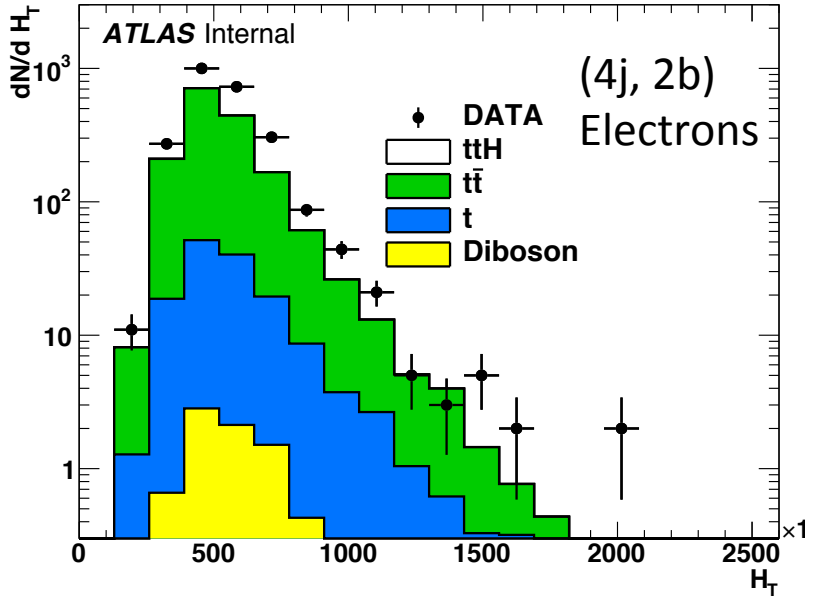
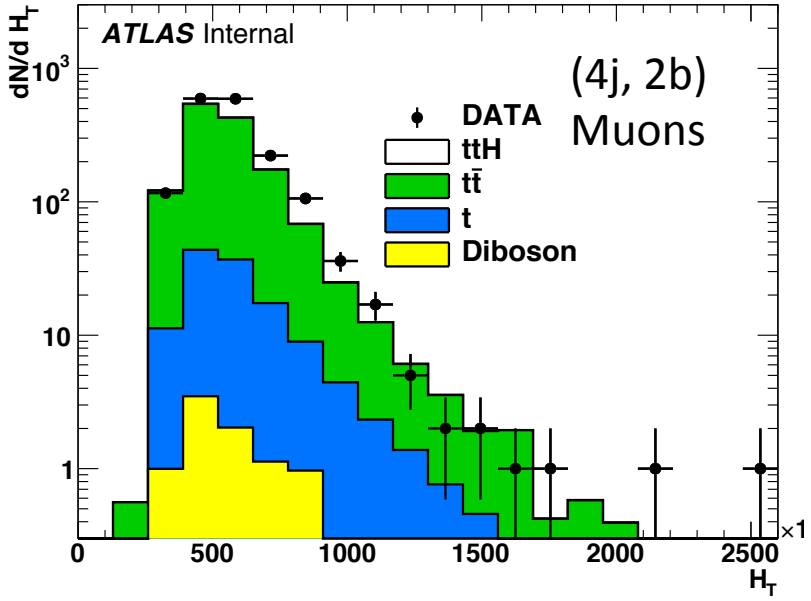
ttH(bb) Boosted Update

