



1. Legacy re-reco “07Aug17” 2016 data

- MuonEG is done: /nfs/dust/cms/user/ywen/Storage/Legacy2016/
- first goal is to look at the impact parameters

2. DESY NTupleMaker

- **master branch goes for 94X 2017** re-reco data(“17Nov2017”) and MC(“Fall17”) is set up
- new 94X recipe provided in group TWiki
- a new branch NTuple_92X for CMSSW_9_2_X analysis created

- **2 new electron Fall17 MVA IDs** are added (https://twiki.cern.ch/twiki/bin/view/CMS/MultivariateElectronIdentificationRun2#Recommended_MVA_Recipe_for_regul):

```
my_id_modules = ['RecoEgamma.ElectronIdentification.Identification.mvaElectronID_Fall17_nolso_V1_cff',  
                'RecoEgamma.ElectronIdentification.Identification.mvaElectronID_Fall17_iso_V1_cff', ]
```

- 2 config files are added in test/ folder for ntupling 94X data and MC

```
TreeProducerFromMiniAOD_94x_Data25ns.py, TreeProducerFromMiniAOD_94x_MC.py
```



3. the Fall17 MC pileup issue

- https://indico.cern.ch/event/695872/contributions/2877123/attachments/1593469/2522749/pileup_ppd_feb_2018.pdf
- 5% MC samples effected, more events in PU near 0 and $PU > 75$, some “spikes”
- short term solution: suggested to **apply automatic reweighing** for every MC samples
- long term: regenerate samples for post-Moriond time scale

4. the 94X miniAOD status

- data: singleElectron still missing RunC, SingleMuon and MuonEG are available
- MC: most of the common backgrounds are ready, except W+jets
- plan to go for the first ntupling this week