



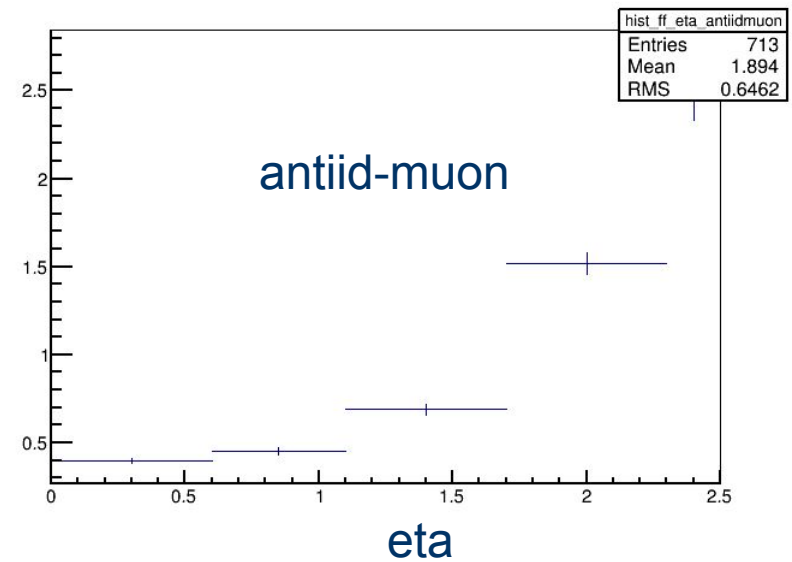
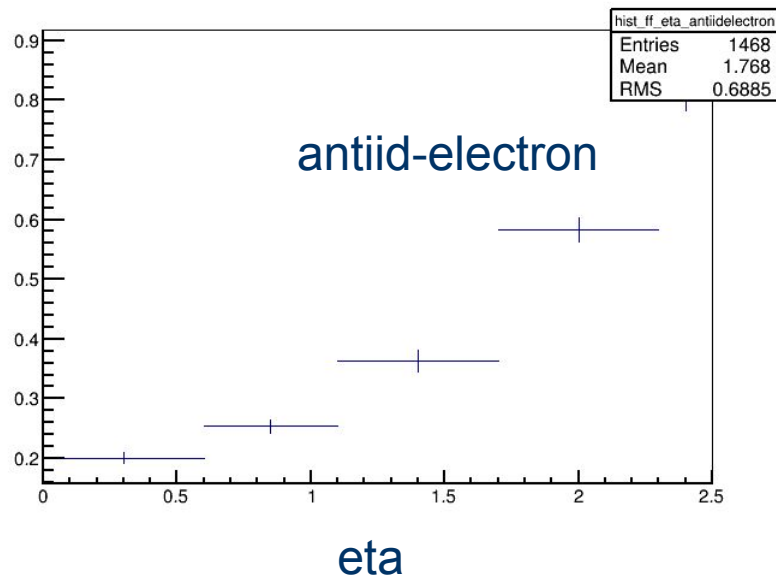
Weekly

