



Developments for the group production

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ATLAS Software & Computing Workshop

30th Nov. 2010

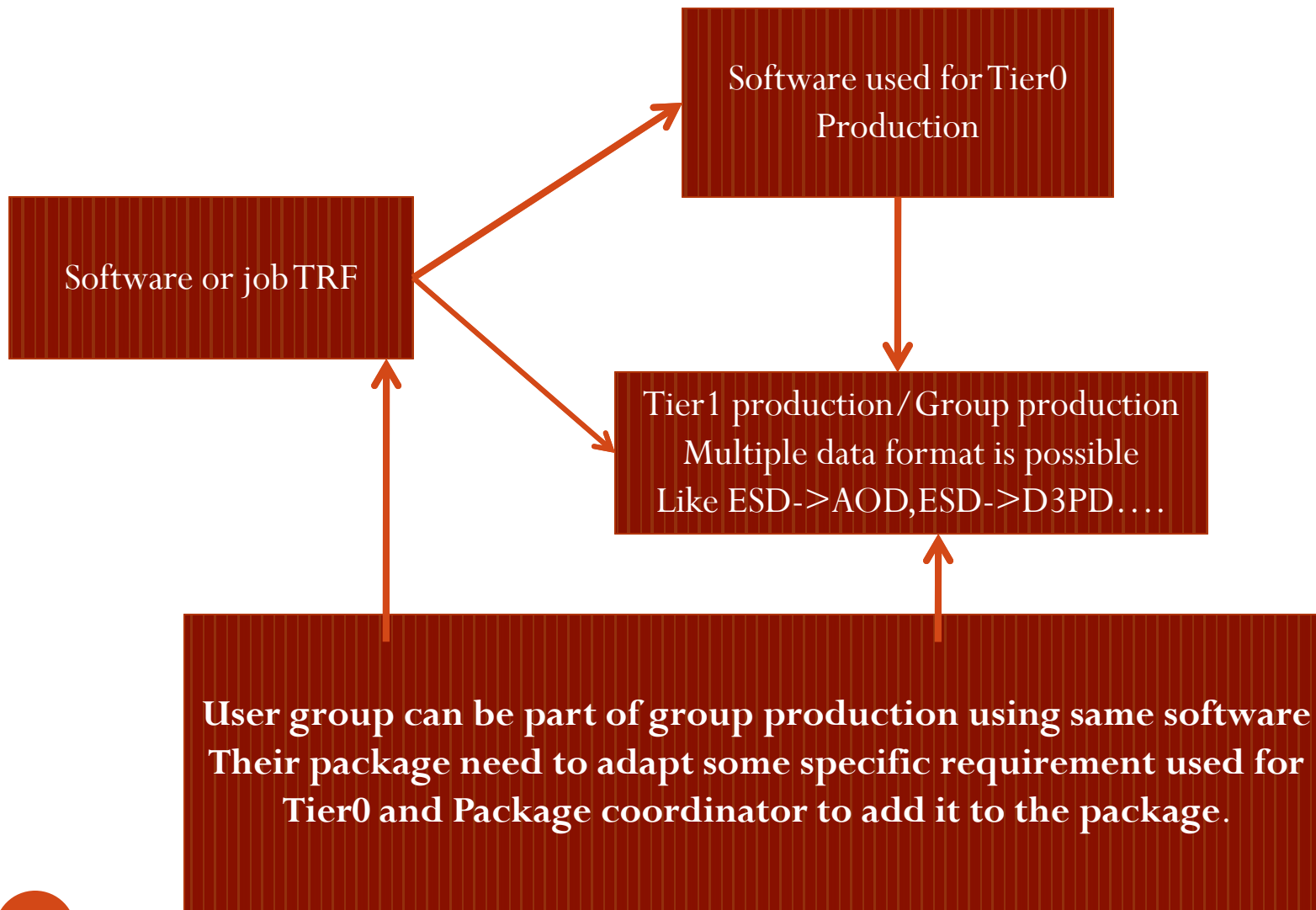


Group Production news

- There are more than 30 D3PDs are produced by the group production
- We encourage more analysis groups to be part of it to use production system (grid computing system) efficiently.
- There is room to improve the tool to use the production system by users/groups.
- Allow more executable to be used in production system.

