreeVector.hh"
#include "G4SystemOfUnits.hh"
#include "vect_manager.h"
#include "TH1.h"
#include "TFile.h"
#include "TH2.h"
#include <fstream>
```
Include dependency graph for micalFieldPropagator.hh: This graph shows which files directly or indirectly include this file:

Classes

- class micalFieldPropagator

7.48 inc/MultiSimAnalysisDigi.hh File Reference

```
#include <vector>
#include "ParameterMessenger.hh"
#include "micalDetectorParameterDef.hh"
#include "TH1.h"
#include "TH2.h"
#include "TH3.h"
#include "TGraph.h"
#include "TGraphErrors.h"
#include "TGraph2D.h"
#include "TGraph2DErrors.h"
#include "TTree.h"
#include "TFile.h"
#include "RPCEve.h"
#include "globals.hh"
#include "Hits.h"
#include "HitPos.h"
#include "TProfile.h"
#include <iostream>
#include <fstream>
```
Include dependency graph for MultiSimAnalysisDigi.hh: This graph shows which files directly or indirectly include this file:

Classes

- struct vectGr
- class MultiSimAnalysisDigi

7.49 inc/old code/SwimSwimmer.h File Reference

```
#include "TVector3.h"
#include <cassert>
#include <cmath>
#include "vect_manager.h"
#include "TGeoManager.h"
#include "micalFieldPropagator.hh"
#include "micalDetectorParameterDef.hh"
```
Include dependency graph for SwimSwimmer.h: This graph shows which files directly or indirectly include this file:

Classes

- class SwimSwimmer

7.50   inc/SwimSwimmer.h File Reference

```
#include "TVector3.h"
#include <cassert>
#include <cmath>
#include "micalFieldPropagator.hh"
#include "micalDetectorParameterDef.hh"
#include "TGeoManager.h"
```
Include dependency graph for SwimSwimmer.h: This graph shows which files directly or indirectly include this file:

Classes

- class SwimSwimmer

7.51   inc/ParameterMessenger.hh File Reference

```
#include "globals.hh"
```
Include dependency graph for ParameterMessenger.hh: This graph shows which files directly or indirectly include this file:

Classes

- class ParameterMessenger

7.52   inc/RPCEve.h File Reference

```
#include <TROOT.h>
#include <TChain.h>
#include <TFile.h>
#include <TTimeStamp.h>
#include <TBits.h>
#include <vector>
```
Include dependency graph for RPCEve.h: This graph shows which files directly or indirectly include this file:

Classes

- class RPCEve

Macros

- #define NL 12
- #define NC 8

7.52.1   Macro Definition Documentation

7.52.1.1 NC

```
#define NC 8
```

7.52.1.2 NL

```
#define NL 12
```

7.53 inc/SipmHit.h File Reference

```
#include "CmvStrip.h"
#include "TRandom.h"
```
Include dependency graph for SipmHit.h: This graph shows which files directly or indirectly include this file:

Classes

- class SipmHit

7.54 inc/StraightLineFit.h File Reference

This graph shows which files directly or indirectly include this file:

Classes

- class StraightLineFit

Variables

- const int nlayerx =11

7.54.1 Variable Documentation

7.54.1.1 nlayerx

```
const int nlayerx =11
```

7.55   inc/SwimParticle.h File Reference

```
#include "TVector3.h"
#include "TMinuit.h"
```
Include dependency graph for SwimParticle.h: This graph shows which files directly or indirectly include this file:

Classes

- class SwimParticle

7.56   inc/vect_manager.h File Reference

```
#include <vector>
#include "InoCal0Hit.hh"
#include "InoCal1Hit.hh"
#include "InoStrip.h"
#include "InoHit.h"
#include "InoCluster.h"
#include "InoTrack.h"
#include "InoFittedTrack.h"
#include "InoTrackCand.h"
#include "TGeoManager.h"
#include "CmvStrip.h"
#include "SipmHit.h"
#include "CmvHit.h"
#include "CmvCluster.h"
#include "CmvLayExtra.h"
```
Include dependency graph for vect_manager.h: This graph shows which files directly or indirectly include this file:

Classes

- class InoTDCHitx_Manager
- class InoTDCHity_Manager
- class InoCal0Hit_Manager
- class InoCal1Hit_Manager
- class InoStrip_Manager
- class InoStripX_Manager
- class InoStripY_Manager
- class InoHit_Manager
- class InoCluster_Manager
- class InoTrack_Manager
- class InoFittedTrack_Manager
- class InoTrackCand_Manager
- class InoGeometry_Manager
- class InoRPCStrip_Manager
- class CmvStrip_Manager
- class SipmHit_Manager
- class CmvHit_Manager
- class CmvCluster_Manager
- class CmvLayExtra_Manager

7.57 issue_standalsone.txt File Reference

7.58 out.txt File Reference

7.59 out_sr.txt File Reference

7.60 Range.txt File Reference

7.61 src/anal_ical.cc File Reference

