Weekly

Maosen Zhou

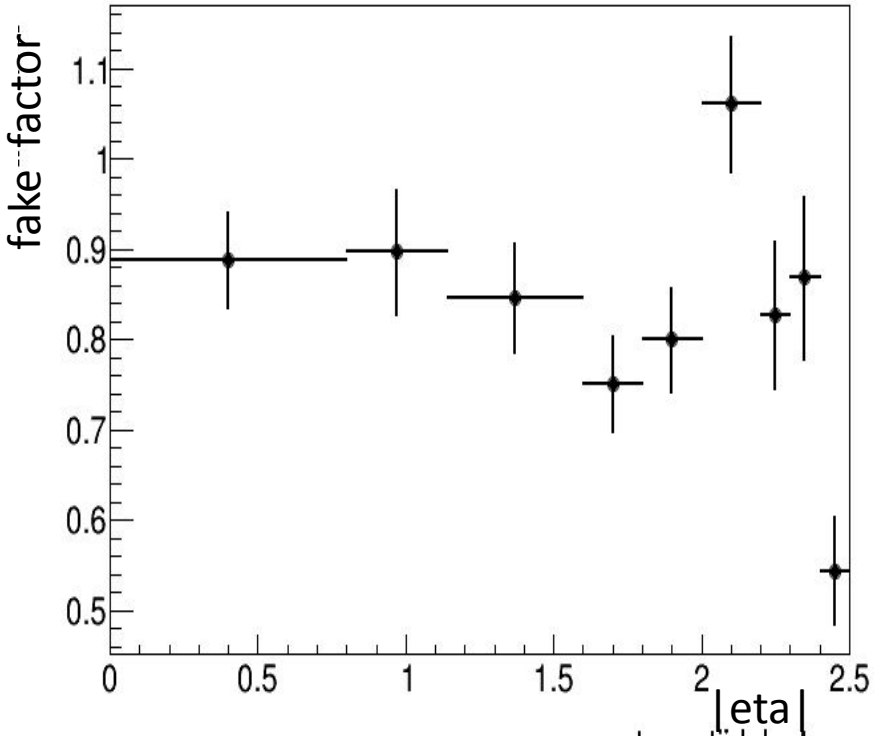
2 May, 2016

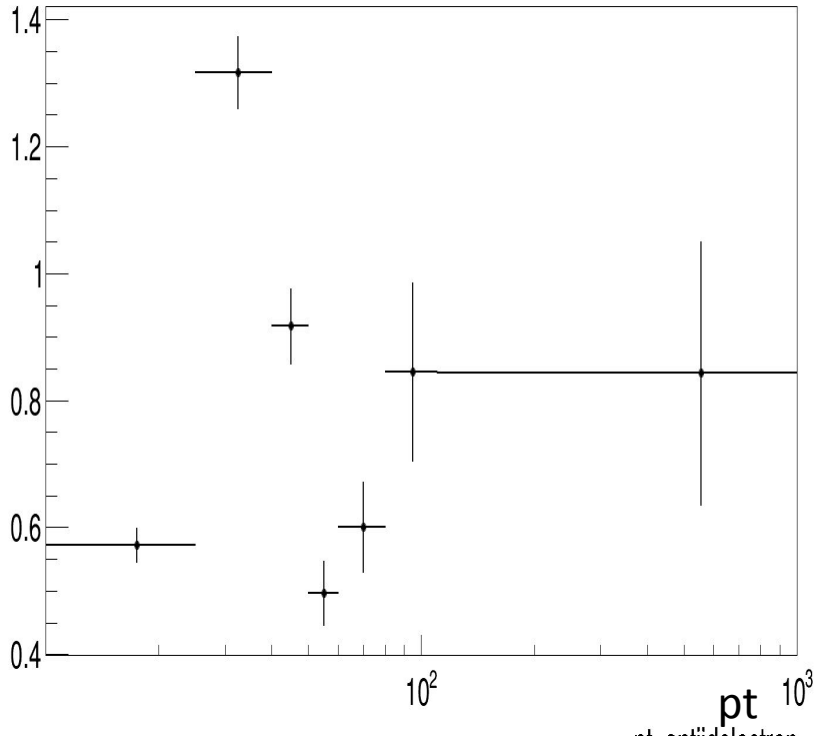
sample status

- non-res:
  - AF2, 500k for each charge side;
  - validation done, launch this week;
- res:
  - AF2, 200k(100k for each side) per mass point;
  - validation done.