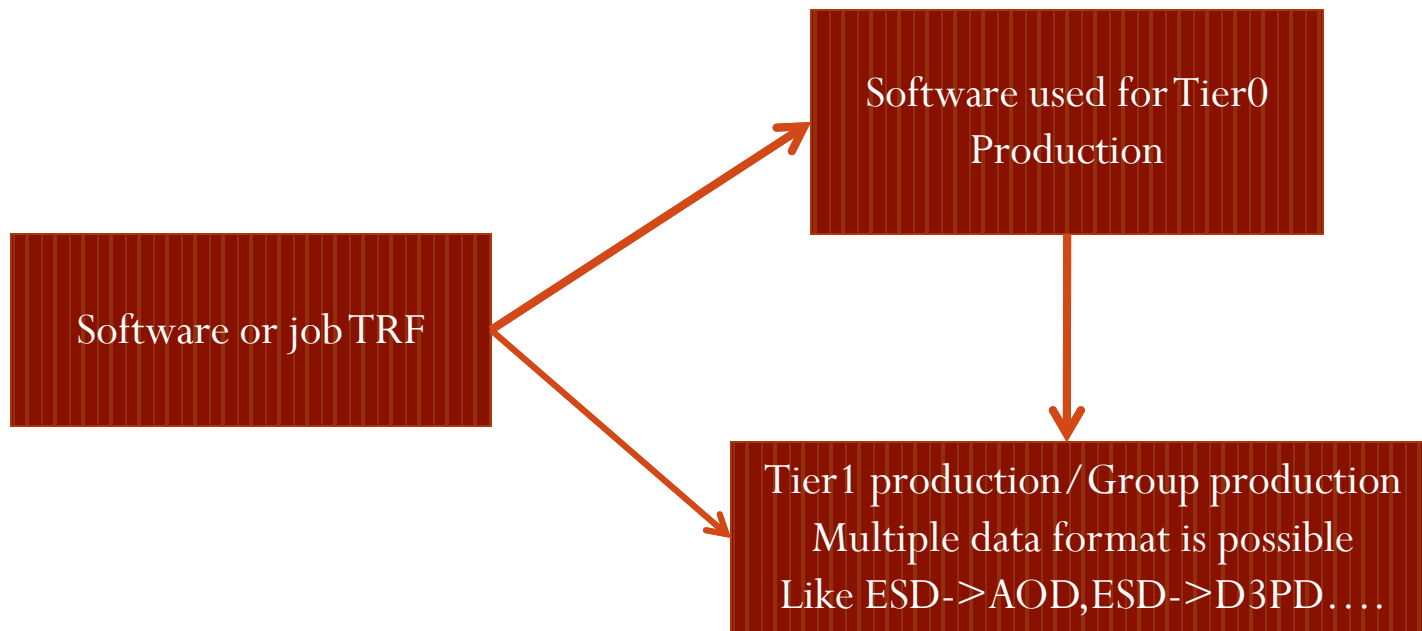


Group Production for Phys. group





Group Production for Phys. group



User group can be part of group production using same software
Their package need to adapt some specific requirement used for Tier0
Package coordinator (do not need) to add it to the package. Procedure for running on the production remains same as before. "Naming of user output is done dynamically".



How to use new set up

User package need to add in their joboption:

```
from PATJobTransforms.OutputsMgr import outputsMgr
from MinBiasD3PDMaker.MinBiasD3PDMakerFlags import minbiasD3PDflags
minbiasD3PDflags.FileName = outputsMgr.getFileName(dataTypeKey='userOutputTest',defaultName='myName.root')
```

