## Event selection

The same selection to yy higgs as in HSG1

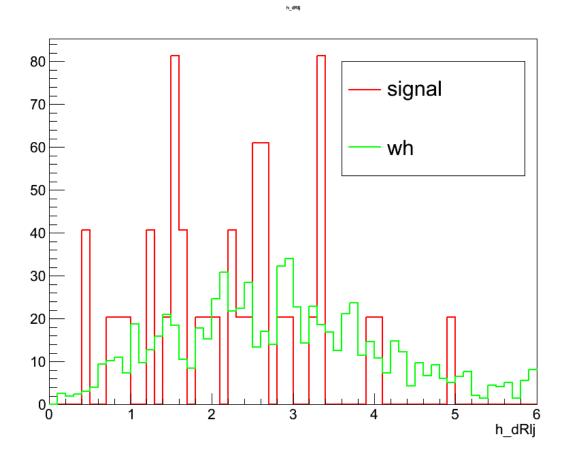
At least 2 jets,1 lepton and MET >25

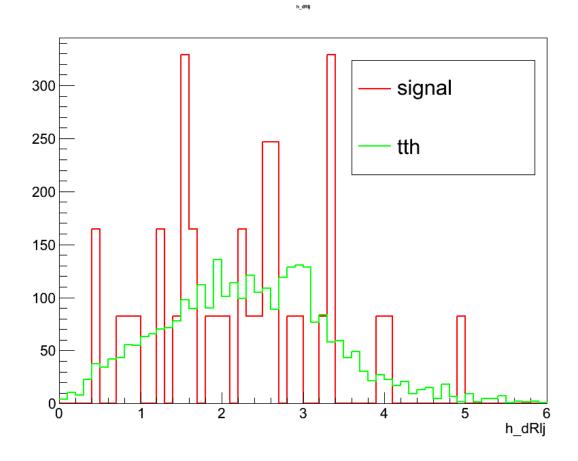
- Divide into 2category
  on shell W hardronic decay off shell W leptonic
  off shell W hardronic decay on shell W leptonic
- Require W mass from 50 to 110 still
- tth and vh are dominating background after these cuts

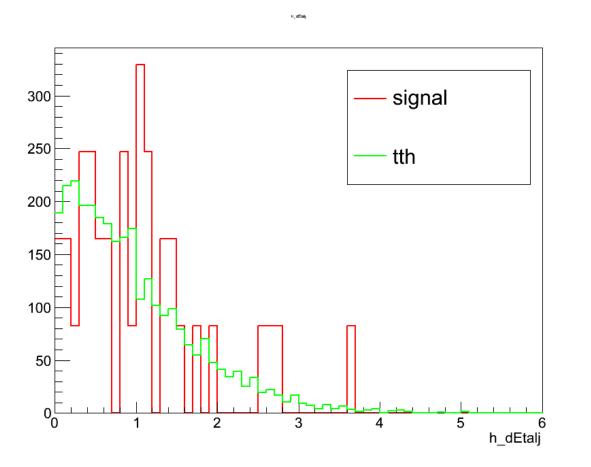
## Back groud

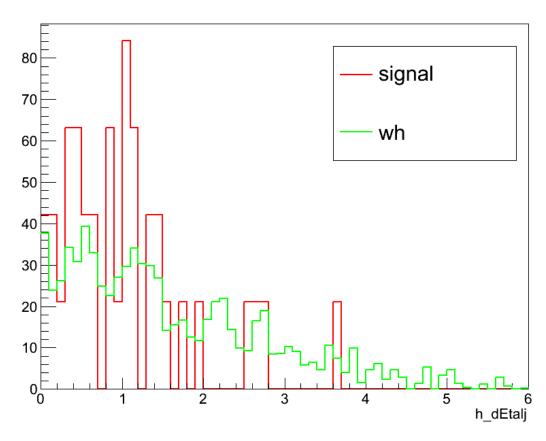
- Standard model VH
- Standard model ttH

The signal sample is not enough at this moment

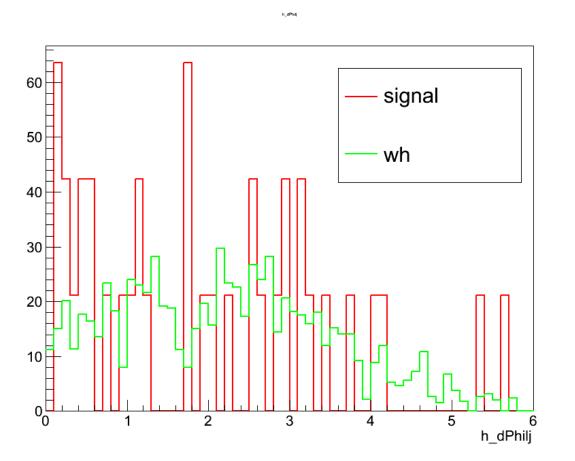


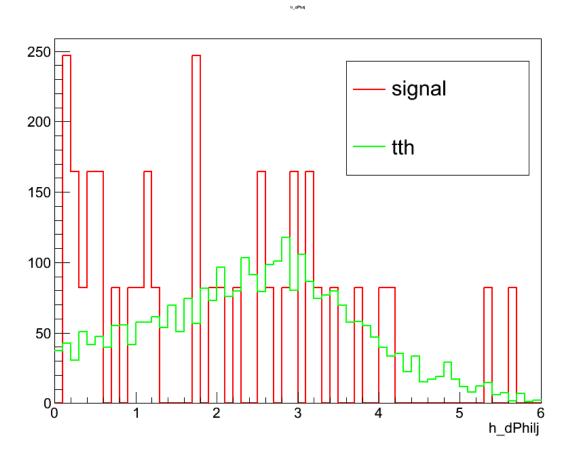






h\_dEbilj





## Where are we now?

Central production will be done in this week

• Dumper is done

• Data is downloading, hope it could be done this week?