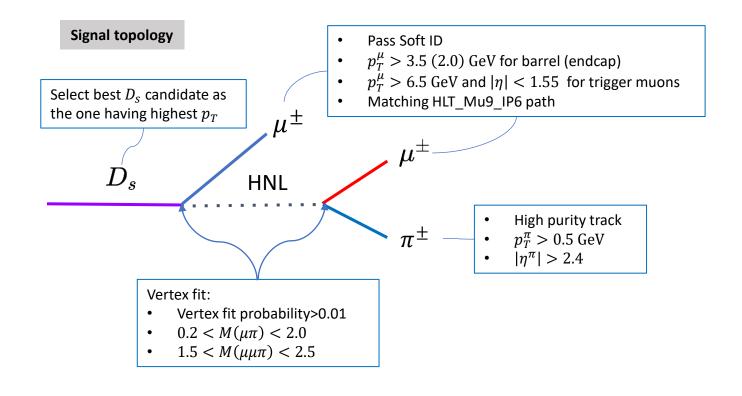
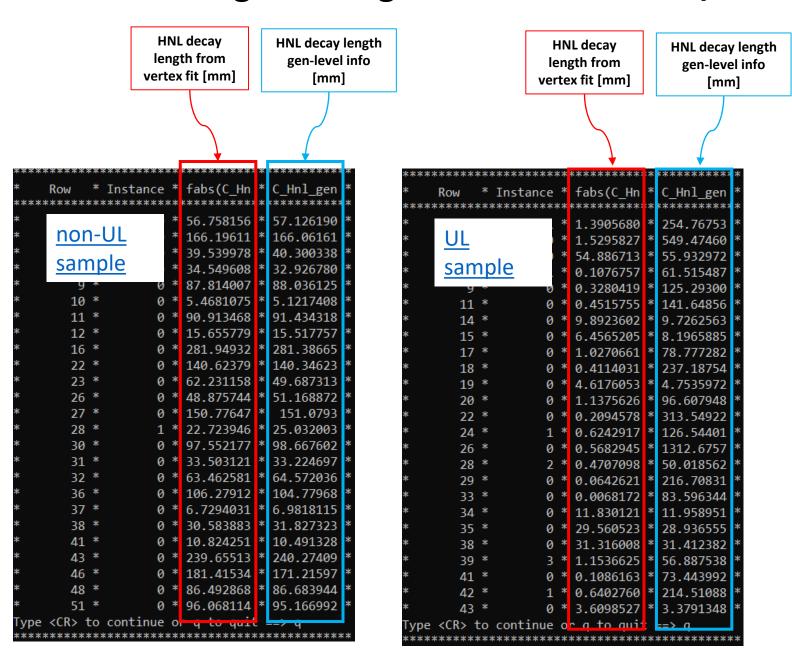
Signal topology

- Heavy Neutral Lepton (HNL) vertex is expected to be well detached from the PV (and also from the Ds vertex)
- Both Ds and HNL vertex are fitted
- In the next slide I compare the displacement at gen-level witht the one extracted from the kinematic vertex fit for MC signal events
- The MC contains Ds coming from Bs decay. The Ds then decays into HNL and a muon as shown below



Running on 1k signal MC events in UL/non-UL conditions



Global tag: 106X_upgrade2018_realistic_v16_L1v1
CMSSW rel: 10 6 30

