

# Charge flip estimation effort

## H<sup>++</sup>H<sup>--</sup> Meeting

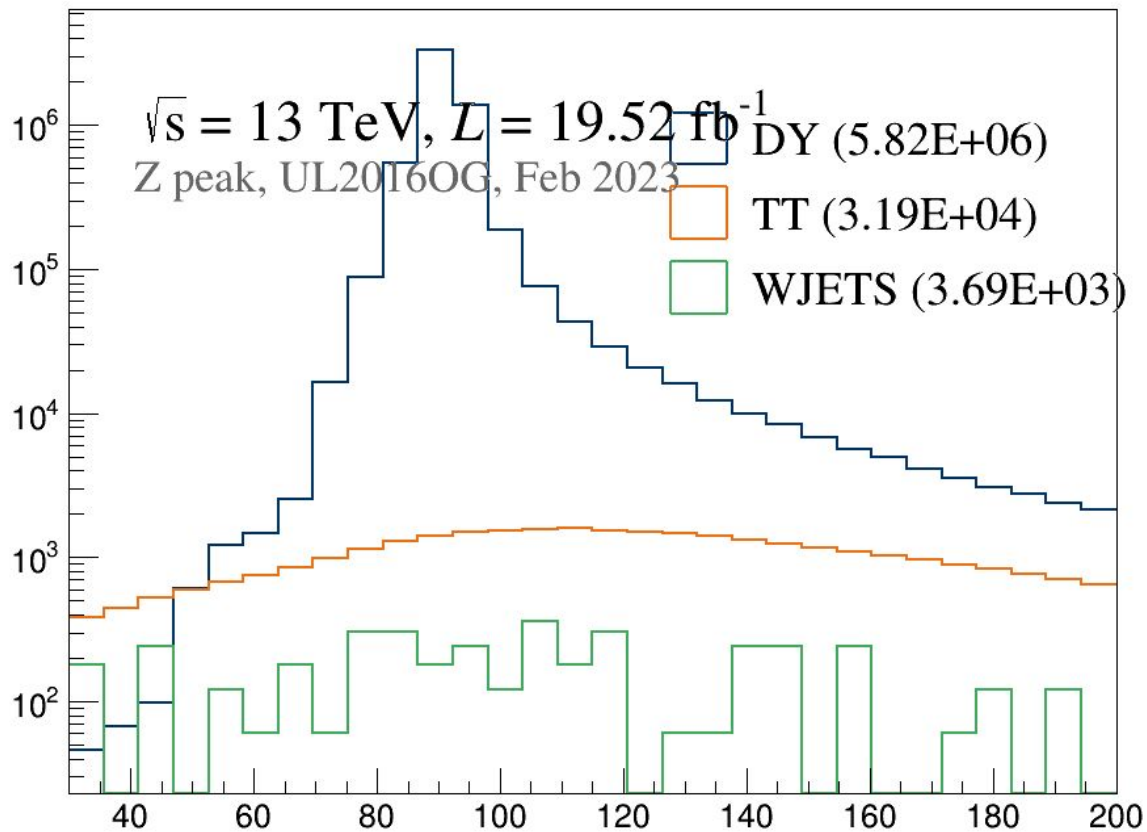
Edgar F. Carrera  
Universidad San Francisco de Quito, Ecuador



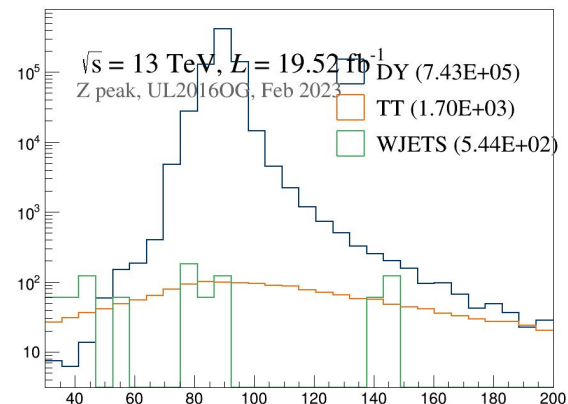
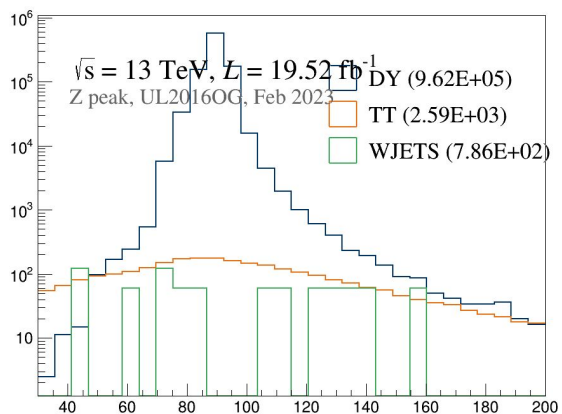
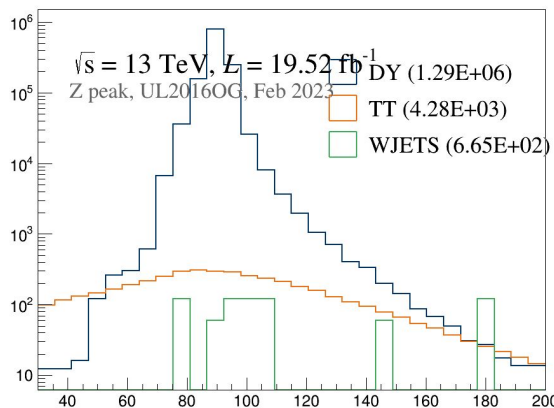
February 10, 2023

