

Summary of the tracking changes

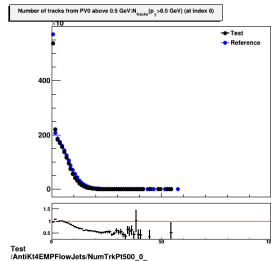
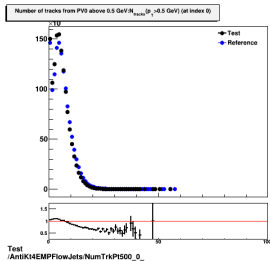
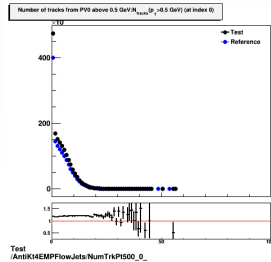
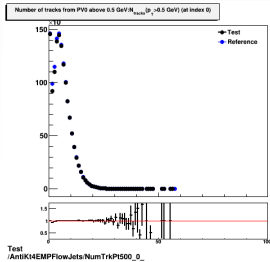
Christian Kirfel

5th September 2020

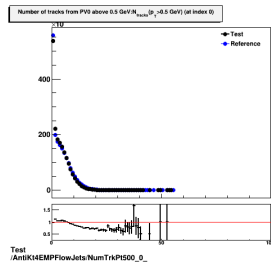
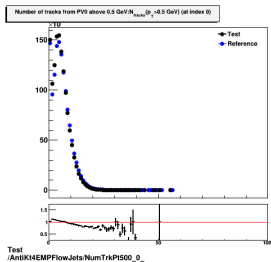
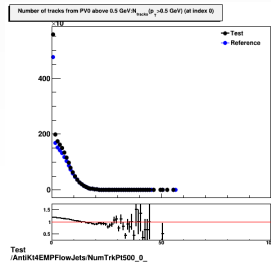
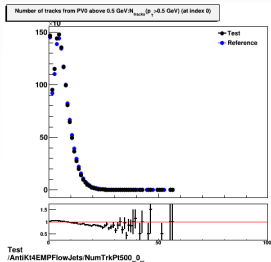
Intro

- Seven comparisons per variable:
 - ① r21 versus February r22 without tracking changes
(<https://its.cern.ch/jira/browse/ATLPHYSVAL-644>)
 - ② r21 versus February r22 with tracking changes
(<https://its.cern.ch/jira/browse/ATLPHYSVAL-644>)
 - ③ February r22 without tracking changes versus February r22 with tracking changes
 - ④ February r22 with tracking changes versus May r22
 - ⑤ May r22 versus May r22 with r21 digitization
 - ⑥ May r22 with r21 digitization versus February r21 with tracking changes
 - ⑦ July intermediate r22 versus May r22
- Presentation shows all plots with and without pile-up variable-wise. Plots on the right are with pile-up (Task2)
- For all plots see: [WEBPAGE](#)

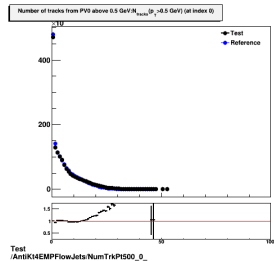
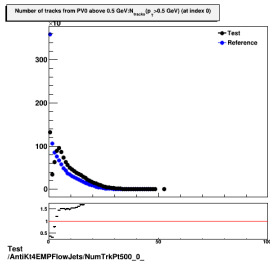
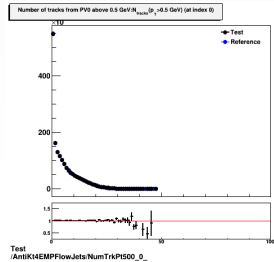
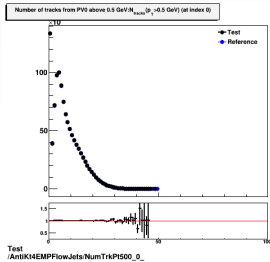
NumTrkPt500 Comparison 1&2



