
Subject: [FIXED] Problem with FTS Mapper PndFtsMapCreator

Posted by [Denis Bertini](#) on Mon, 20 Jan 2014 10:49:18 GMT

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Hi

I found some inconsistencies with the geometry information corresponding the straw tubes in the FS.

All FS straw tubes (PndFtsTube Objects) are stored in a TClonesArray and indexed vis the TubeID.

A dump of values shows that for the 2nd layer the tube position is wrong (notably wrong Z) :

-I- PndFtsClusterFinder:: ReadFtsHits()

-I- Digits Data: fHits[0] is branchID 5 name# FTSHit entries# 49

-I- PndFtsClusterFinder ChamberID# 1 LayerID# 1 TubeID# 51

-I- PndFtsClusterFinder Tube position X: 13.635 Y:0 Z:294.895 R_meas: 0.208595

-I- PndFtsClusterFinder wire direction

wx# 0 wy# 1 wz# 0

0

-I- PndFtsClusterFinder ChamberID# 1 LayerID# 2 TubeID# 192

-I- PndFtsClusterFinder Tube position X: -95.95 Y:0 Z:423.765 R_meas: 0.330289

-I- PndFtsClusterFinder wire direction

wx# 0 wy# 1 wz# 0

The Z position should be instead Z=295.75 ?

Any idea ?