```
#include <iostream>
#include <iomanip>
#include <stdlib.h>
#include <fstream>
#include <time.h>
#include <map>
#include <utility>
#include "ParameterMessenger.hh"
#include "micalDetectorParameterDef.hh"
#include "micalFieldPropagator.hh"
#include "InoDigiAlg.hh"
#include "InoRecoAlg.hh"
#include "CMVDRecoAlg.hh"
#include "CMVDigiAlg.hh"
#include "GeneralRecoInfo.hh"
#include "MultiSimAnalysisDigi.hh"
#include "vect_manager.h"
```
Include dependency graph for anal_ical.cc:

Functions

- int main (int argc, char ∗∗argv)

    Main Function.

7.61.1 Function Documentation

7.61.1.1 main()

```
int main (
            int argc,
            char ** argv )
```

Main Function.

7.62 src/CmvCluster.cc File Reference

```
#include "CmvCluster.h"
#include <cmath>
#include "TMath.h"
#include <iostream>
```
Include dependency graph for CmvCluster.cc:

7.63 src/CMVDigiAlg.cc File Reference

```
#include "CMVDigiAlg.hh"
#include "TRandom.h"
#include "CLHEP/Random/RandGauss.h"
```
Include dependency graph for CMVDigiAlg.cc:

7.64 src/CMVDRecoAlg.cc File Reference

```
#include "CMVDRecoAlg.hh"
```
Include dependency graph for CMVDRecoAlg.cc:

7.65 src/CmvHit.cc File Reference

```
#include "CmvHit.h"
#include <cmath>
#include "TMath.h"
#include <iostream>
```
Include dependency graph for CmvHit.cc:

7.66 src/CmvLayExtra.cc File Reference

```
#include <cassert>
#include <iostream>
#include "CmvLayExtra.h"
#include <cmath>
#include "TMath.h"
```
Include dependency graph for CmvLayExtra.cc:

7.67 src/CmvStrip.cc File Reference

```
#include <cassert>
#include <iostream>
#include "CmvStrip.h"
#include <cmath>
#include "TMath.h"
```
Include dependency graph for CmvStrip.cc:

7.68   src/GeneralRecoInfo.cc File Reference

```
#include "GeneralRecoInfo.hh"
```
Include dependency graph for GeneralRecoInfo.cc:

7.69   src/HitPos.cc File Reference

```
#include "HitPos.h"
```
Include dependency graph for HitPos.cc:

7.70   src/HitPosdict.cc File Reference

```
#include <stddef.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <assert.h>
#include "RConfig.h"
#include "TClass.h"
#include "TDictAttributeMap.h"
#include "TInterpreter.h"
#include "TROOT.h"
#include "TBuffer.h"
#include "TMemberInspector.h"
#include "TVirtualMutex.h"
#include "TError.h"
#include "RtypesImp.h"
#include "TIsAProxy.h"
#include "TFileMergeInfo.h"
#include <algorithm>
#include "TCollectionProxyInfo.h"
#include "TDataMember.h"
#include "HitPos.h"
```
Include dependency graph for HitPosdict.cc:

Namespaces

- std
- ROOT

Macros

- #define R__DICTIONARY_FILENAME dOdOdIsrcdIHitPosdict
- #define G__DICTIONARY
- #define G__ROOT

Functions

- TGenericClassInfo ∗ [ROOT::GenerateInitInstance](#) (const ::[HitPos](#) ∗)
- [ROOT::R__UseDummy](#) (_R__UNIQUE_DICT_(Init))
- void [TriggerDictionaryInitialization_HitPosdict](#) ()

7.70.1 Macro Definition Documentation

7.70.1.1 G__DICTIONARY

```
#define G__DICTIONARY
```

7.70.1.2 G__ROOT

```
#define G__ROOT
```

7.70.1.3 R__DICTIONARY_FILENAME

```
#define R__DICTIONARY_FILENAME dOdOdIsrcdIHitPosdict
```

7.70.2 Function Documentation

7.70.2.1 TriggerDictionaryInitialization_HitPosdict()

```
void TriggerDictionaryInitialization_HitPosdict ( )
```

7.71 src/Hits.cc File Reference

```
#include "Hits.h"
```
Include dependency graph for Hits.cc:

7.72 src/Hitsdict.cc File Reference