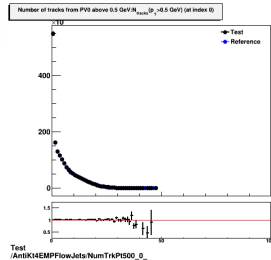
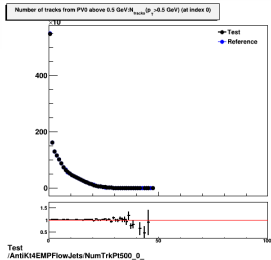
NumTrkPt500 Comparison 3&4



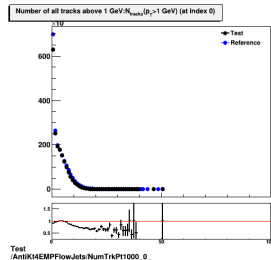
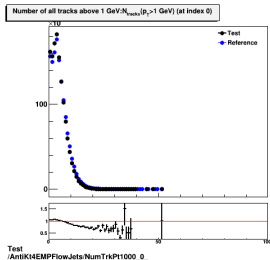
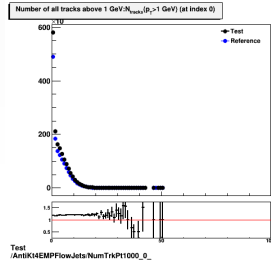
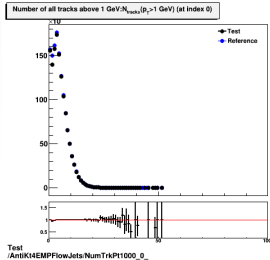
NumTrkPt500 Comparison 5&6



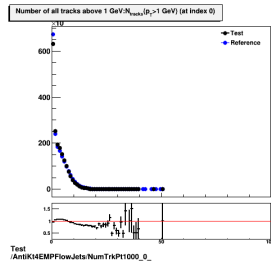
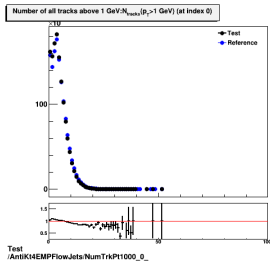
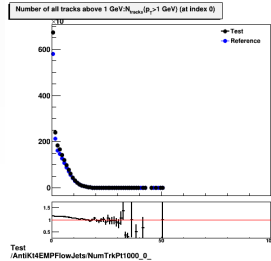
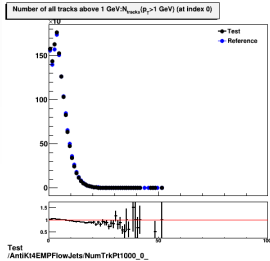
NumTrkPt500 Comparison 7



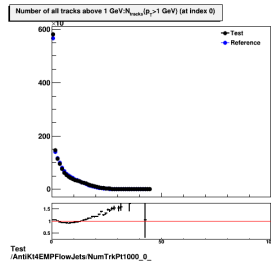
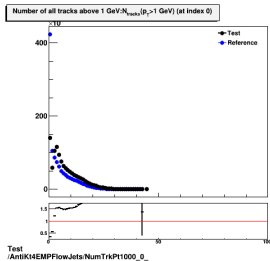
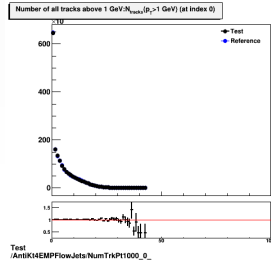
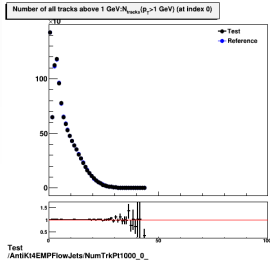
NumTrkPt1000 Comparison 1&2



