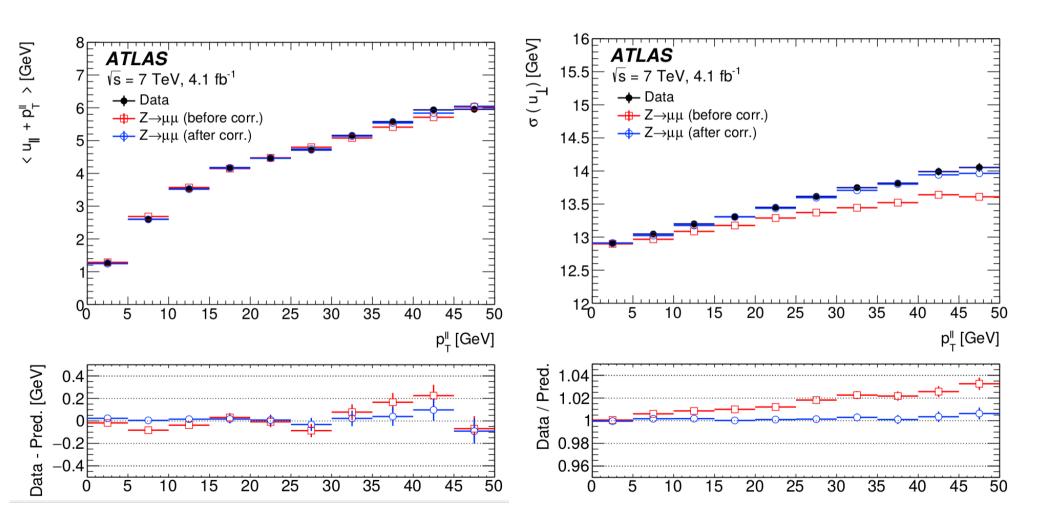
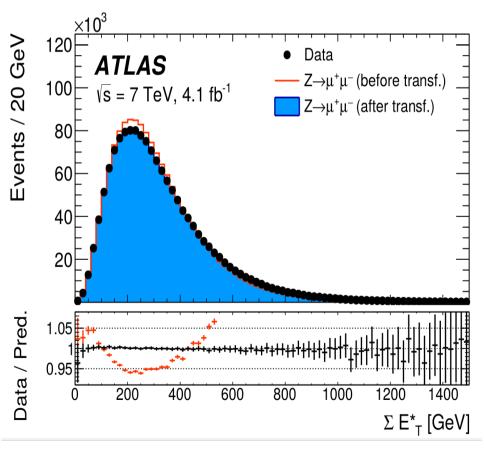
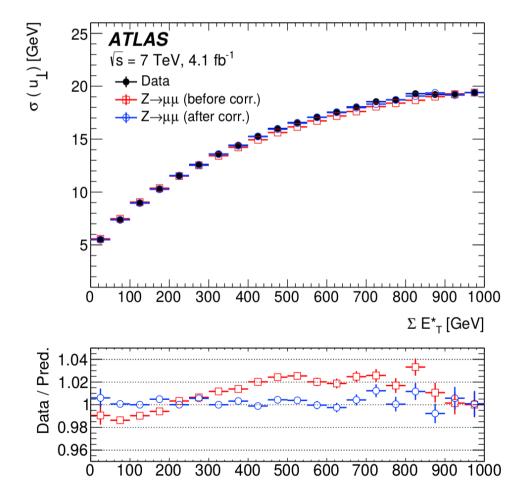
• p_T^{\vee} - dependent smearing : bias and resolution

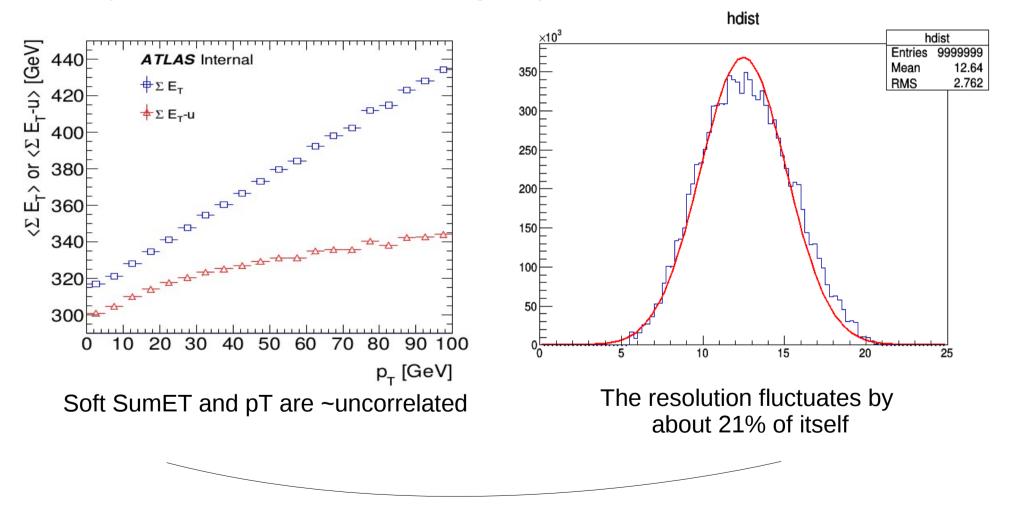


- This ignores that at given pT, SumET fluctuates, so that the resolution is not a constant
 - Rather define "soft SumET", == SumET u_T



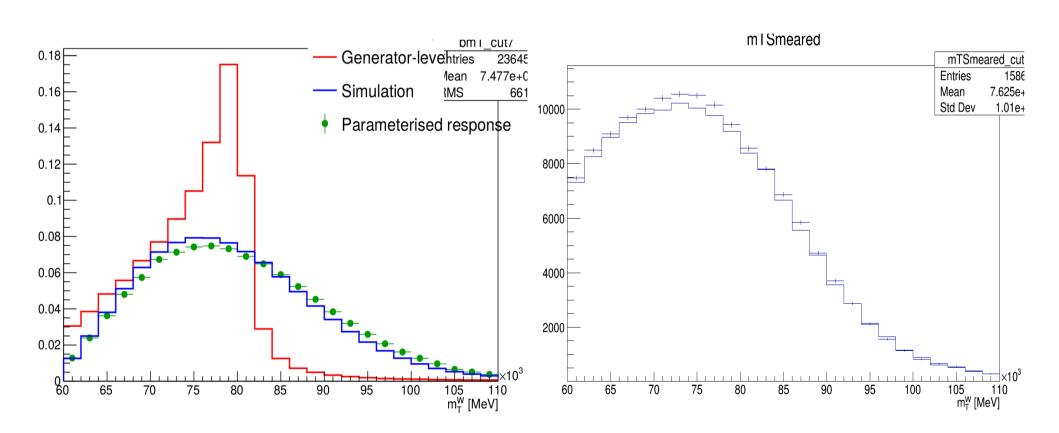


Impact of soft SumET fluctuations at given pTV



In first order, incorporate effect by drawing $\sigma(p_T)$ from a gaussian distribution of width 0.21* $<\sigma(p_T)>$, and smear accordingly

Impact of soft SumET fluctuations at given pTV



Impact of soft SumET fluctuations at given pTV

