work status

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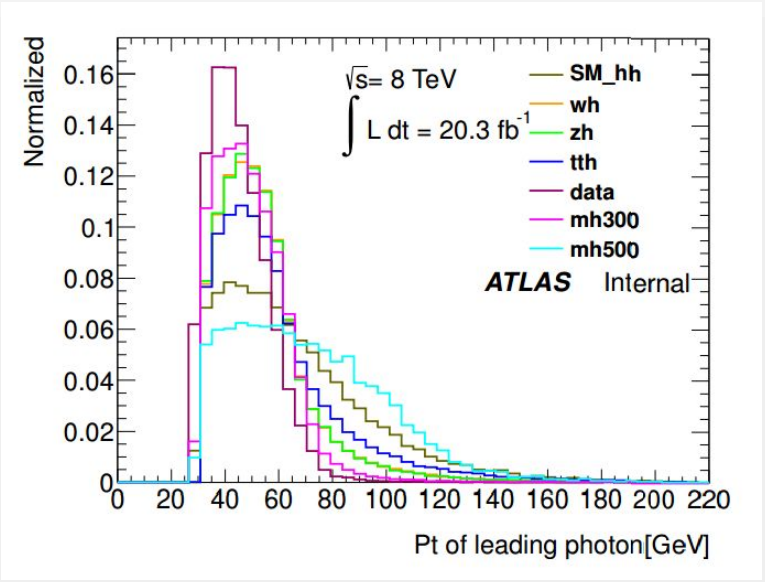
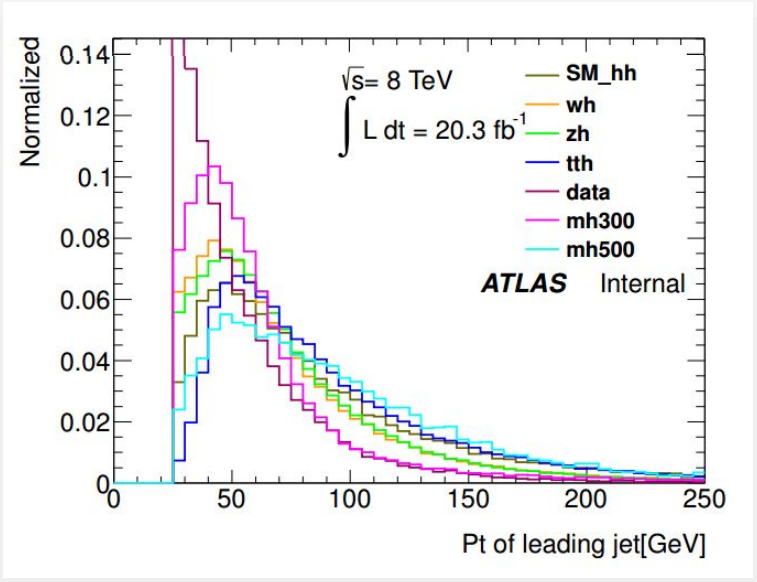
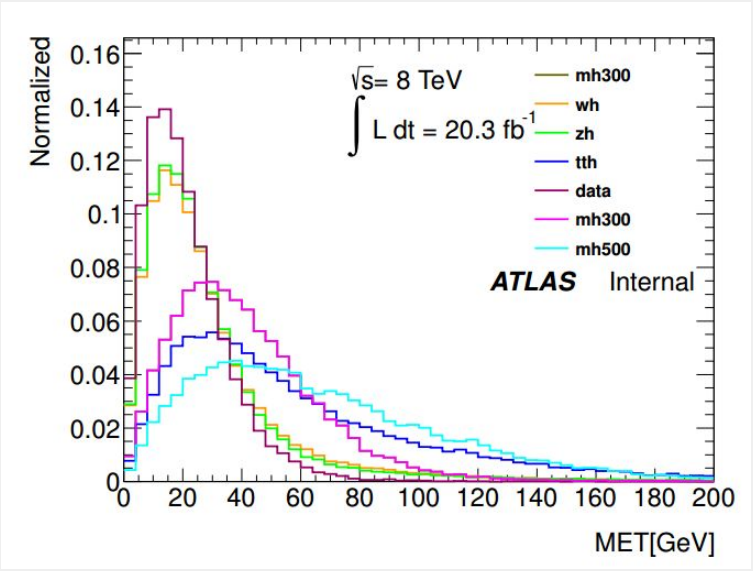
sample status