# 9 categories (bins) in $p_T$ and $\eta$

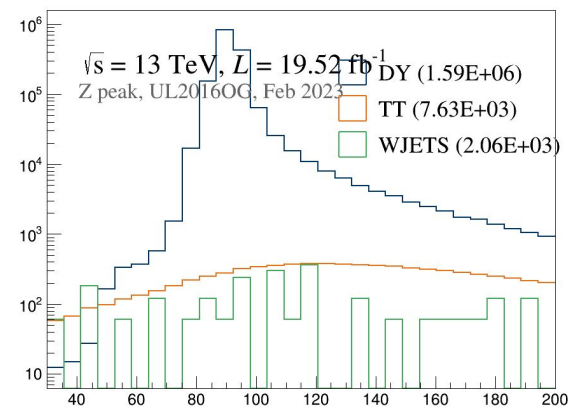
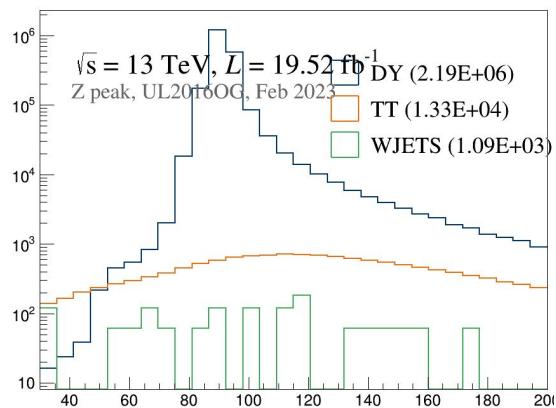
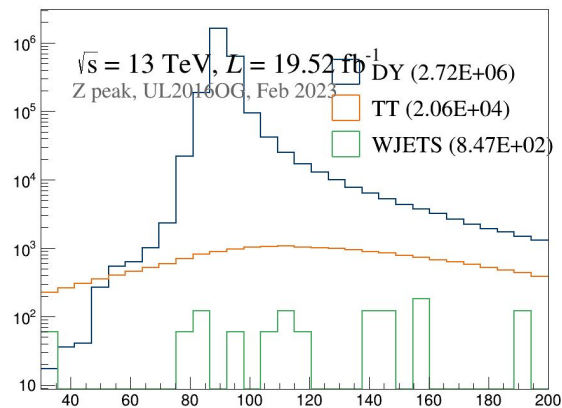
- cat1:  $0 < p_T < 40$ ;  $0 < |\eta| < 0.8$
- cat2:  $0 < p_T < 40$ ;  $0.8 \leq |\eta| < 1.479$
- cat3:  $0 < p_T < 40$ ;  $1.479 \leq |\eta| < 2.5$
  
- cat4:  $40 \leq p_T < 100$ ;  $0 < |\eta| < 0.8$
- cat5:  $40 \leq p_T < 100$ ;  $0.8 \leq |\eta| < 1.479$
- cat6:  $40 \leq p_T < 100$ ;  $1.479 \leq |\eta| < 2.5$
  
- cat7:  $p_T \geq 100$ ;  $0 < |\eta| < 0.8$
- cat8:  $p_T \geq 100$ ;  $0.8 \leq |\eta| < 1.479$
- cat9:  $p_T \geq 100$ ;  $1.479 \leq |\eta| < 2.5$