jet fakes estimation for ee/emu

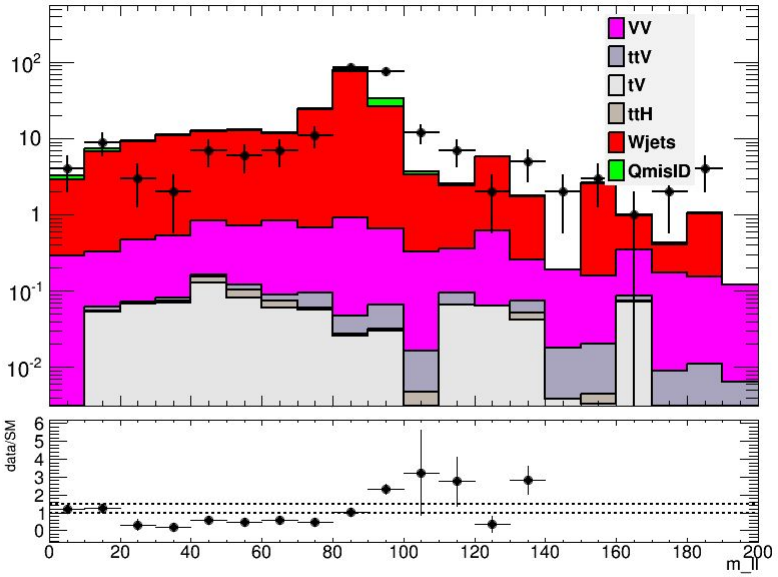
- CR: N_jet==3, 2 tight SS leptons;
- QmisID not ready, assume QmisID rate =0.1%;
- looks high since Z veto was not appied in id+antiid(<3 jet) region;

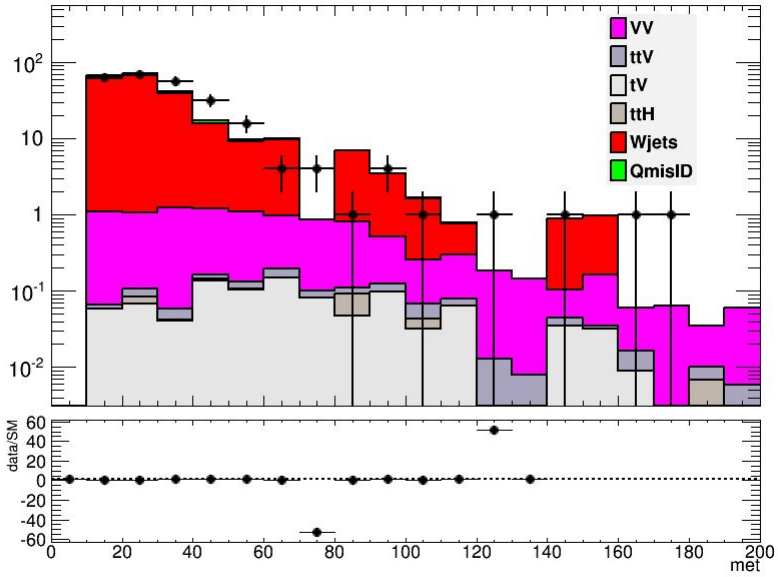




ee

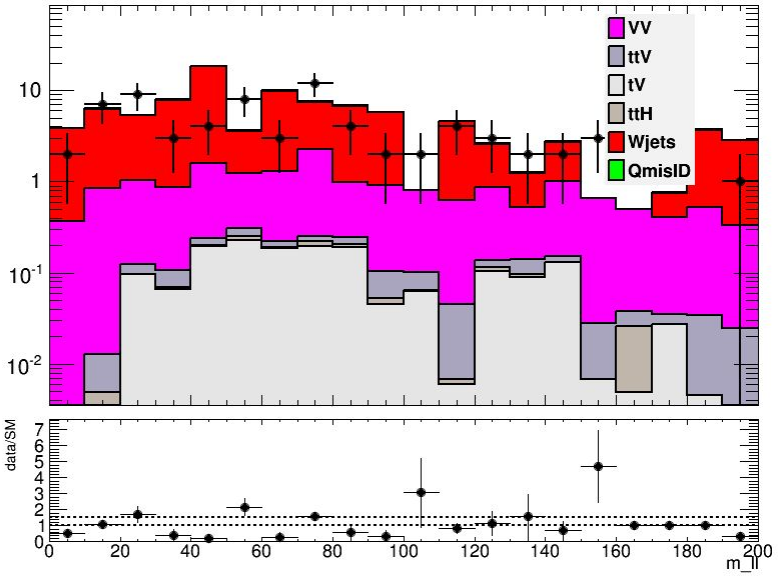
- ✓ before: N_data=258, N_MC=233.8 +- 15.3;
- ✓ after: N_data=258, N_MC=233.5 +- 15.3;

