

# Testing FH PR

10<sup>th</sup> June 2023

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- Setup 2 releases
  - First is the Annual Review snapshot plus merge of George's TkJet PR
  - Second is the AR snapshot + TkJet PR + this FastHisto PR#1130

```
cmsrel CMSSW_12_5_2_patch1
cd CMSSW_12_5_2_patch1/src
cmsenv
git cms-init
git cms-checkout-topic cms-l1t-offline:Phase2_prototypeSnapshot_3
git cms-rebase-topic -u epalencia:backport40563_v2
scram b -j 4
```

```
cmsrel CMSSW_12_5_2_patch1
cd CMSSW_12_5_2_patch1/src
cmsenv
git cms-init
git cms-checkout-topic cms-l1t-offline:Phase2_prototypeSnapshot_3
git cms-rebase-topic -u epalencia:backport40563_v2
git cms-rebase-topic -u NJManganelli:l1t-phase2-fasthistoupdate-vXIII
scram b -j 4
```

- Looking at TT sample
- Very small improvement in the standard deviation with the PR included
- Number of reconstructed vertices within 0.5cm of MC vertex (**without**, and **with PR**):
  - $95704/186890 = 0.512$
  - $96119/186890 = 0.514$
  - See a small improvement in efficiency around the MC vertex