```
#include <stddef.h>
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <assert.h>
#include "RConfig.h"
#include "TClass.h"
#include "TDictAttributeMap.h"
#include "TInterpreter.h"
#include "TROOT.h"
#include "TBuffer.h"
#include "TMemberInspector.h"
#include "TVirtualMutex.h"
#include "TError.h"
#include "RtypesImp.h"
#include "TIsAProxy.h"
#include "TFileMergeInfo.h"
#include <algorithm>
#include "TCollectionProxyInfo.h"
#include "TDataMember.h"
#include "Hits.h"
```
Include dependency graph for Hitsdict.cc:

Namespaces

- std
- ROOT

Macros

- #define R__DICTIONARY_FILENAME dOdOdIsrcdIHitsdict
- #define G__DICTIONARY
- #define G__ROOT

Functions

- TGenericClassInfo ∗ ROOT::GenerateInitInstance (const ::Hits ∗)
- ROOT::R__UseDummy (_R__UNIQUE_DICT_(Init))
- void TriggerDictionaryInitialization_Hitsdict ()

7.72.1 Macro Definition Documentation

7.72.1.1 G__DICTIONARY

```
#define G__DICTIONARY
```

7.72.1.2 G__ROOT

```
#define G__ROOT
```

7.72.1.3 R__DICTIONARY_FILENAME

```
#define R__DICTIONARY_FILENAME dOdOdIsrcdIHitsdict
```

7.72.2 Function Documentation

7.72.2.1 TriggerDictionaryInitialization_Hitsdict()

```
void TriggerDictionaryInitialization_Hitsdict ( )
```

7.73 src/InoCal0Hit.cc File Reference

```
#include "InoCal0Hit.hh"
```
Include dependency graph for InoCal0Hit.cc:

7.74 src/InoCal1Hit.cc File Reference

```
#include "InoCal1Hit.hh"
```
Include dependency graph for InoCal1Hit.cc:

7.75 src/InoCluster.cc File Reference

```
#include "InoCluster.h"
#include "InoHit.h"
#include "TMath.h"
#include <iostream>
```
Include dependency graph for InoCluster.cc:

7.76 src/InoDigiAlg.cc File Reference

```
#include "InoDigiAlg.hh"
#include "TRandom.h"
#include "CLHEP/Random/RandGauss.h"
```
Include dependency graph for InoDigiAlg.cc:

7.77 src/InoFittedTrack.cc File Reference

```
#include "InoFittedTrack.h"
#include "TString.h"
```
Include dependency graph for InoFittedTrack.cc:

7.78 src/InoHit.cc File Reference

```
#include "InoHit.h"
#include <cmath>
#include "TMath.h"
#include <iostream>
```
Include dependency graph for InoHit.cc:

7.79 src/InoLinearTrackFitAlg.cc File Reference

```
#include "InoLinearTrackFitAlg.h"
```
Include dependency graph for InoLinearTrackFitAlg.cc:

7.80 src/InoMuRange.cc File Reference

```
#include <fstream>
#include <iostream>
#include <InoMuRange.h>
```
Include dependency graph for InoMuRange.cc:

7.81 src/InoNewFitAlg.cc File Reference

```
#include "InoNewFitAlg.h"
```
Include dependency graph for InoNewFitAlg.cc:

7.82 src/InoNewTrackFitAlg.cc File Reference

```
#include <cmath>
#include "TMath.h"
#include <cassert>
#include "TSpline.h"
#include "TVector3.h"
#include <sys/time.h>
#include "vect_manager.h"
#include "SwimParticle.h"
#include "InoNewTrackFitAlg.h"
#include <string>
#include <math.h>
```

```
#include <vector>
#include <fstream>
#include <cstdlib>
#include "InoTrack.h"
#include <TRandom3.h>
#include "InoCluster.h"
#include "SwimSwimmer.h"
#include <Math/ProbFunc.h>
#include "InoTrackSegment.h"
```
Include dependency graph for InoNewTrackFitAlg.cc:

Macros

- #define MINLAYER 3

7.82.1 Macro Definition Documentation

7.82.1.1 MINLAYER

```
#define MINLAYER 3
```

7.83 src/InoOldTrackFitAlg.cc File Reference

```
#include <cassert>
#include <cmath>
#include "TMath.h"
#include "TVector3.h"
#include "InoOldTrackFitAlg.h"
#include "TRandom.h"
#include "vect_manager.h"
#include "SwimSwimmer.h"
#include "SwimParticle.h"
#include <sys/time.h>
#include "G4SystemOfUnits.hh"
#include "Fcnsg.h"
```
Include dependency graph for InoOldTrackFitAlg.cc:

Macros

- #define MINLAYER 3

7.83.1 Macro Definition Documentation

7.83.1.1 MINLAYER