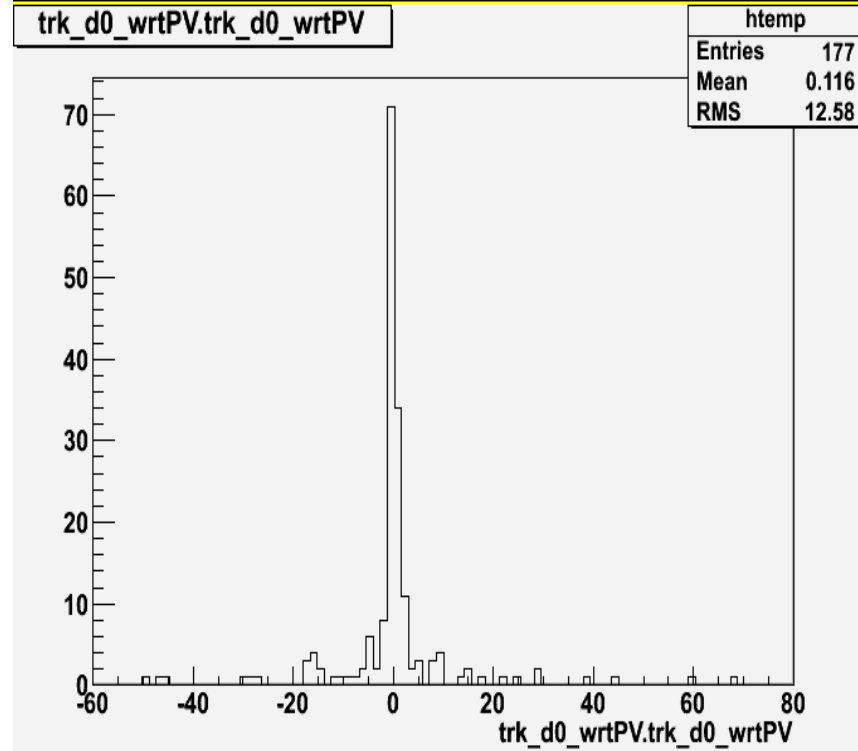
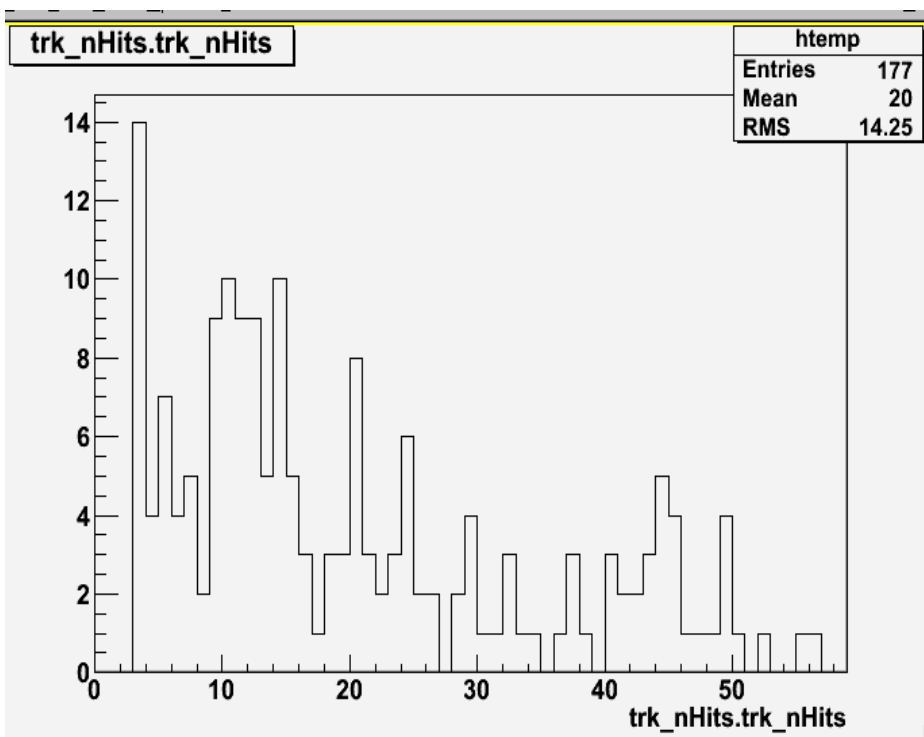
```
Reco_trf.py preInclude=MinBiasD3PDMaker/MinBiasD3PD_configure.py
postInclude=MinBiasD3PD_jobOptions.py inputESDFile=ESD.pool.root autoConfiguration=
everything userOutputTest=ntup.root maxEvents=5 | tee Log.txt
```

```
Test ESD data set::data10_7TeV.00152166.physics_MinBias.merge.ESD.f239_p145_tid134325_00
/ESD.134325._000058.pool.root.1
```

