

Fully Hadronic Paths

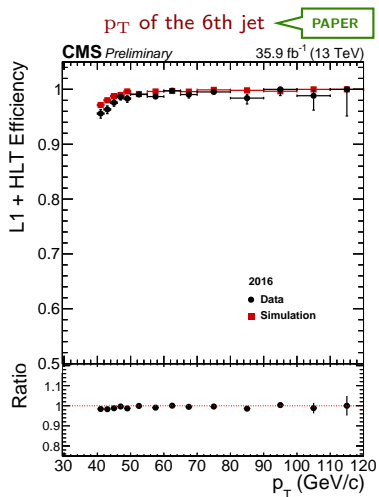
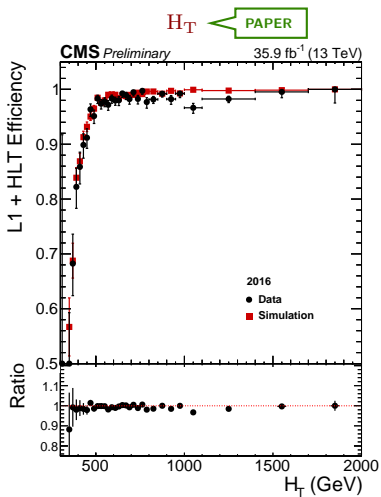
Addressing approval comments

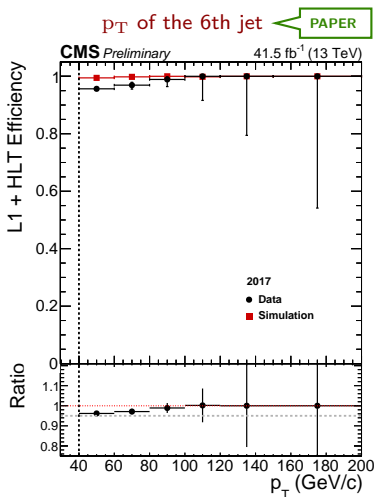
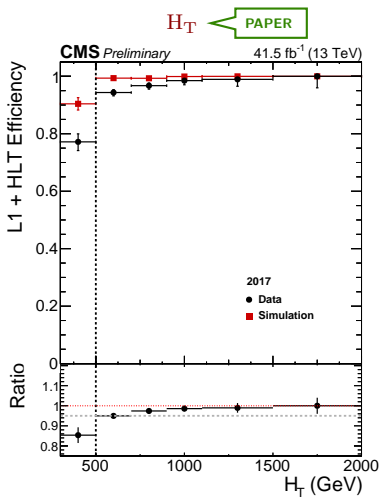
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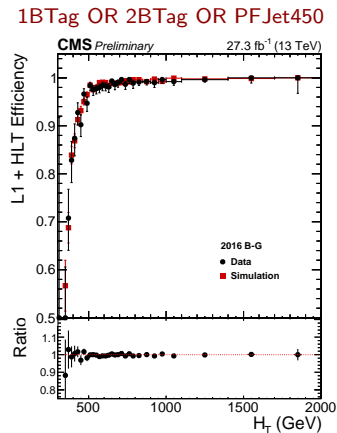
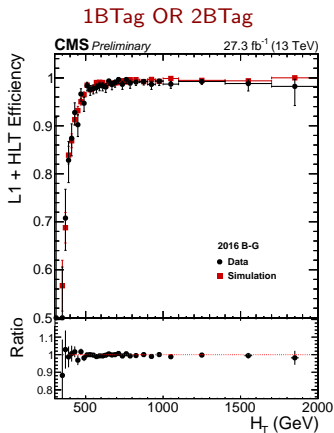
Monday 22nd July, 2019





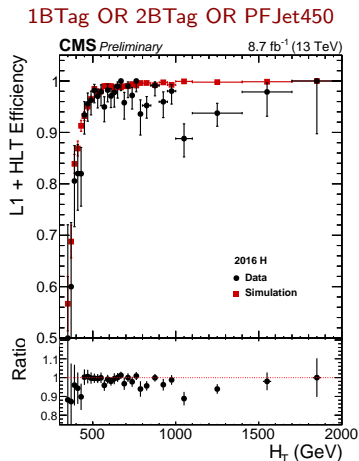
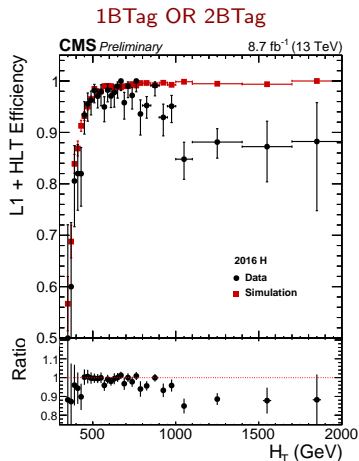


- ▶ Trigger efficiency of the logical or of:
 - ▶ HLT_PFHT450_SixJet40_BTagCSV_p056 (1BTag)
 - ▶ HLT_PFHT400_SixJet30_DoubleBTagCSV_p056 (2BTag)
 on the left, and of (1BTag or 2BTag or HLT_PFJet450) on the right.
- ▶ Eras shown: 2016 B-G



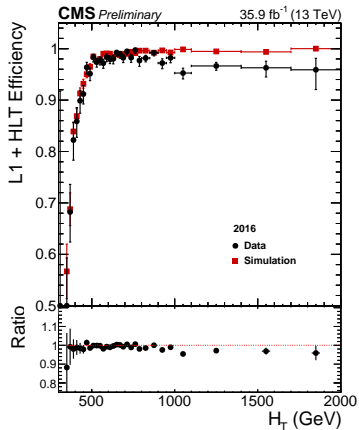
2016: INVESTIGATING POINT @ 1 TEV

- ▶ During Run2016H a firmware bug in the L1 H_T sum calculation caused an inefficiency in the high H_T region
- ▶ Use of HLT_PFJet450 recovers some efficiency mainly above 1 TeV (improvement increases with H_T)



► Full 2016 Data

1BTag OR 2BTag



1BTag OR 2BTag OR PFJet450,

$$\chi^2/\text{d.o.f.} = 1.08$$