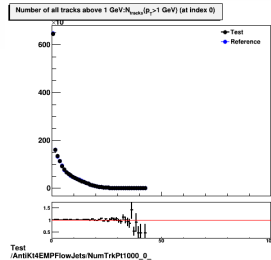
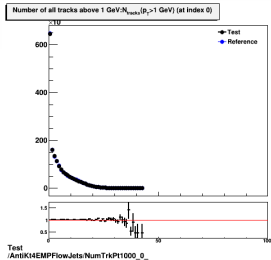
NumTrkPt1000 Comparison 3&4



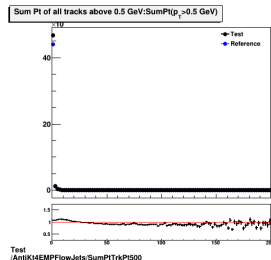
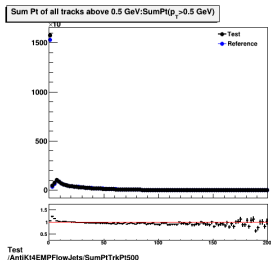
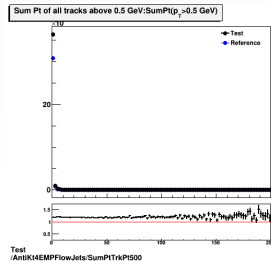
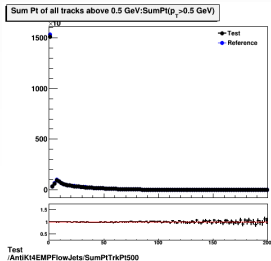
NumTrkPt1000 Comparison 5&6



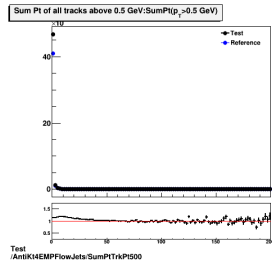
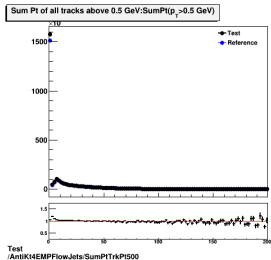
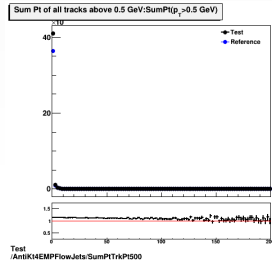
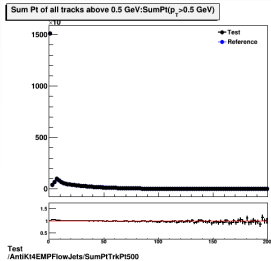
NumTrkPt1000 Comparison 7



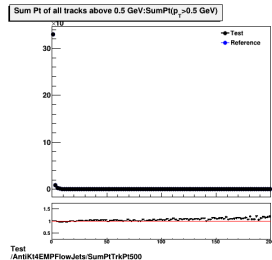
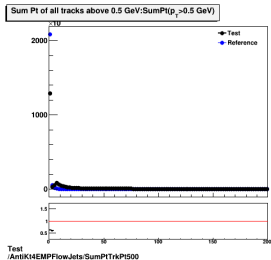
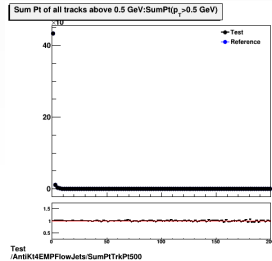
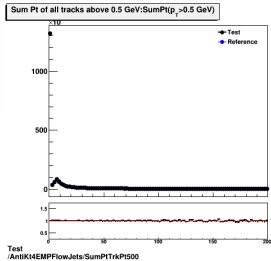
SumPtTrkPt500 Comparison 1&2