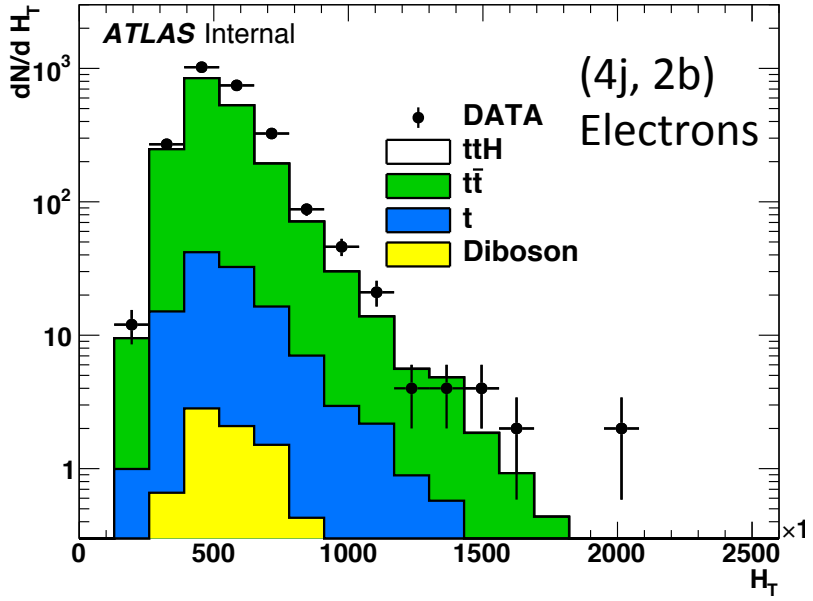
H_T, grad

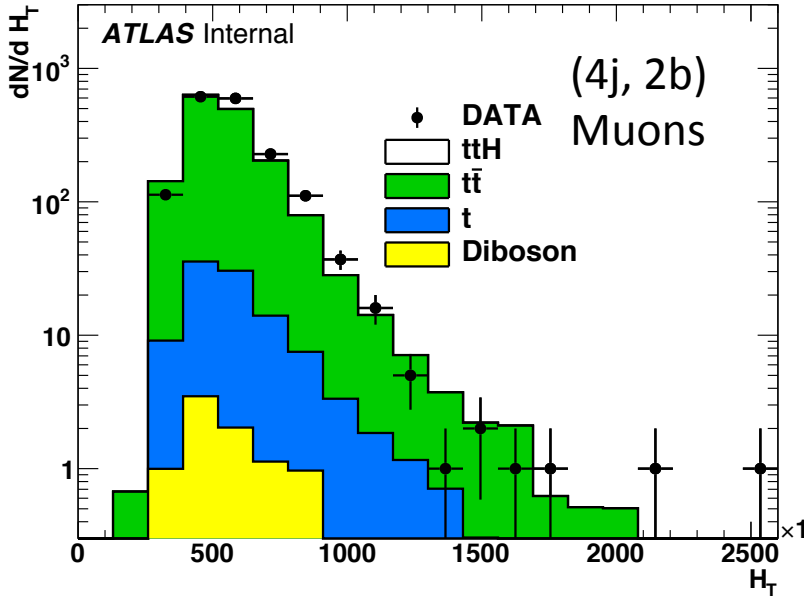




- S/B=0.054697%
- S/B=0.0539842%

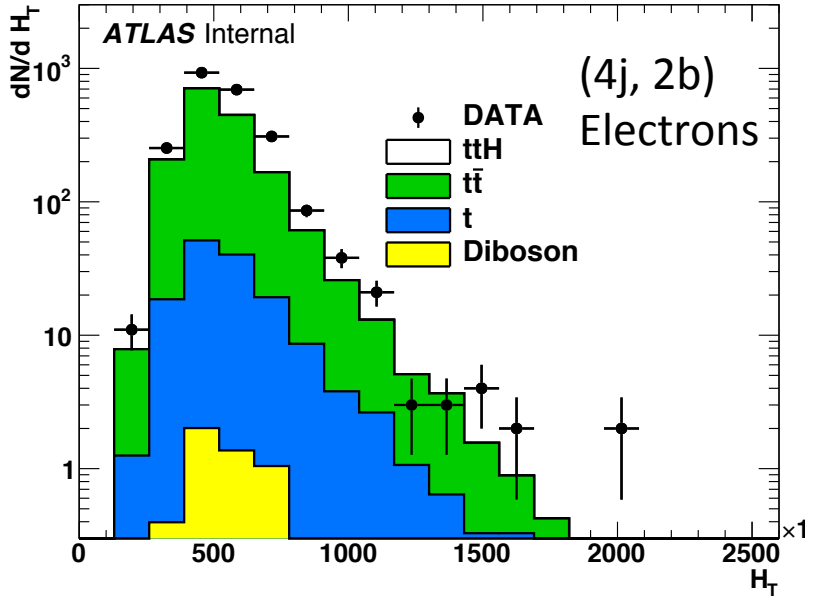
H_T, grad loose

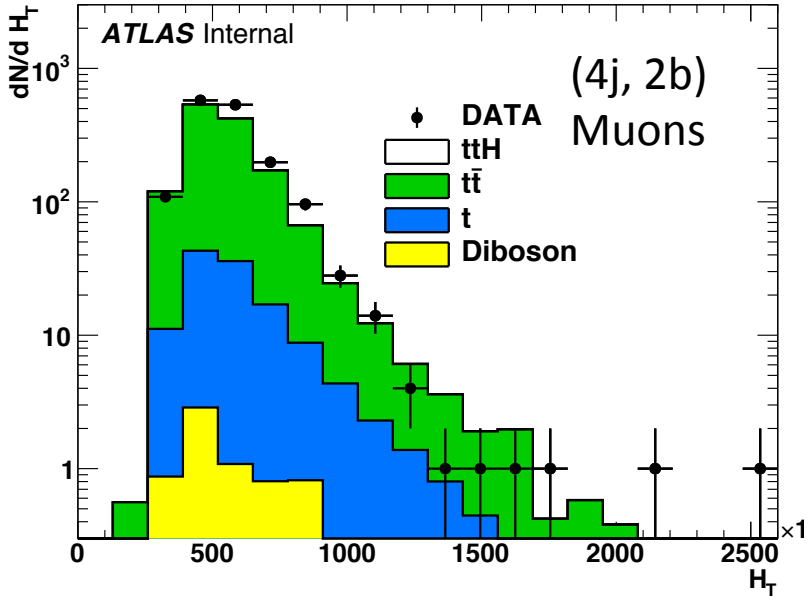