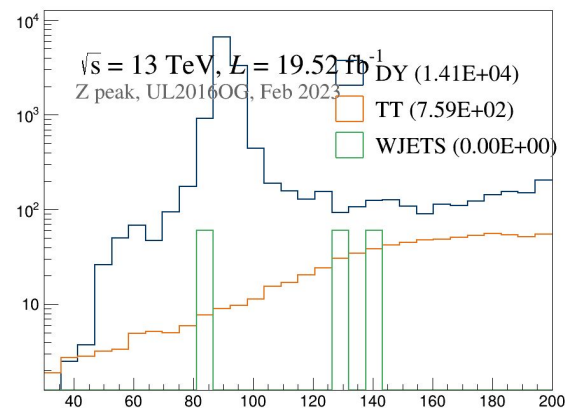
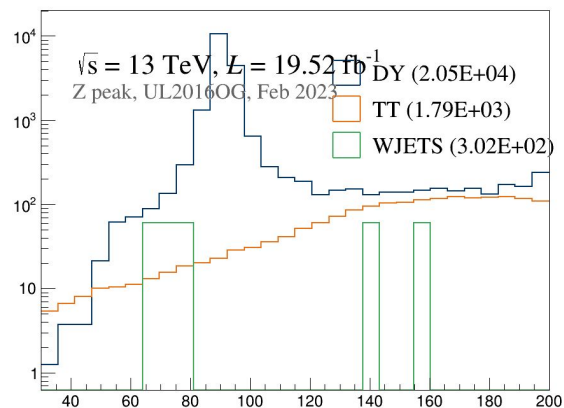
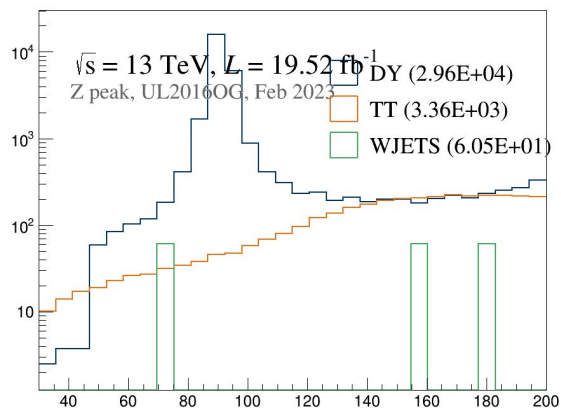
- cat1:  $0 < p_t < 40$ ;  $0 < |\eta| < 0.8$
- cat2:  $0 < p_t < 40$ ;  $0.8 \leq |\eta| < 1.479$
- cat3:  $0 < p_t < 40$ ;  $1.479 \leq |\eta| < 2.5$

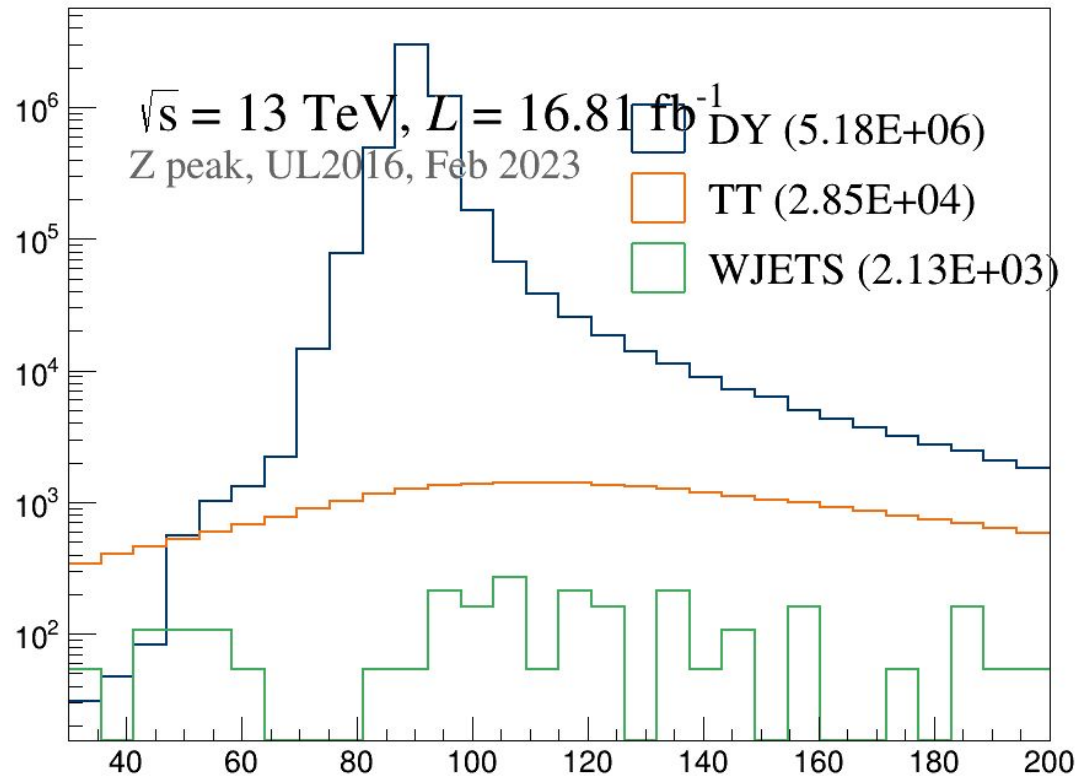


- cat4:  $40 \leq p_t < 100$ ;  $0 < |\eta| < 0.8$
- cat5:  $40 \leq p_t < 100$ ;  $0.8 \leq |\eta| < 1.479$
- cat6:  $40 \leq p_t < 100$ ;  $1.479 \leq |\eta| < 2.5$



- cat7:  $pt \geq 100$ ;  $0 < |\eta| < 0.8$
- cat8:  $pt \geq 100$ ;  $0.8 \leq |\eta| < 1.479$
- cat9:  $pt \geq 100$ ;  $1.479 \leq |\eta| < 2.5$





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