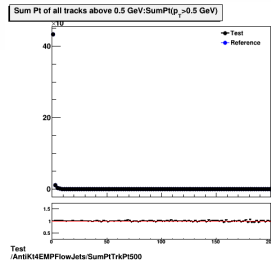
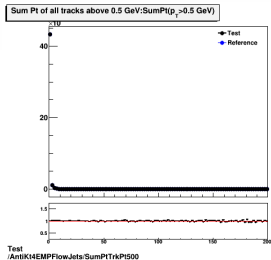
SumPtTrkPt500 Comparison 3&4



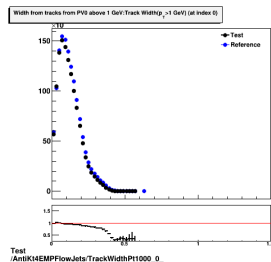
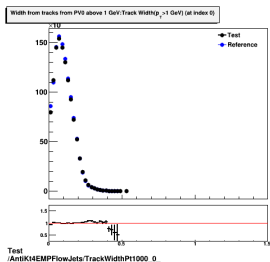
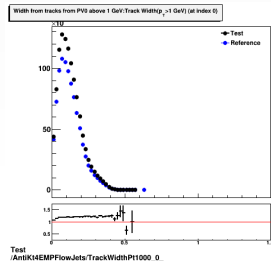
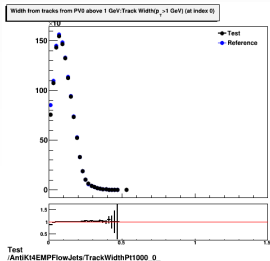
SumPtTrkPt500 Comparison 5&6



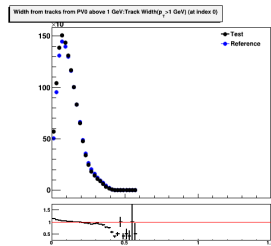
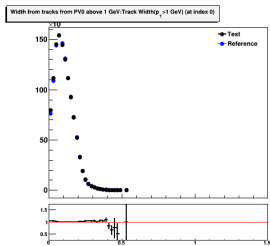
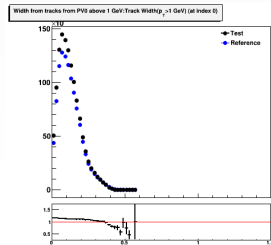
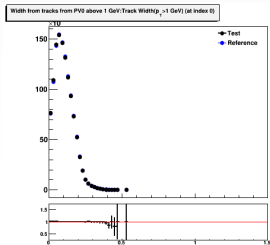
SumPtTrkPt500 Comparison 7



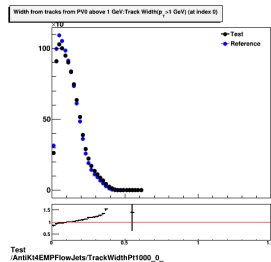
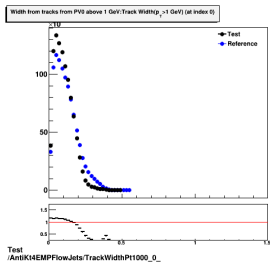
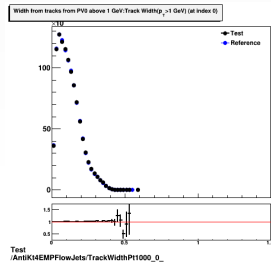
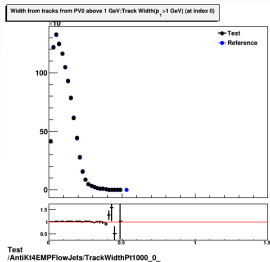
TrackWidth1000 Comparison 1&2