For the test: MinBiasD3PDMaker package is used



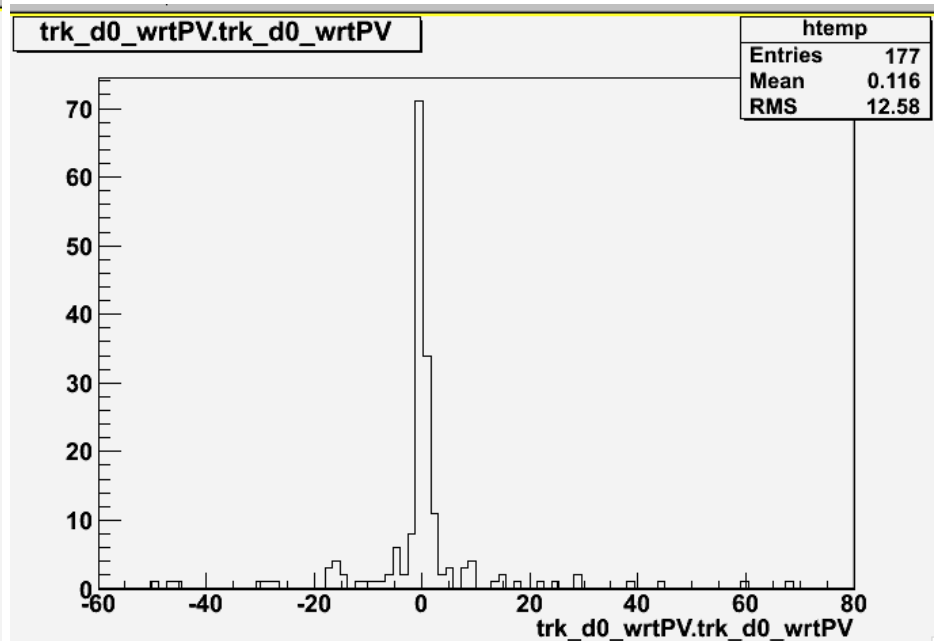
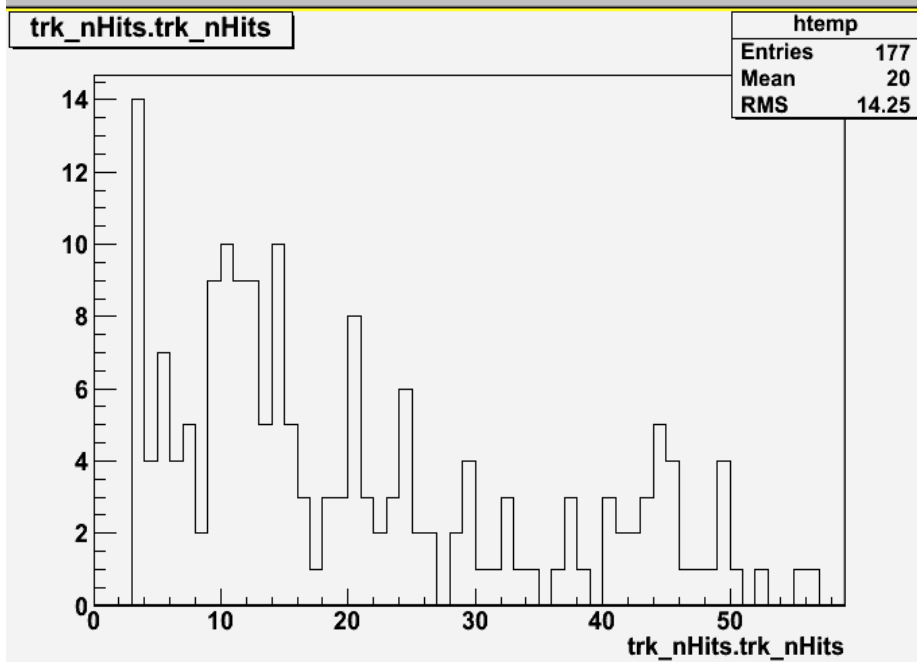
Test Results



Results using new software: PATJobTransforms-00-02-93



Test results using old software



Reco_trf.py preInclude=MinBiasD3PDMaker/MinBiasD3PD_configure.py postInclude=
MinBiasD3PDMaker/MinBiasD3PD_jobOptions.py inputESDFile=ESD.pool.root autoConfiguration=
everything **outputNTUP_MINBIASFile**=ntupminbias.root maxEvents=5 >& log &



Summary

- New software is tested using MinBiasD3PDMaker and available for use. (PATJobTransforms-00-02-93)
- It will be easier for groups/Users to be part of the group production.
- Dynamic output naming is available.
- Documentation for users/group will be available soon.
- Adapting pathena/prun for the production system.