

Status of 4Top analysis

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Sample status

- The csv file is ready to upload.
- About cross section
 - Most of the cross sections are from XSDB
 - I use the NLO 11.97 fb for TTTT
 - SM Higgs and TTVV from Handbook of LHCHXS Volume4 and I multiply the BR by myself.
 - Single Top cross section is from an official twiki page.
- Some UL samples are not found on DAS
- Some samples have different number of files on DAS and our local disk publicfs
 - If I understand correctly, the number of files should be consistent between DAS and our local disk.
 - e.g. 17 files in 2016/mc/tttt, but 23 files in /TTTT*/UL16NanoAODv9*/NANOAODSIM

- Electron Isolation SF and uncertainty : Fabio already asked.
- Muon Isolation SF and uncertainty :
 - JSON file and root file are provided.
 - Add syst and stat in quadrature.