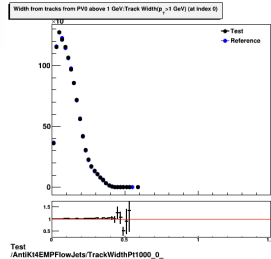
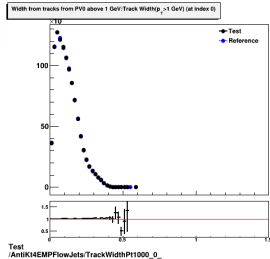
TrackWidth1000 Comparison 3&4



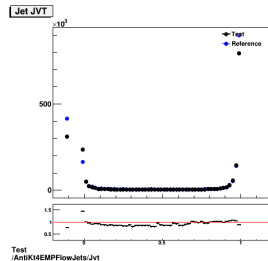
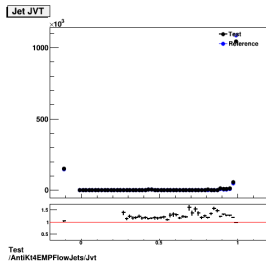
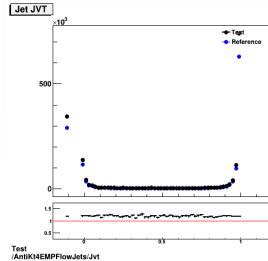
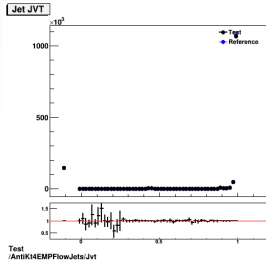
TrackWidth1000 Comparison 5&6



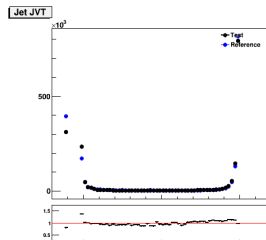
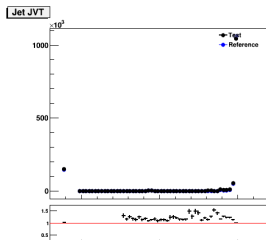
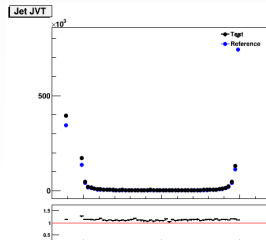
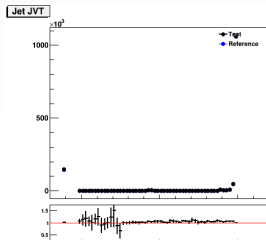
TrackWidth1000 Comparison 7



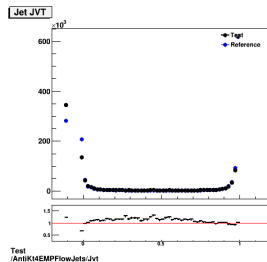
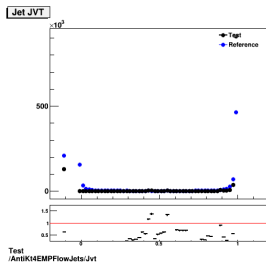
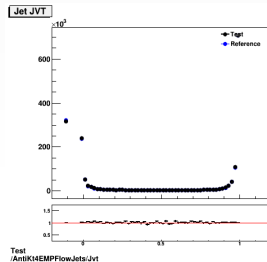
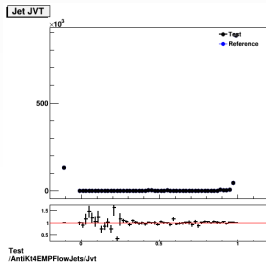
Jvt Comparison 1&2



