



# BeamTestTuple Updates

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- ACD backslash variables added (thanks Eric) :
  - `AcdCalEntryPt[10][2][3]`, `AcdCalEntryVec[10][2][3]`,  
`AcdTileSolidAngle[10][2]`, `AcdWeightedTrackAngle[10][2]`,  
`AcdWeightedPathLength[10][2]`
  - Needs several ROOT package updates : coming BeamTest release
  - Needs testing
- AD variables waiting for implementation.
- Vtx added variables into merit : `VtxThetaErr` and `VtxPhiErr` (thanks Leon)
- Doxygen documentation updated (linked in the workbook)
- Questions about some array sizes :
  - **CalTuple** : did we drop the ball about going 16->3/4?
  - **Numbering scheme** : do we really have to live with indexing that starts with the bay which has no CAL/no TKR?  
  
If we go the other way round : TKR var arrays of dim 2, CAL var arrays of dim 3, and we have natural mapping array index <-> geometry