- S/B=0.0058637%
- S/B=0.00523558%

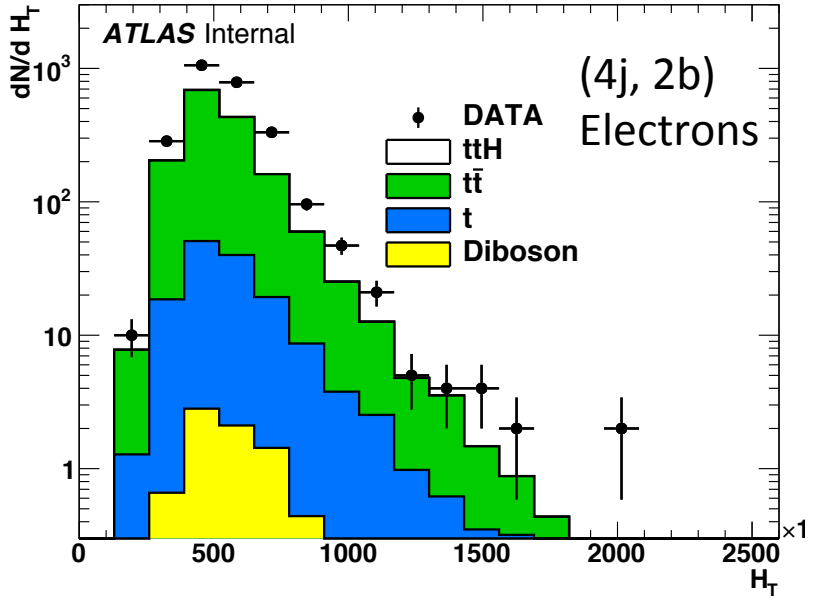
H_T, loose

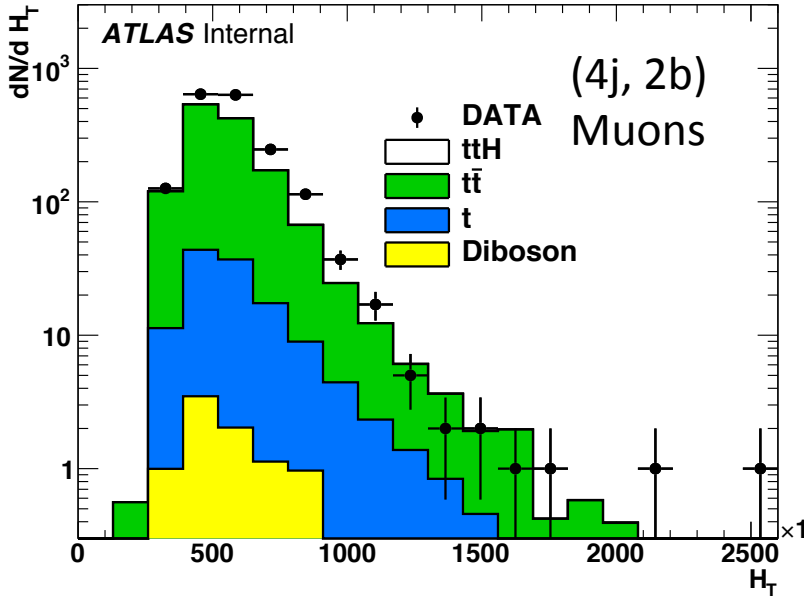




- S/B=0.0559221%
- S/B=0.0546689%

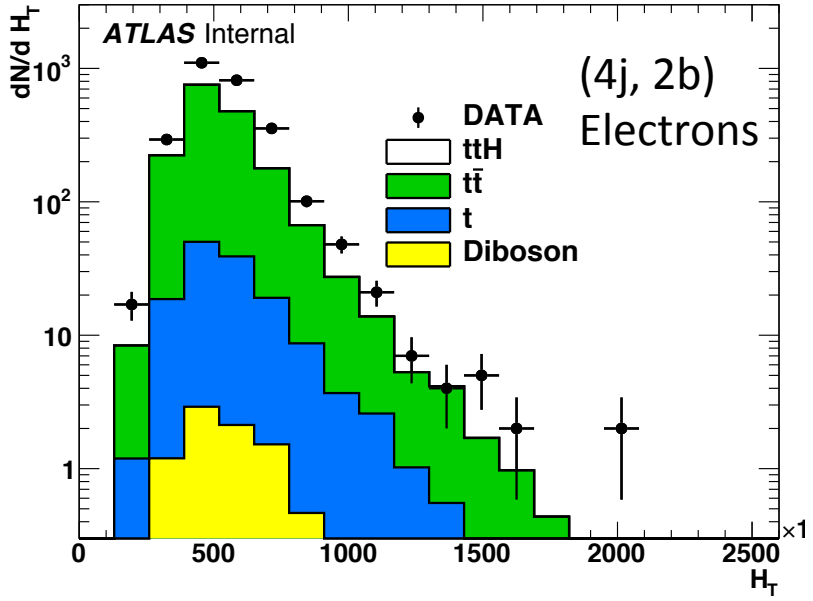