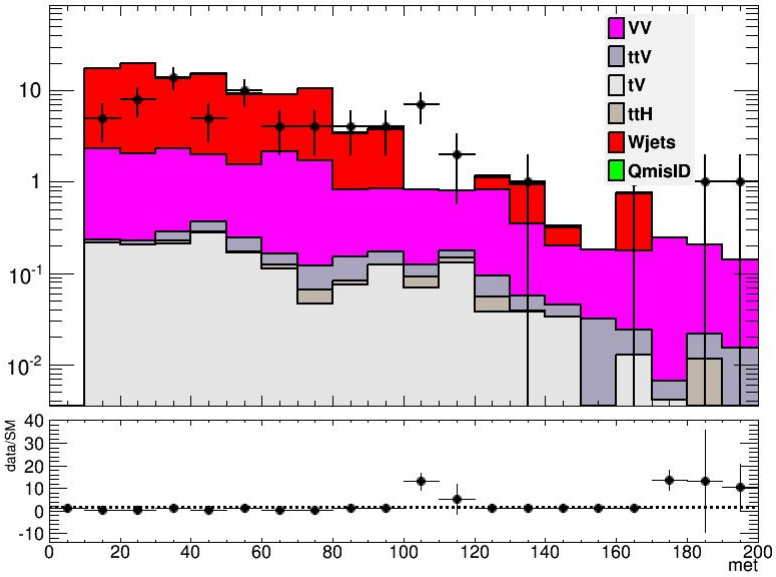




emu

- ✓ before: N_data=77, N_MC=58.9 +- 7.7;
- ✓ after: N_data=77, N_MC=108.0 +- 10.4;





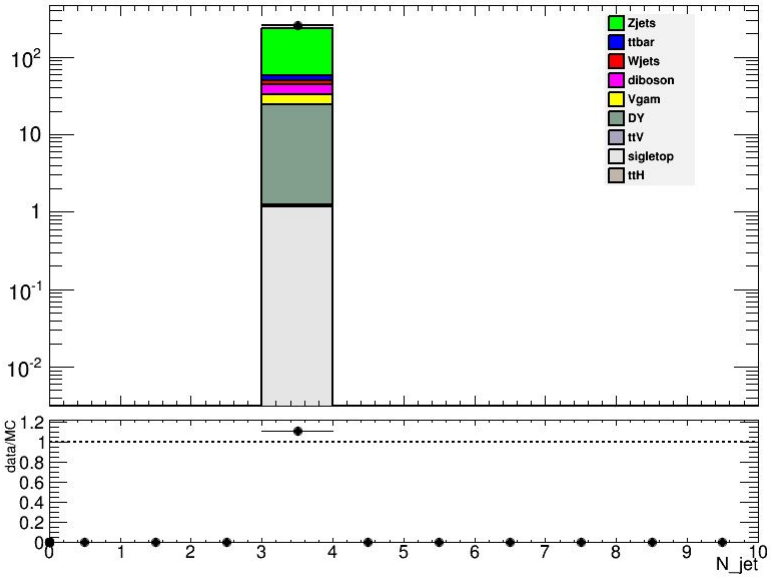
check

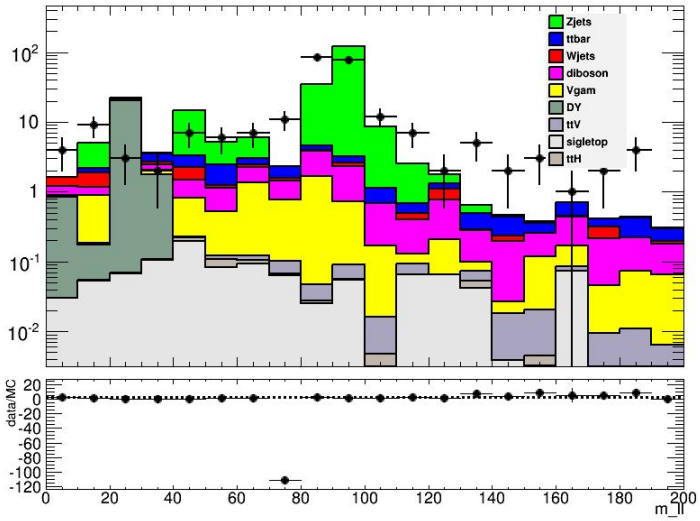
- apply Z veto on low jet multiplity region to see the impact;
- appy correct QmisID rate;

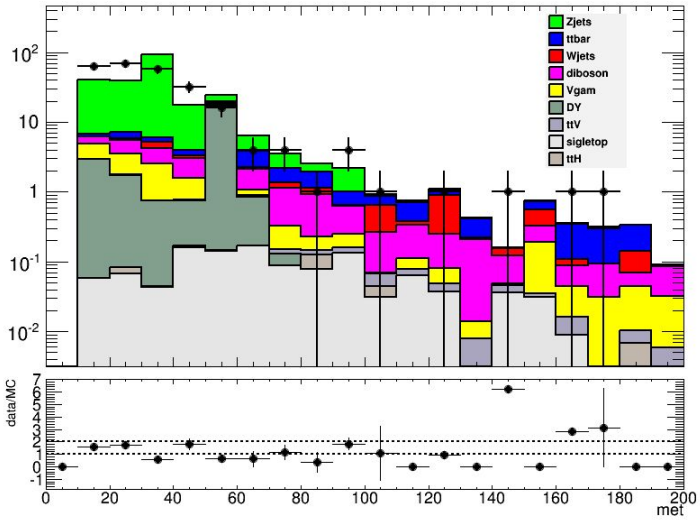
Backup

data/MC

- ✓ 2 SS tight leptons, ==3 jets
- ✓ ee channel
- ✓ N_data=258, N_MC=233.8 +- 15.3

