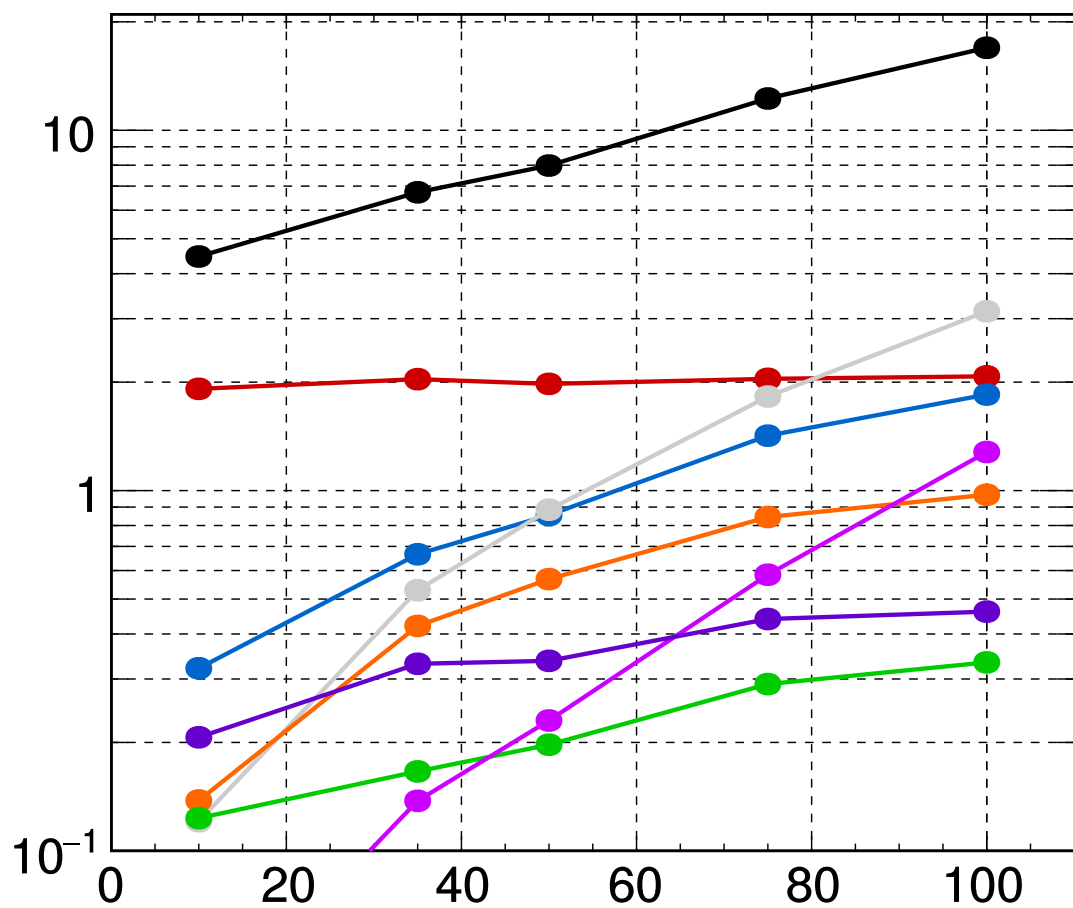


pp→tt, 13 TeV

**CMS Simulation**

s/event



⟨pileup interactions⟩

- calorimetry sim.
- muon identification
- vertex reco.
- HCAL hit reco.
- ECAL hit reco.
- particle flow
- pileup mixing
- total