H_T, tight

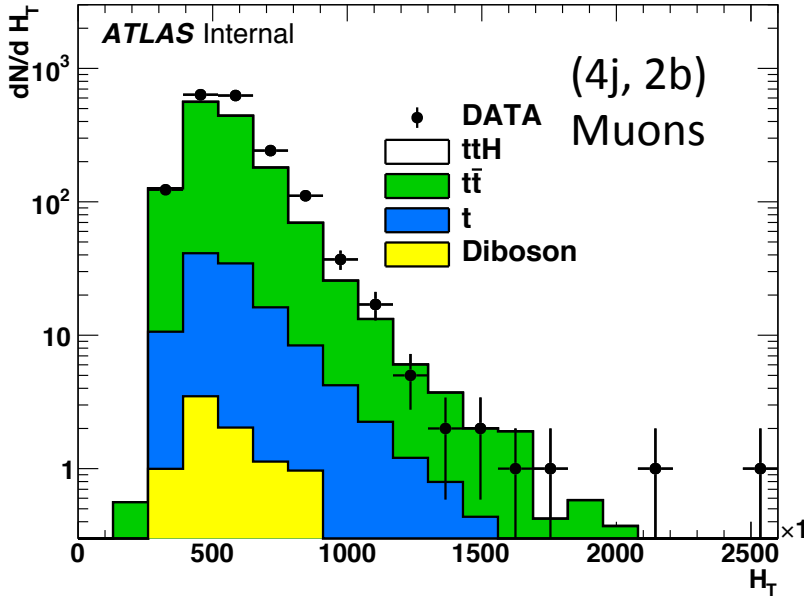




- S/B=0.0556227%
- S/B=0.054471%

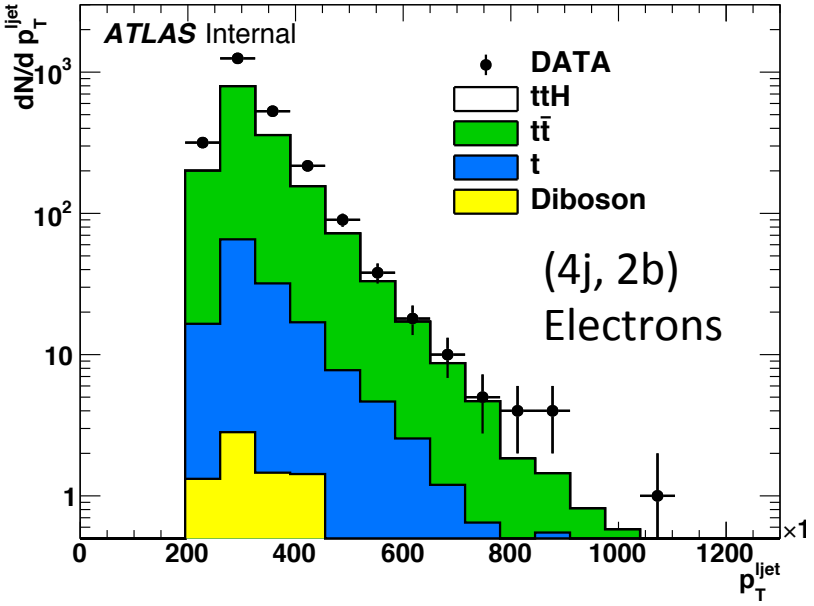
H_T, loosetrackonly

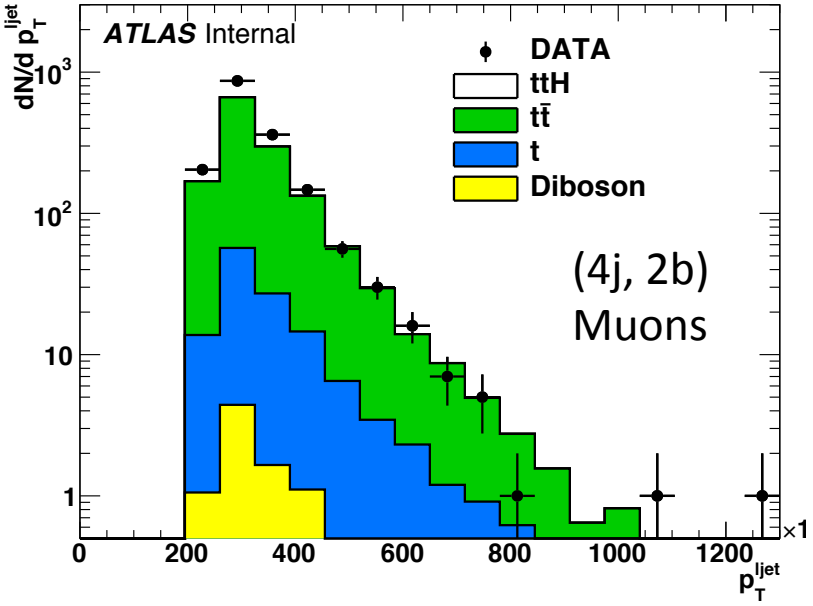




- S/B=0.0552698%
