

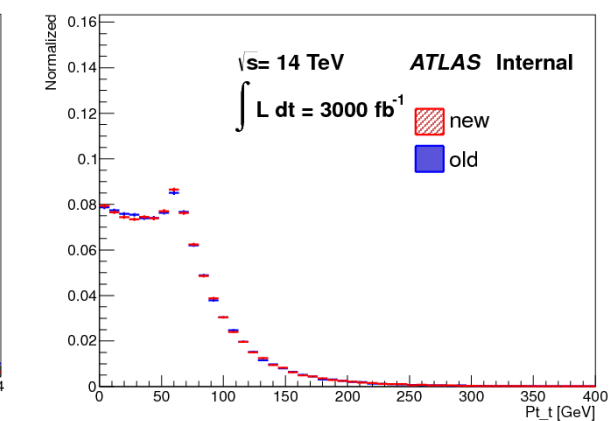
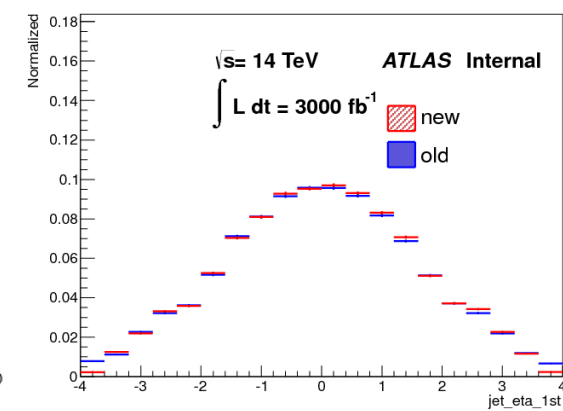
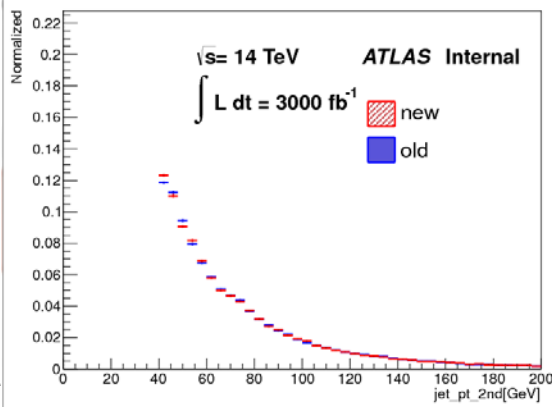
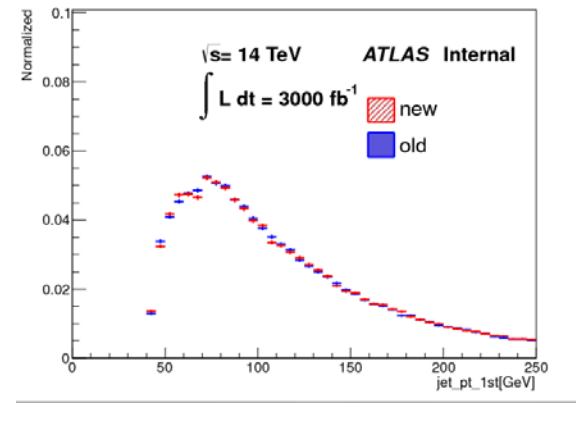
Weekly

Huijun

2015/07/27

VBF $h \rightarrow \gamma\gamma$ analysis

- HP group has developed a new analysis frame, the validation is down
- New jet pt threshold: 40GeV
- New smearing functions



VBF $h \rightarrow \gamma\gamma$ analysis

- Ongoing studies:

fake vbf final state ($\gamma\gamma jj$) due to $pp \rightarrow \gamma\gamma$ process + jets from PU

Performance on new defined scenarios: gold silver bronze

for more details:

https://indico.cern.ch/event/401920/contribution/3/attachments/805176/1103489/UpgradePerformanceFunctions_UpgradePhysics_20150618.pdf

Remaining Issue:

Who knows how to set gcc to 4.8.0 on atlasui06, please tell me?

VBF $H \rightarrow \gamma \gamma$ analysis for runII

- The code is under
`/afs/ihep.ac.cn/users/z/zhanghj/workfs/run2/ProdModesAnalysis`
- I will investigate them soon