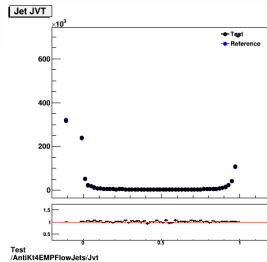
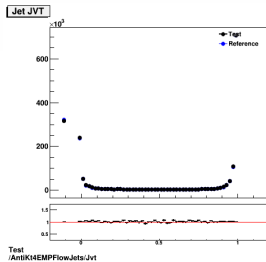
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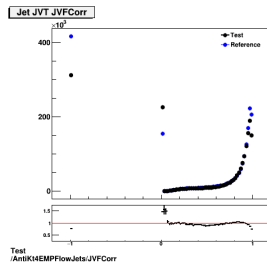
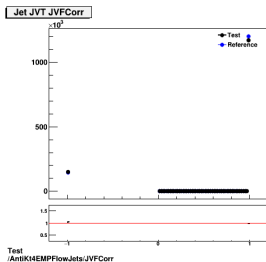
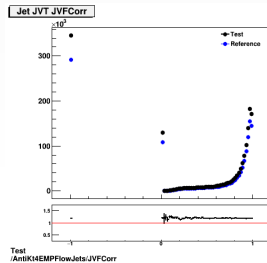
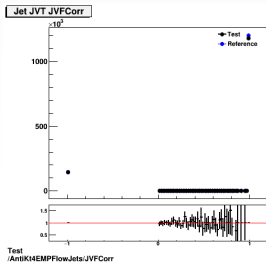
Jvt Comparison 5&6



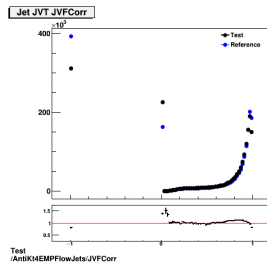
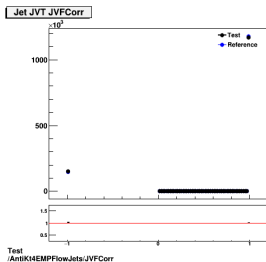
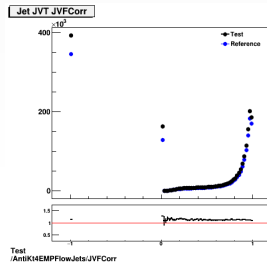
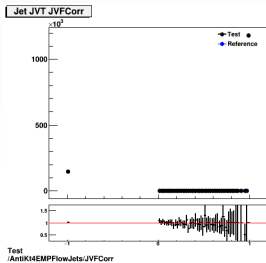
Jvt Comparison 7



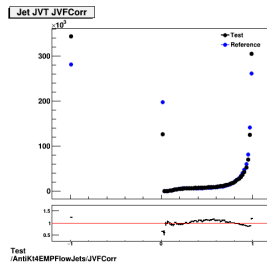
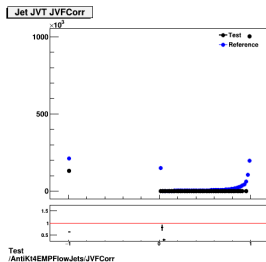
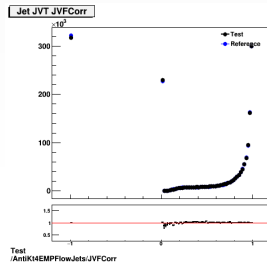
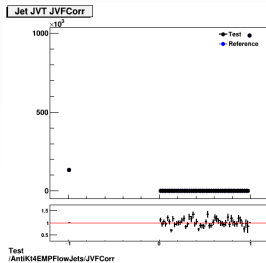
JVFCorr Comparison 1&2



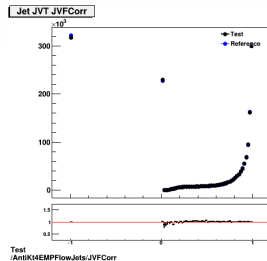
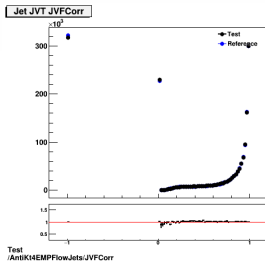
JVFCorr Comparison 3&4