Maosen Zhou
18 July, 2016

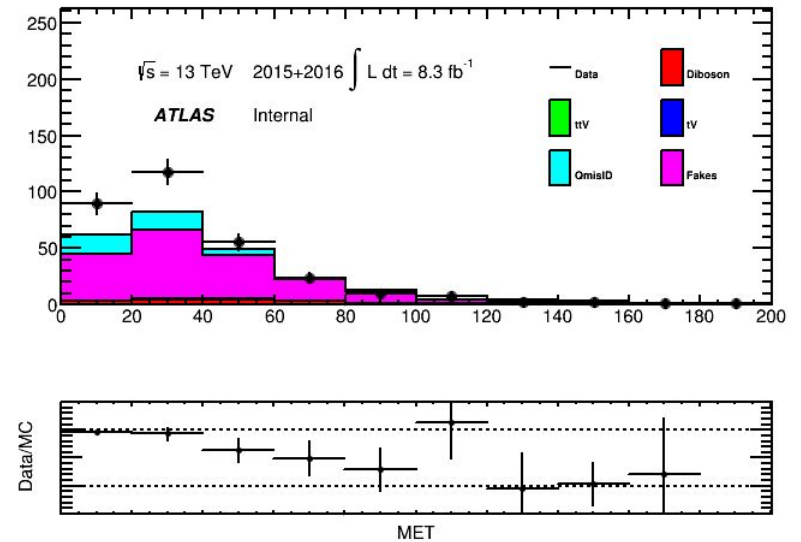
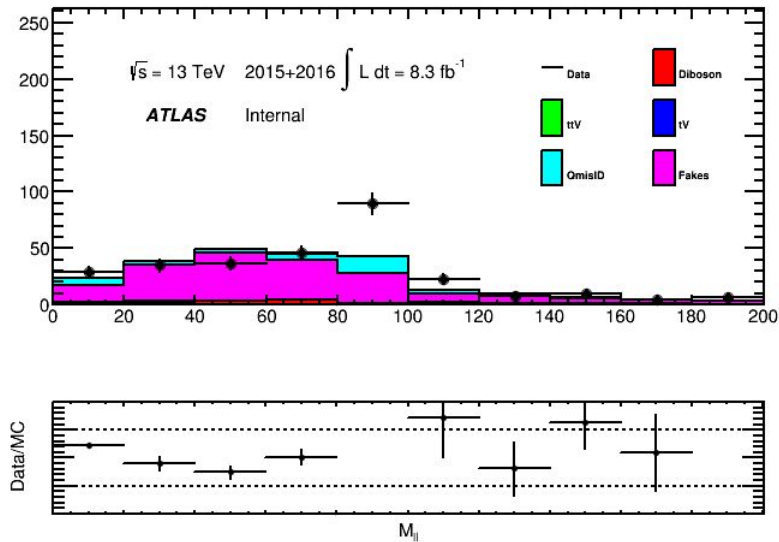
Introduction

- ❖ **2015+2016 8.3 fb⁻¹;**
- ❖ **Changed to estimate fake factor in emu channel;**
 - to avoid ambiguity when implementing;
- ❖ **fake factor of electron:**
 - standard OLR;
- ❖ **fake factor of muon:**
 - standard OLR, but reverse jet/mu removal;
- ❖ **CR: SS + 3 jets;**
 - $N_{\text{sig}}(\geq 4\text{jets})/N_{\text{sig}}(==3)=1.6$;
 - rare decay.

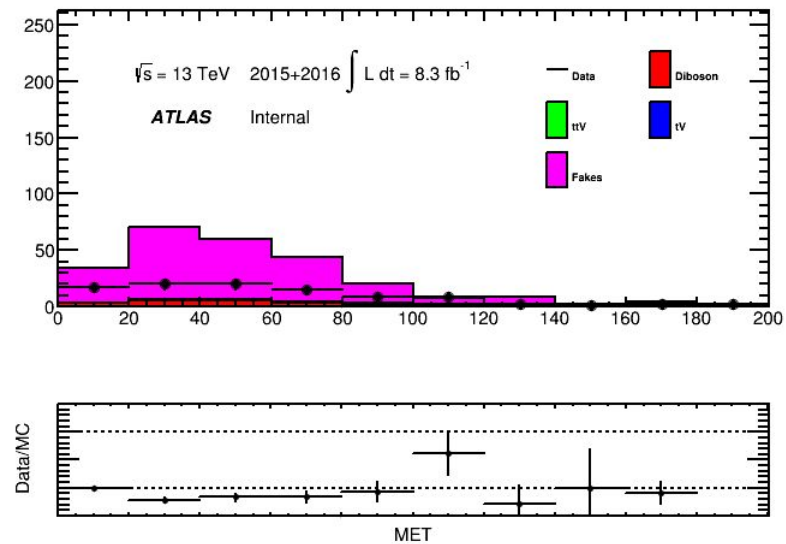
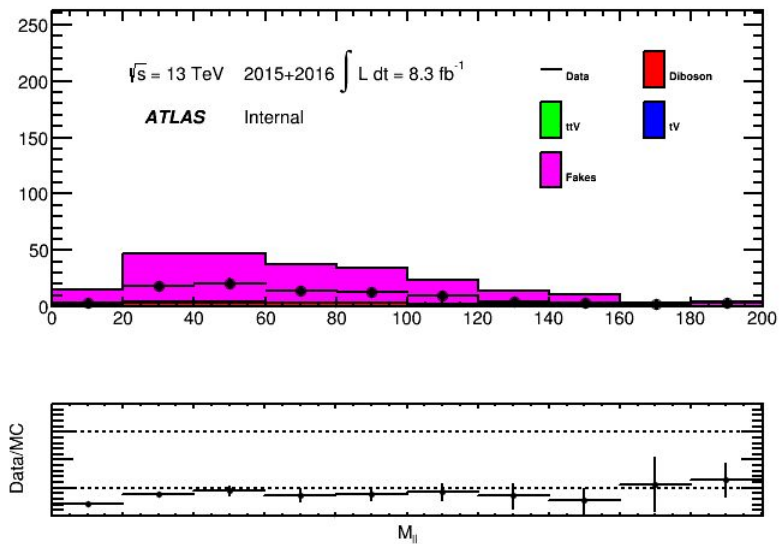
fake factor