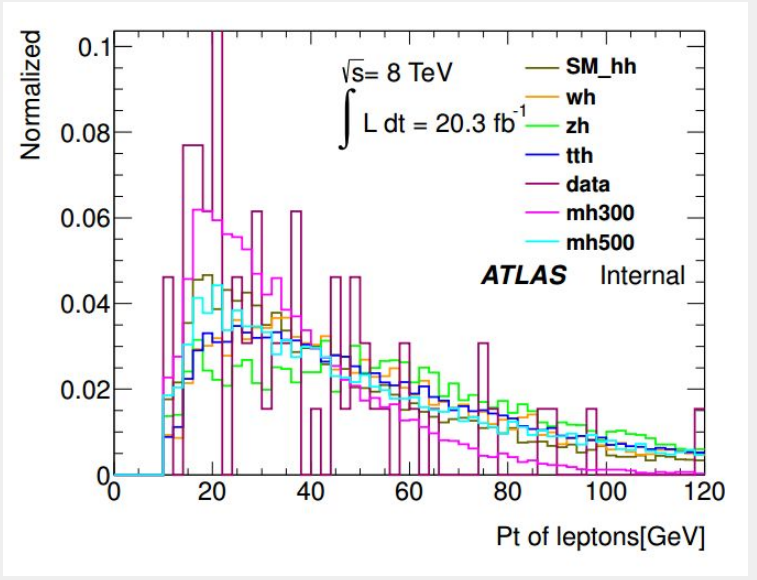
- WWyy bkg:
  - ›› lvjjyy, 13K events generated, 1K events per run(6~7 hours)
  - ›› lvlvyy, very fast(~half hour 5K)
  - ›› jjjjyy, still not work →problematic
- WWWW bkg:
  - ›› WWjj, 20K events generated(very fast)
  - ›› WWjjjj, 2.5K events generated(500 events per run,~4 hous)
  - ›› Pythia, Delphes, very fast, not a problem
- WWWW signal:
  - ›› just start running