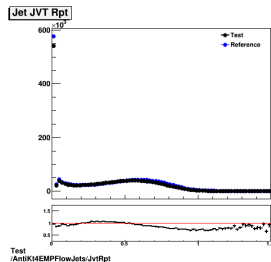
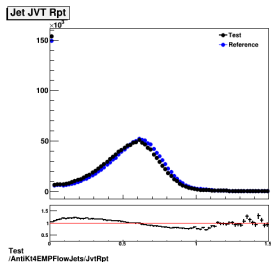
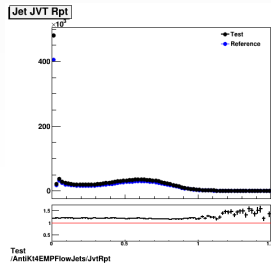
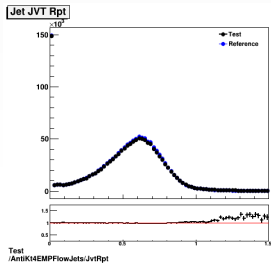
JVFCorr Comparison 5&6



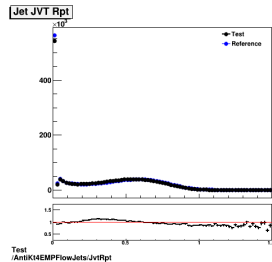
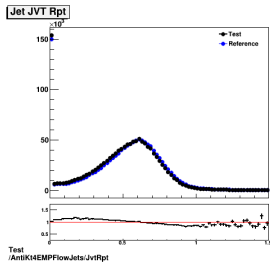
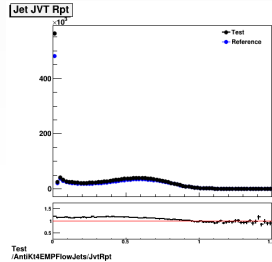
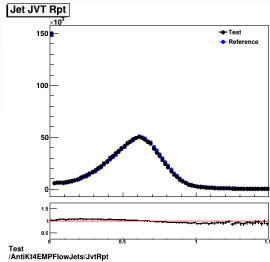
JVFCorr Comparison 7



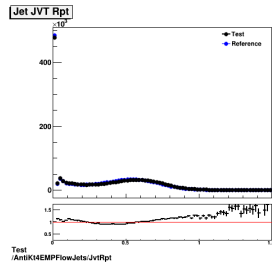
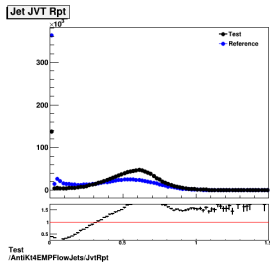
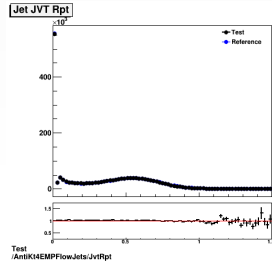
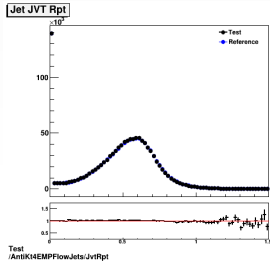
JvtRpt Comparison 1&2



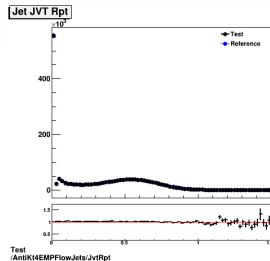
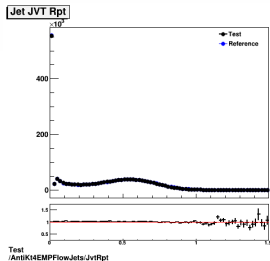
JvtRpt Comparison 3&4



