

## VBF Higgs to Invisible Trigger Efficiencies

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## VBF Higgs to invisible trigger efficiency

- ▶ As shown in the next slide the MET only trigger which ran in 2015 which required  $\text{PF MET} > 170 \text{ GeV}$  at HLT level is not sufficient to carry out this analysis
- ▶ We have designed a VBF Higgs to invisible specific trigger with the following requirements:
- ▶ L1:  $\text{MET} > 60 \text{ GeV}$
- ▶ HLT: 2 PF jets with:  $p_T > 40 \text{ GeV}$ ,  $\Delta\eta_{jj} > 3.5$  and  $M_{jj} > 600 \text{ GeV}$  as well as PF MET ignoring muons ( $\text{METnoMU}$ )  $> 140 \text{ GeV}$