- S/B=0.0519145%

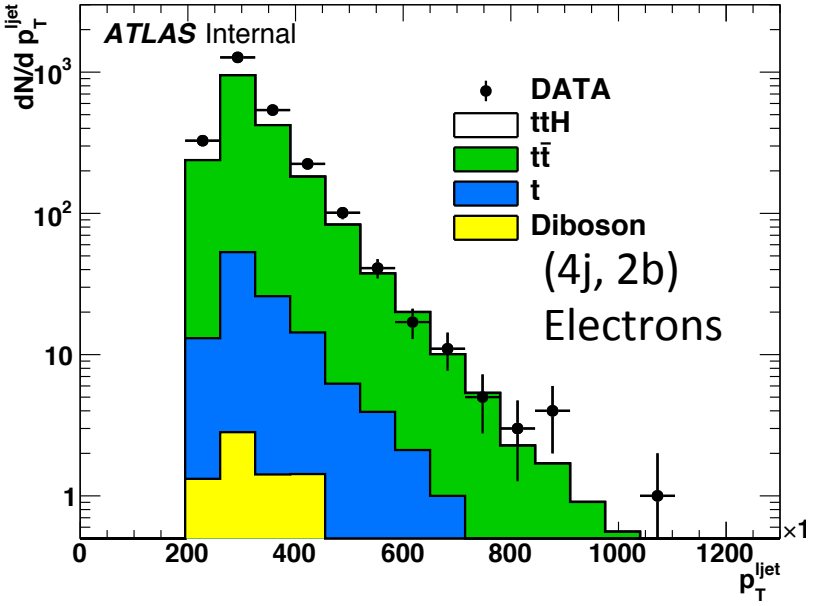
p_T^{ljet}, grad

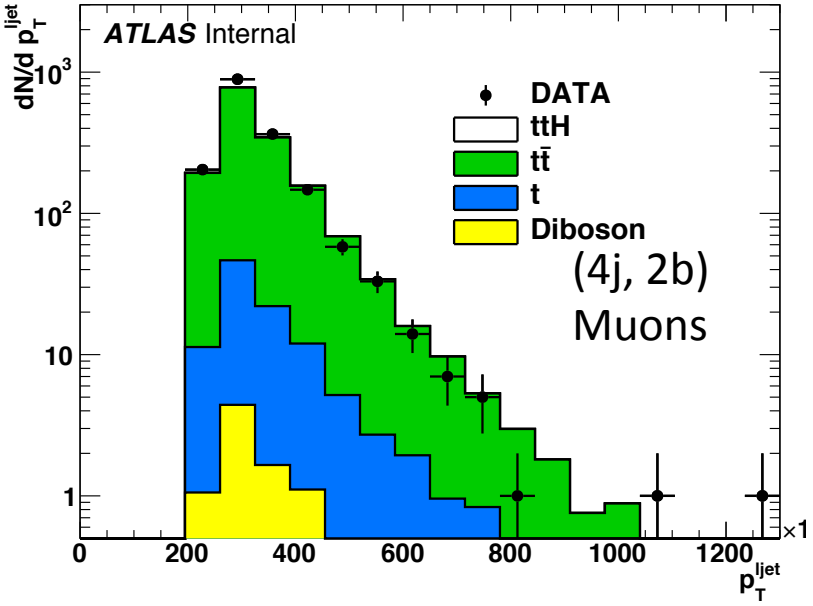




- S/B=0.0547021%
- S/B=0.0540416%

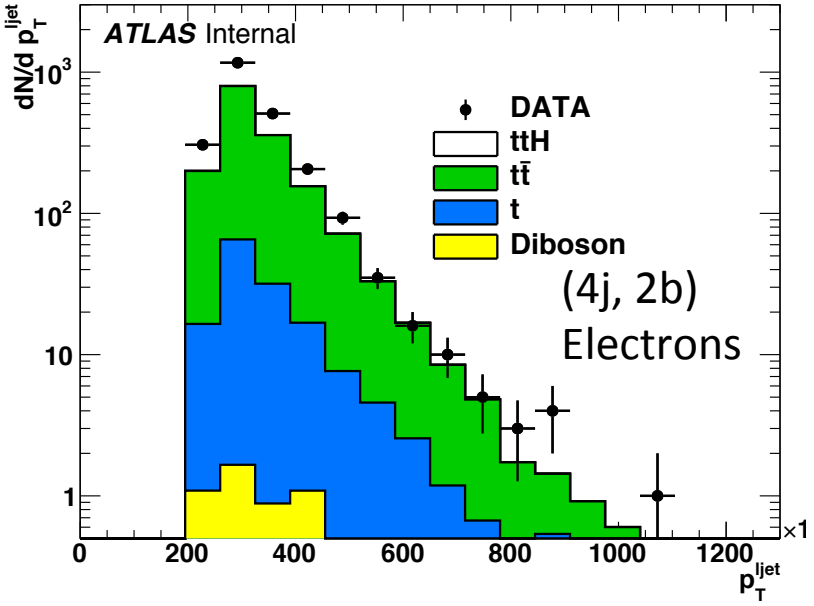
p_T^{ljet}, grad loose