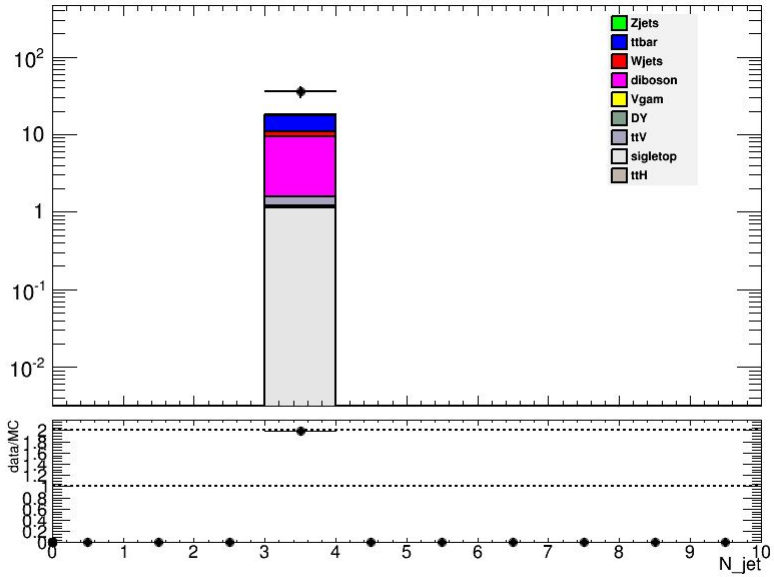


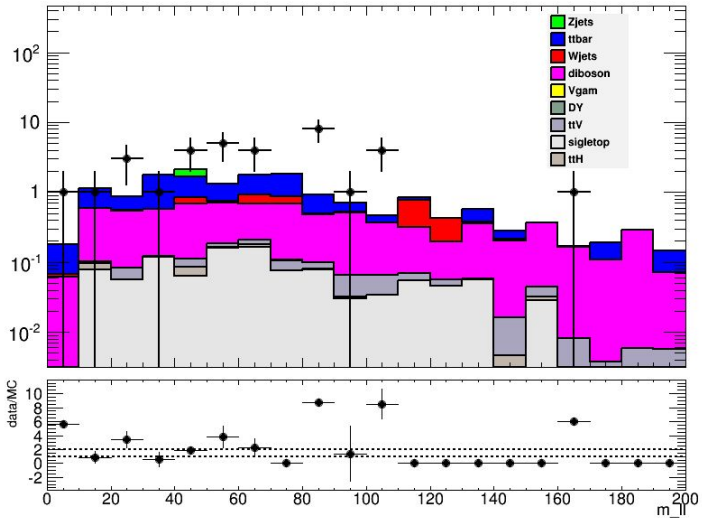


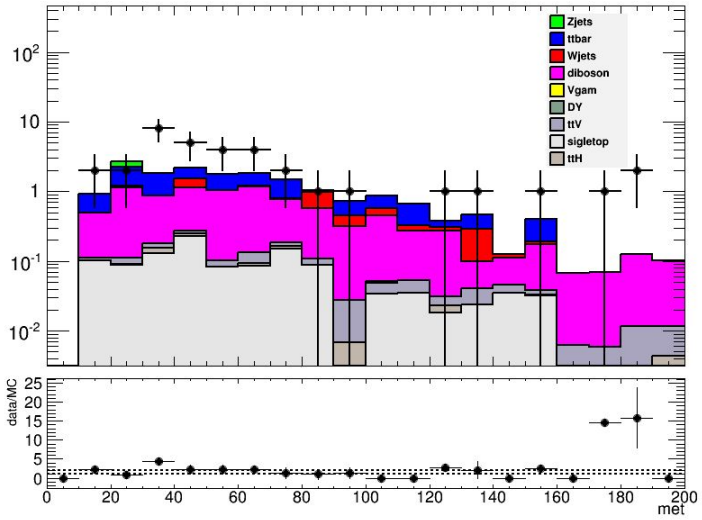


mumu channel

- ✓ stat is very low;
- ✓ N_data=36, N_MC=18.1 +- 4.2







emu channel

- ✓ stat is low;
- ✓ N_data=77, N_MC=58.9+-7.7