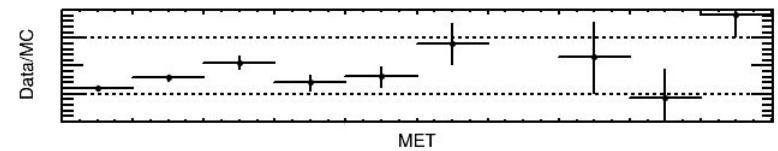
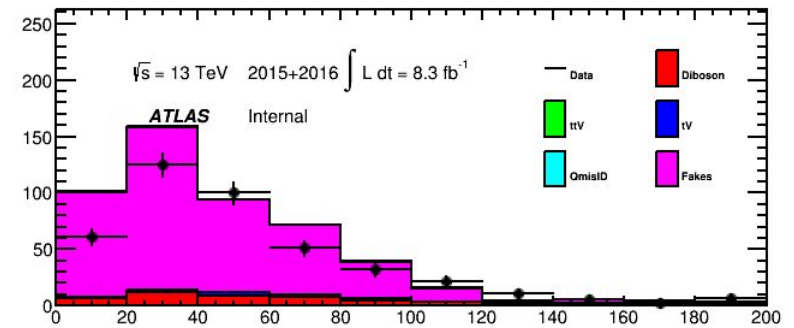
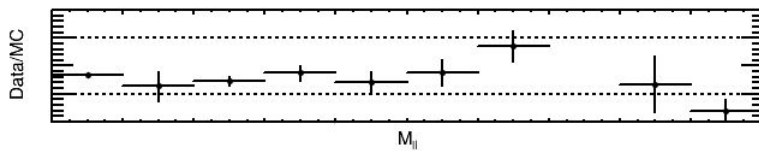
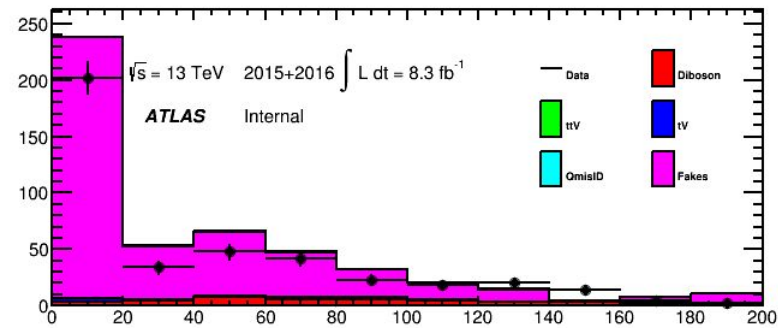
implementations-ee



implementations-mumu



implementations-emu



Conclusions

- ❖ Looks ee/emu OK, but there is data deficit for mumu;
- ❖ perform same procedure on ttbar MC to get uncertainty.

Back up