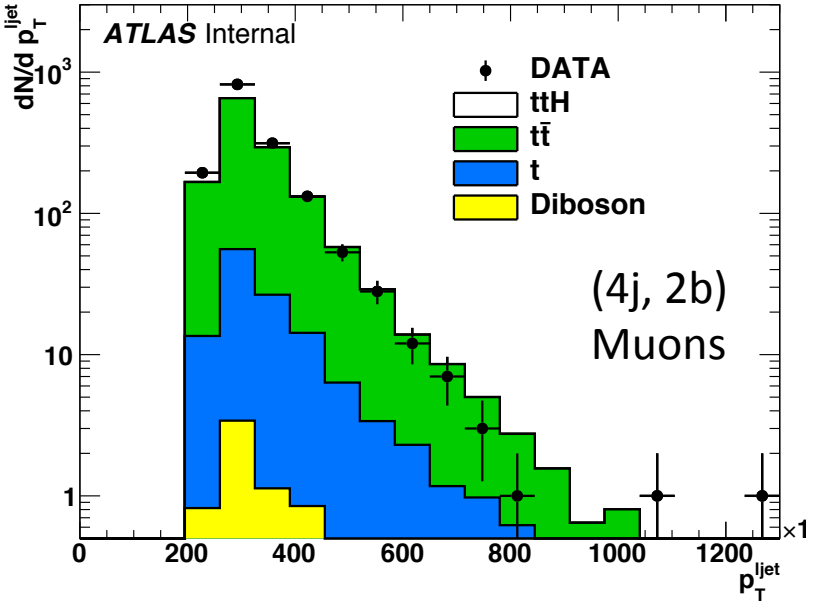




- S/B=0.00586583%
- S/B=0.00523595%

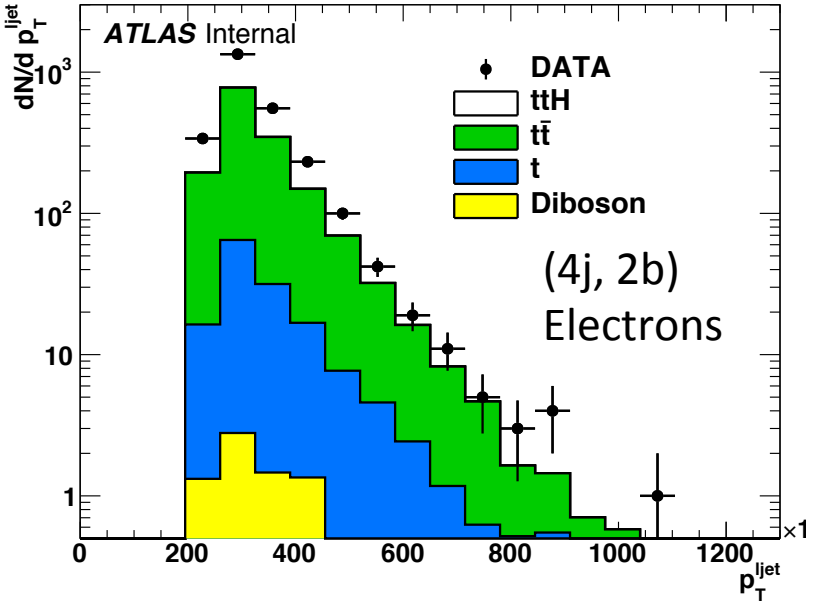
p_T^{ljet}, loose

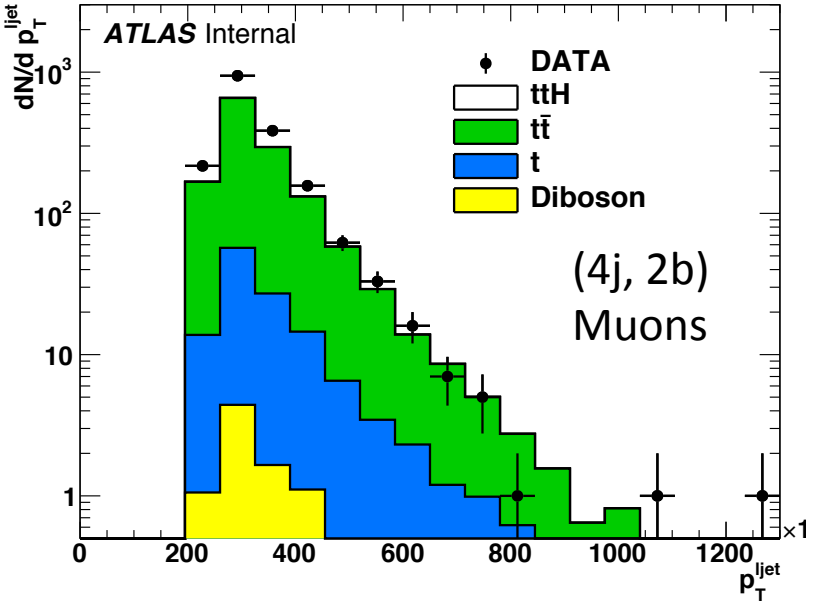




- S/B=0.0559274%
- S/B=0.0547272%

