CMS *Phase 2 Simulation*

PU=<200>, $|\eta| < 1.5$

VBF HH $\to$ bb $\tau\tau$, QCD

MTD $\sigma_t = 30$ ps
MTD $\sigma_t = 50$ ps
MTD $\sigma_t = 70$ ps
NO MTD

Jet efficiency

τ_h efficiency

Jet efficiency ratio

τ_h efficiency ratio