



CP measurement in

$$H \rightarrow \tau \tau$$

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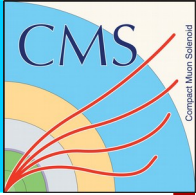
Today's topic:

Ntuples for 2017 CP analysis:
round table





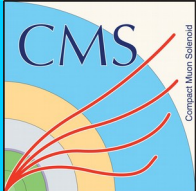
2017 Ntuples for CP analysis



- For the CP analysis we need the following variables, currently not stored in the Ntuples:
 - PCA for tau hadronic decay product → fundamental for 1 Prong channel
 - Secondary Vertex (?) → for the 3 Prong channel (lower priority)
 - Primary Vertex with Beam Spot constraints → this is needed for at least a few NTuples, to test the method implemented by Diwakar



2017 NTuples




- DATA:

- SingleMuon & SingleElectron:
`/nfs/dust/cms/user/rasp/ntuples/Data2017_newMET_v2/`
- Tau?

- MC:

- DY and W+jets:
`/nfs/dust/cms/user/tlenz/13TeV/2017/Ntuples/MC/12Apr2018_PU2017_METrecipe_v2`
- TT-bar, Single Top, VV:
`/nfs/dust/cms/user/mameyer/SM_HiggsTauTau/ntuples/METRecipev2`
- Signals?

- We'll need to move the current samples to dcache in case they are still needed for SM analysis, until the new ones are ready
- As for the disk space available...
 - I only have 50 GB free 
 - Mareike?
 - Merijn?
 - Teresa?
 - Yiwen, can we use some of your disk space?