RUN-I lvjjyy for non-resonance



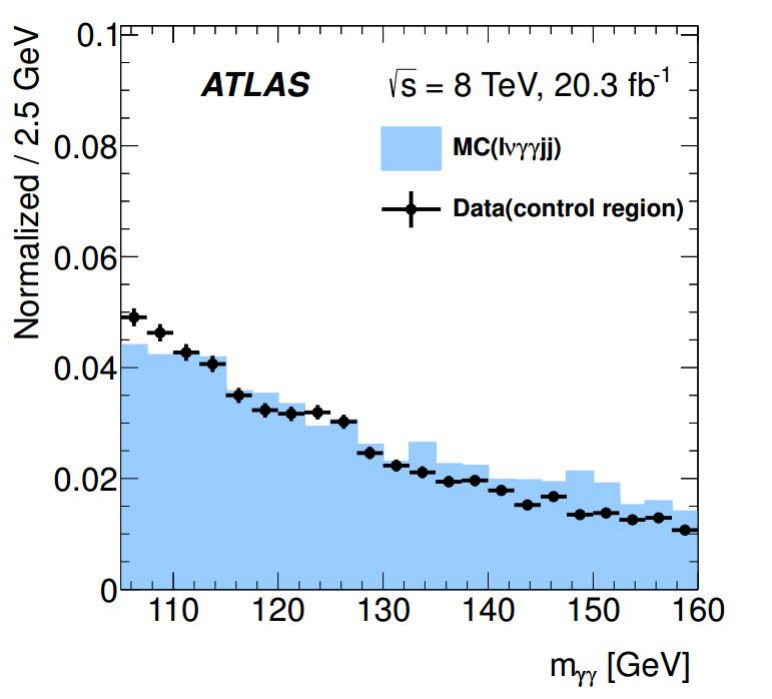


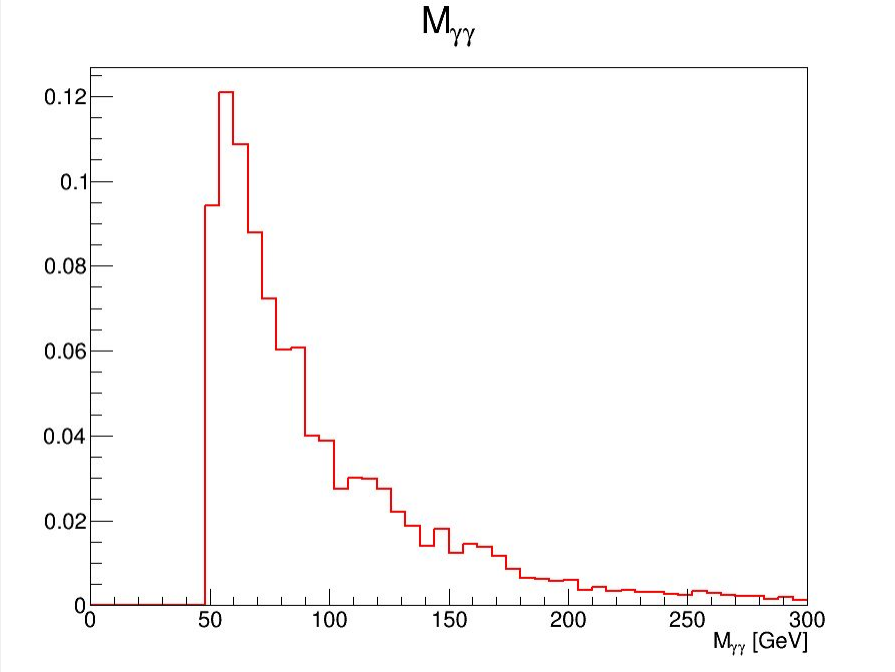




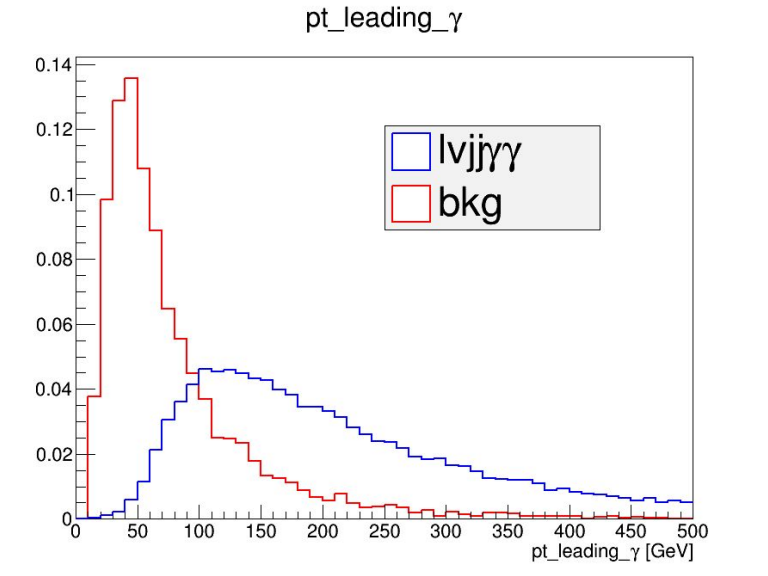
RUN-II bkg sample status

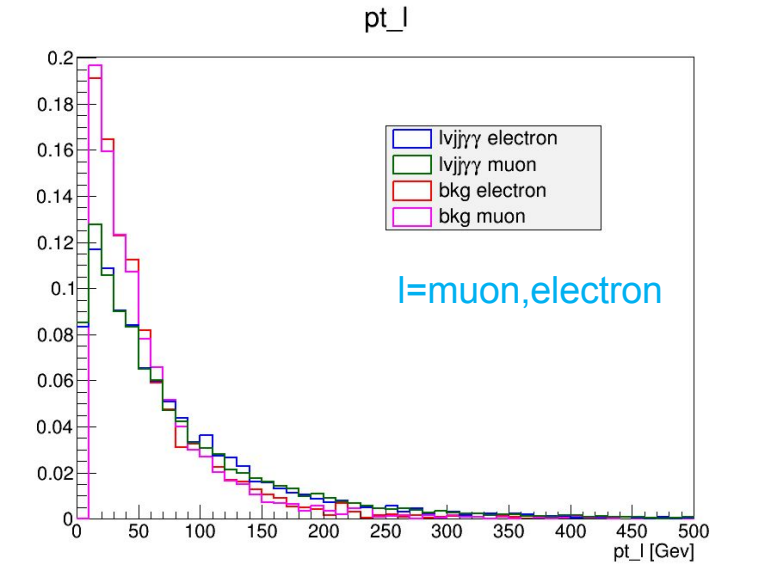
- already generated 5K events: p p > l v j j a a locally
- change m_yy from 85GeV to 50GeV, hope this will fix the disagrement between MC and data in RUN-I

