

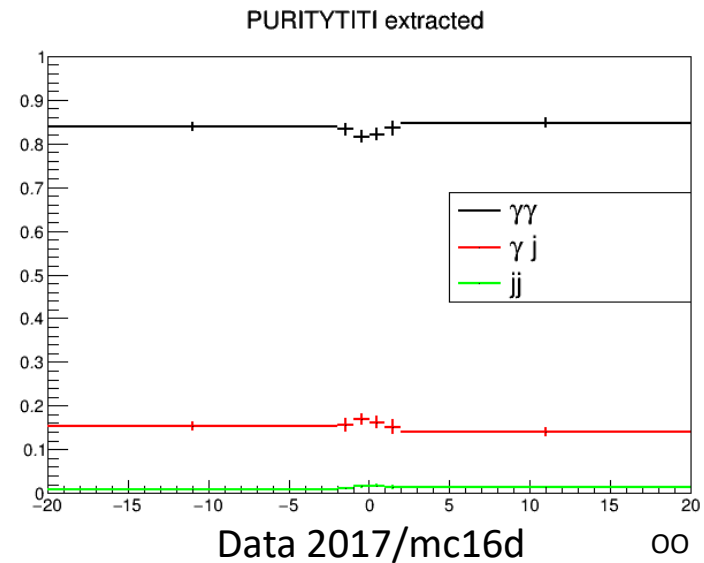
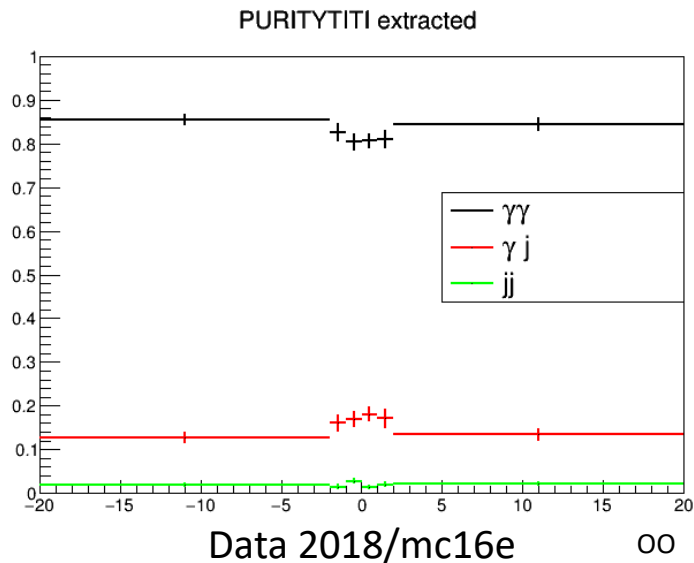
Weekly report

FANGYI GUO

Working status

VBF HCP: 2x2DSB calculation

- Purity with OO in 2017 & 2018 data/MC. 2015+16 data is running.
- No syst. uncertainty.
- No category/mu/etc. cut, i.e. purity vs. OO 1D distribution.



Working status

Photon ID with topo-cluster

- Samples are almost finished. Drew some data/MC and sig/bkg plots.
- Asked a report in Photon ID group this Thursday.
- Loose id & iso photon, $\min\Delta R_{l,\gamma} < 0.4$, $m_{ll} \in [40, 80]\text{GeV}$, $m_{ll\gamma} \in [40, 120]\text{GeV}$, $pT_{\gamma} \in [15, 35]\text{GeV}$. Statistics is not enough.