```
#define MINLAYER 3
```

7.84 src/New/InoOldTrackFitAlg.cc File Reference

```
#include <cassert>
#include <cmath>
#include "TMath.h"
#include "TVector3.h"
#include "InoOldTrackFitAlg.h"
#include "TRandom.h"
#include "vect_manager.h"
#include "SwimSwimmer.h"
#include "SwimParticle.h"
#include <sys/time.h>
#include "G4SystemOfUnits.hh"
#include "Fcnsg.h"
```
Include dependency graph for InoOldTrackFitAlg.cc:

Macros

- #define [MINLAYER](#) 3

7.84.1 Macro Definition Documentation

7.84.1.1 MINLAYER

```
#define MINLAYER 3
```

7.85 src/InoRecoAlg.cc File Reference

```
#include "InoRecoAlg.hh"
```
Include dependency graph for InoRecoAlg.cc:

7.86 src/InoShowerCand.cc File Reference

```
#include "TMath.h"
#include <cassert>
#include <cmath>
#include <iostream>
#include "InoCluster.h"
#include "InoHit.h"
#include "InoTrackCand.h"
#include "InoShowerCand.h"
```
Include dependency graph for InoShowerCand.cc:

7.87 src/InoStrip.cc File Reference

```
#include <cassert>
#include <iostream>
#include "InoStrip.h"
```
Include dependency graph for InoStrip.cc:

7.88 src/InoTrack.cc File Reference

```
#include "InoTrack.h"
#include "InoCluster.h"
#include "TMath.h"
#include "InoTrackSegment.h"
#include <iostream>
```
Include dependency graph for InoTrack.cc:

7.89 src/InoTrackCand.cc File Reference

```
#include "TMath.h"
#include <cassert>
#include <cmath>
#include <iostream>
#include "TVector3.h"
#include "vect_manager.h"
#include "InoVertex.h"
#include "InoTrackCand.h"
#include "InoShowerCand.h"
```
Include dependency graph for InoTrackCand.cc:

7.90 src/InoTrackFinder.cc File Reference

```
#include <cassert>
#include <cmath>
#include <iomanip>
#include "TMinuit.h"
#include "TRandom.h"
#include "InoTrackFinder.h"
#include "TObjArray.h"
#include "CLHEP/Matrix/Matrix.h"
#include "CLHEP/Matrix/SymMatrix.h"
#include "CLHEP/Matrix/DiagMatrix.h"
#include "CLHEP/Matrix/Vector.h"
```
Include dependency graph for InoTrackFinder.cc:

7.91 src/InoTrackSegment.cc File Reference

```
#include "InoTrackSegment.h"
#include "InoCluster.h"
#include "InoHit.h"
#include "math.h"
#include <iostream>
```
Include dependency graph for InoTrackSegment.cc:

7.92 src/InoVertex.cc File Reference

```
#include <iostream>
#include "InoVertex.h"
#include "TString.h"
#include "TMinuit.h"
#include "TVector3.h"
```
Include dependency graph for InoVertex.cc:

7.93 src/micalDetectorParameterDef.cc File Reference

```
#include "micalDetectorParameterDef.hh"
#include "G4SystemOfUnits.hh"
#include "G4RotationMatrix.hh"
#include "ParameterMessenger.hh"
```
Include dependency graph for micalDetectorParameterDef.cc:

7.94 src/micalFieldPropagator.cc File Reference

```
#include "micalFieldPropagator.hh"
```
Include dependency graph for micalFieldPropagator.cc:

Macros

- #define interpolate 1

7.94.1 Macro Definition Documentation

7.94.1.1 interpolate

```
#define interpolate 1
```

7.95 src/MultiSimAnalysisDigi.cc File Reference

```
#include "MultiSimAnalysisDigi.hh"
```
Include dependency graph for MultiSimAnalysisDigi.cc:

7.96 src/New/SwimSwimmer.cc File Reference

```
#include "SwimSwimmer.h"
#include "SwimParticle.h"
#include "TMath.h"
#include <string>
#include <cassert>
#include <iostream>
```
Include dependency graph for SwimSwimmer.cc:

7.97 src/SwimSwimmer.cc File Reference

```
#include "SwimSwimmer.h"
#include "SwimParticle.h"
#include "TMath.h"
#include <string>
#include <cassert>
#include <iostream>
```
Include dependency graph for SwimSwimmer.cc:

7.98 src/ParameterMessenger.cc File Reference