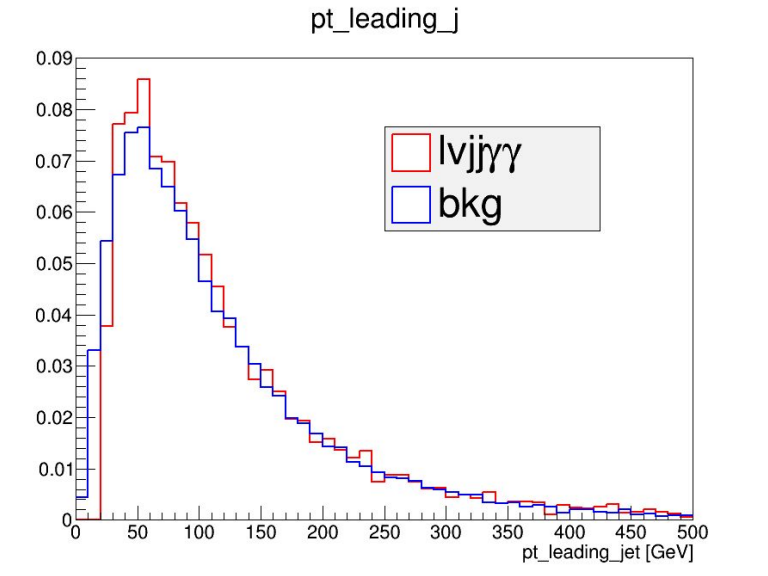


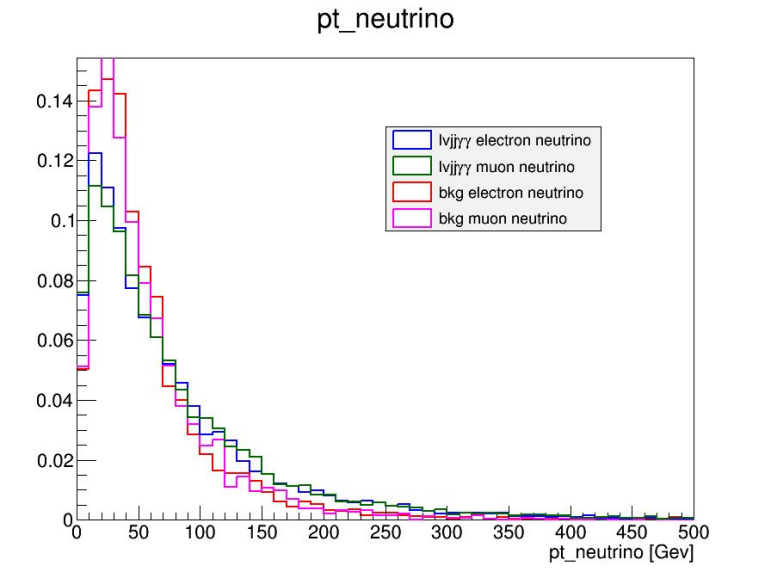


bkg vs SM nonresonant jjlvyy@parton level









others

- maybe report WWyy status in next H->dibosons meeting
- Qualification task:
  - ›› ran some tutorial codes
  - ›› maybe give a talk in tracking-upgrade meeting in four weeks

- some useful tutorials:
  - ›› ATLAS Software Tutorial: https://indico.cern.ch/event/403126/other-view?view=standard
  - ›› ATLAS Software Development Tutorial: https://indico.cern.ch/event/401452/other-view?view=standard
  - ›› Monte Carlo in ATLAS：https://indico.cern.ch/event/440423/other-view?view=standard