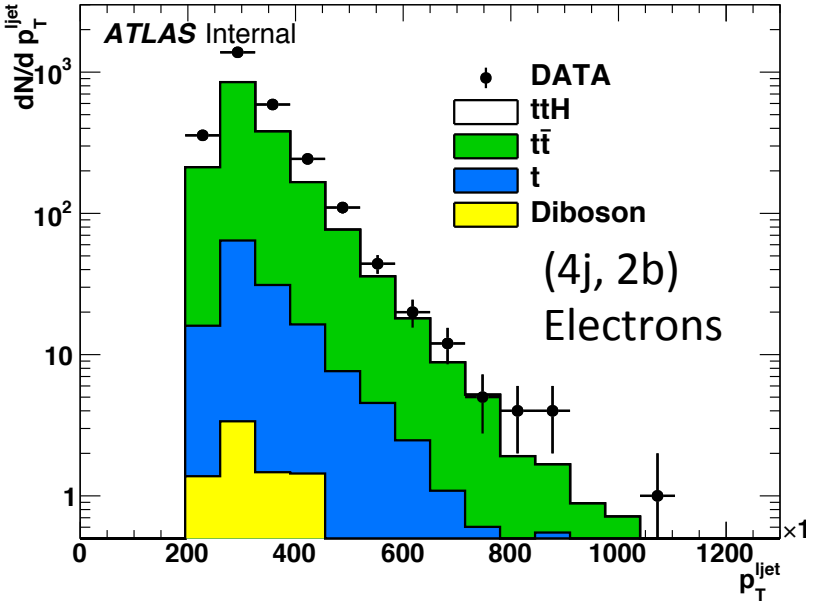
p_T^{ljet}, tight

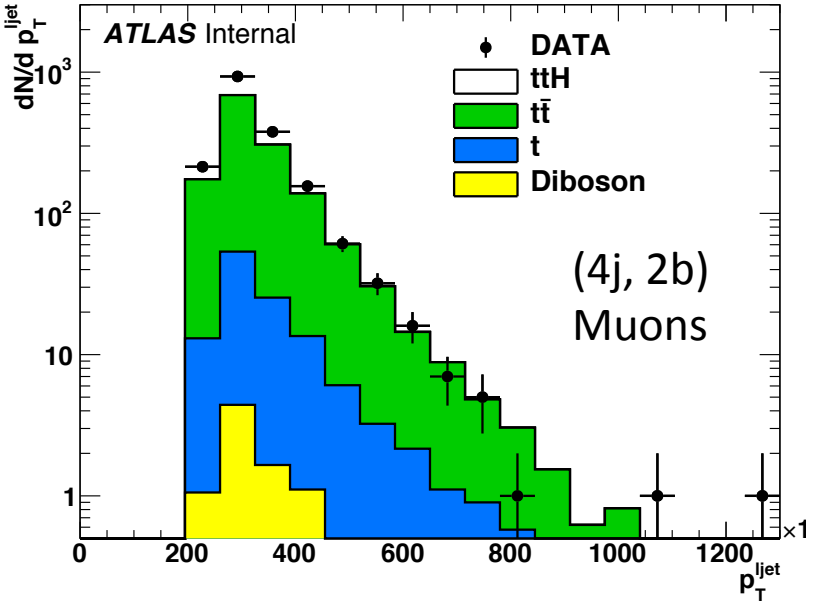




- S/B=0.0556281%
- S/B=0.054529%

p_T^{ljet}, loosetrackonly





- S/B=0.0552747%
- S/B=0.0519698%

Preliminary Conclusions

- "grad loose" has one order magnitude worse S/B than other options
  - Rest are comparable with current selection
- Will compare with analysis cuts (running now) as well as in other regions, e.g. signal region.