```
#include "ParameterMessenger.hh"
#include <libconfig.h++>
```
Include dependency graph for ParameterMessenger.cc:

7.99 src/RPCEve.cc File Reference

```
#include "RPCEve.h"
#include <TH2.h>
#include <TStyle.h>
#include <TCanvas.h>
```
Include dependency graph for RPCEve.cc:

Macros

- #define RPCEve_cxx

7.99.1 Macro Definition Documentation

7.99.1.1 RPCEve_cxx

```
#define RPCEve_cxx
```

7.100 src/SipmHit.cc File Reference

```
#include <cassert>
#include <iostream>
#include "SipmHit.h"
```
Include dependency graph for SipmHit.cc:

7.101 src/StraightLineFit.cc File Reference

```
#include <iostream>
#include <iomanip>
#include <cmath>
#include <fstream>
#include "StraightLineFit.h"
```
Include dependency graph for StraightLineFit.cc:

Variables

- const double cvalx = 0.29979
- unsigned int mypow_2 [32] = {1, 2, 4, 8, 16, 32, 64, 128, 256, 512, 1024, 2048}

7.101.1 Variable Documentation

7.101.1.1 cvalx

```
const double cvalx = 0.29979
```

7.101.1.2 mypow_2

```
unsigned int mypow_2[32] = {1, 2, 4, 8, 16, 32, 64, 128, 256, 512, 1024, 2048}
```

7.102 src/SwimParticle.cc File Reference

```
#include "SwimParticle.h"
#include "TMath.h"
```
Include dependency graph for SwimParticle.cc:

7.103 src/tmp.txt File Reference

7.104 src/vect_manager.cc File Reference

#include "vect_manager.h"

Include dependency graph for vect_manager.cc:

7.105 temp/tmpout_surya.txt File Reference

Functions

- ∗mm parino ∗mm parlay ∗mm parirlay ∗mm pargas ∗mm parmod ∗mm parchm ∗mm parhcoil ∗mm parcoil-support ∗mm parcoilspacerpc ∗mm RPC shift Stack shift No of Strips (X:Y)(58

Variables

- layerpos [0]
- ∗ mm
- ∗mm parino ∗mm parlay ∗mm parirlay ∗mm pargas ∗mm parmod ∗mm parchm ∗mm parhcoil ∗mm parcoil-support ∗mm parcoilspacerpc ∗mm RPC shift Stack shift No of xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx Imported geometry file geo_mical_world gdml irlayZ rpclayZ ironrpcZ nLayer nIRLayer gapino parino[0] parirlay[0] StackShift[0] parino[1] parirlay[1] StackShift[1] parino[2] parirlay[2] StackShift[2] Field Map file being read opened rootfiles data_test_digi log ffoutname data_test_digi Output stored in root file

7.105.1 Function Documentation

7.105.1.1 Strips()

```
∗ mm parino ∗ mm parlay ∗ mm parirlay ∗ mm pargas ∗ mm parmod ∗ mm parchm ∗ mm parhcoil ∗ mm
parcoilsupport ∗ mm parcoilspacerpc ∗ mm RPC shift Stack shift No of Strips (
            X:Y  )
```

7.105.2 Variable Documentation

7.105.2.1 file

```
∗ mm parino ∗ mm parlay ∗ mm parirlay ∗ mm pargas ∗ mm parmod ∗ mm parchm ∗ mm parhcoil ∗ mm
parcoilsupport ∗ mm parcoilspacerpc ∗ mm RPC shift Stack shift No of xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Imported geometry file geo_mical_world gdml irlayZ rpclayZ ironrpcZ nLayer nIRLayer gapino
parino [0] parirlay [0] StackShift [0] parino [1] parirlay [1] StackShift [1] parino [2] parirlay
[2] StackShift [2] Field Map file being read opened rootfiles data_test_digi log ffoutname
data_test_digi Output stored in root file
```

7.105.2.2   layerpos

```
layerpos[0]
```

Initial value:
```
= -454.5 -404
```
layerpos[1] = -353.5 -303
layerpos[2] = -252.5 -202
layerpos[3] = -151.5 -101
layerpos[4] = -50.5 0
layerpos[5] = 50.5 101
layerpos[6] = 151.5 202
layerpos[7] = 252.5 303
layerpos[8] = 353.5 404
layerpos[9] = 454.5 505
```
---------------------------------------------------------
Detector Parameters
parworld 1e+06*mm
```

7.105.2.3   mm

```
*mm parino *mm parlay *mm parirlay *mm pargas *mm parmod *mm parchm *mm parhcoil *mm parcoilsupport
*mm parcoilspacerpc * mm
```