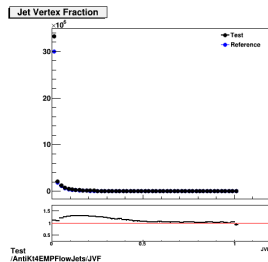
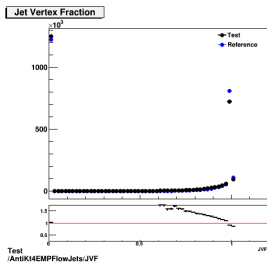
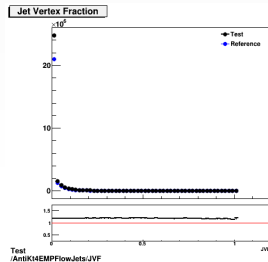
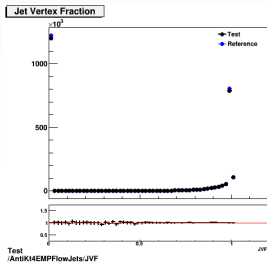
JvtRpt Comparison 5&6



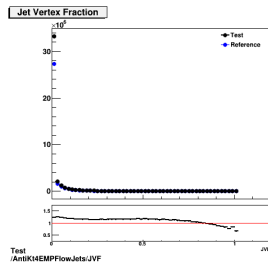
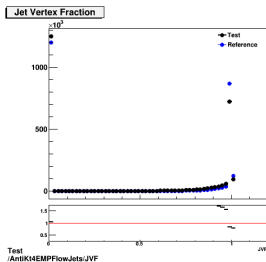
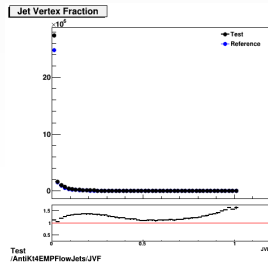
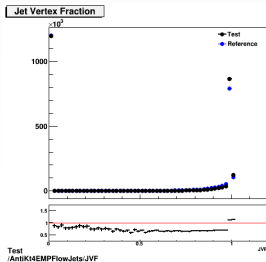
JvtRpt Comparison 7



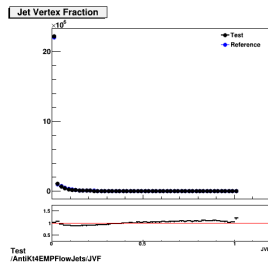
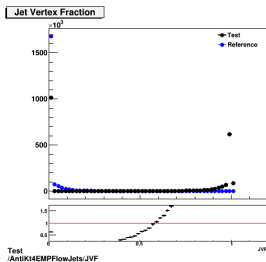
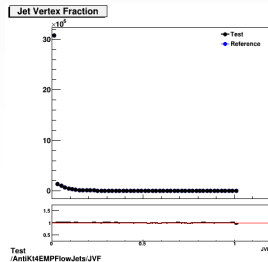
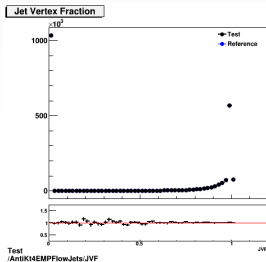
JVF Comparison 1&2



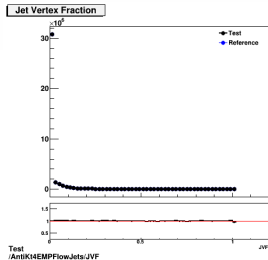
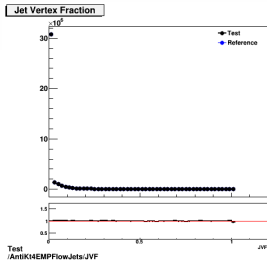
JVF Comparison 3&4



JVF Comparison 5&6



JVF Comparison 7



Summary

- Zoom into the ratios is to be added soon
- If you need specific plots very soon, please contact me