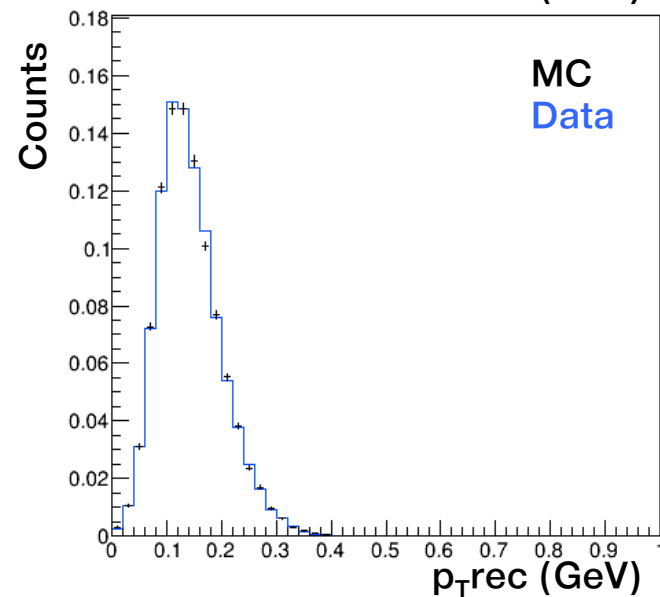
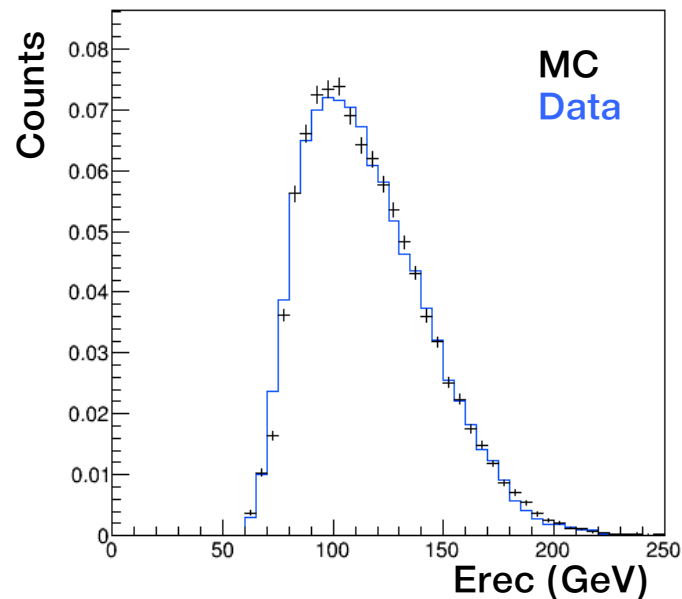
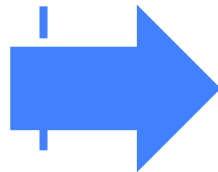
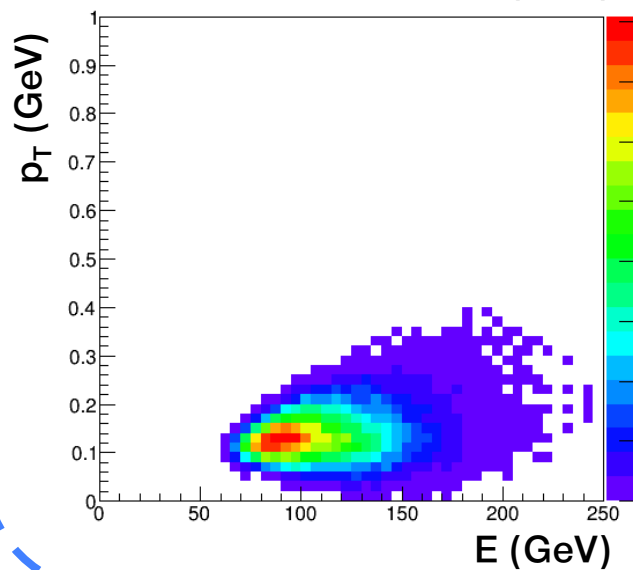
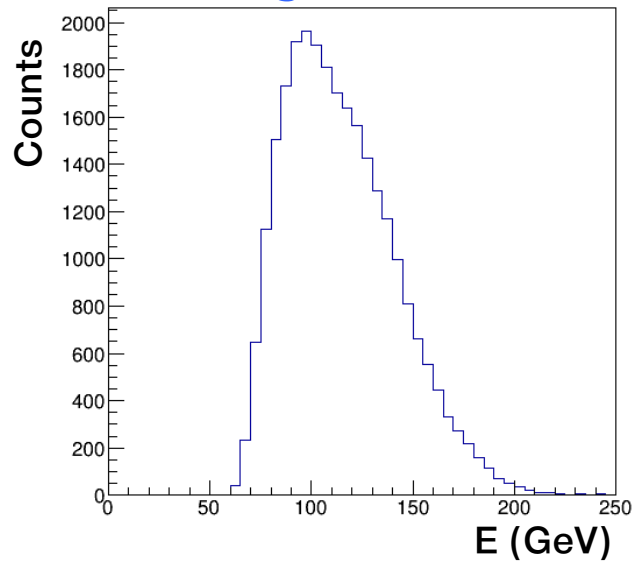


x_F and p_T reconstruction performances

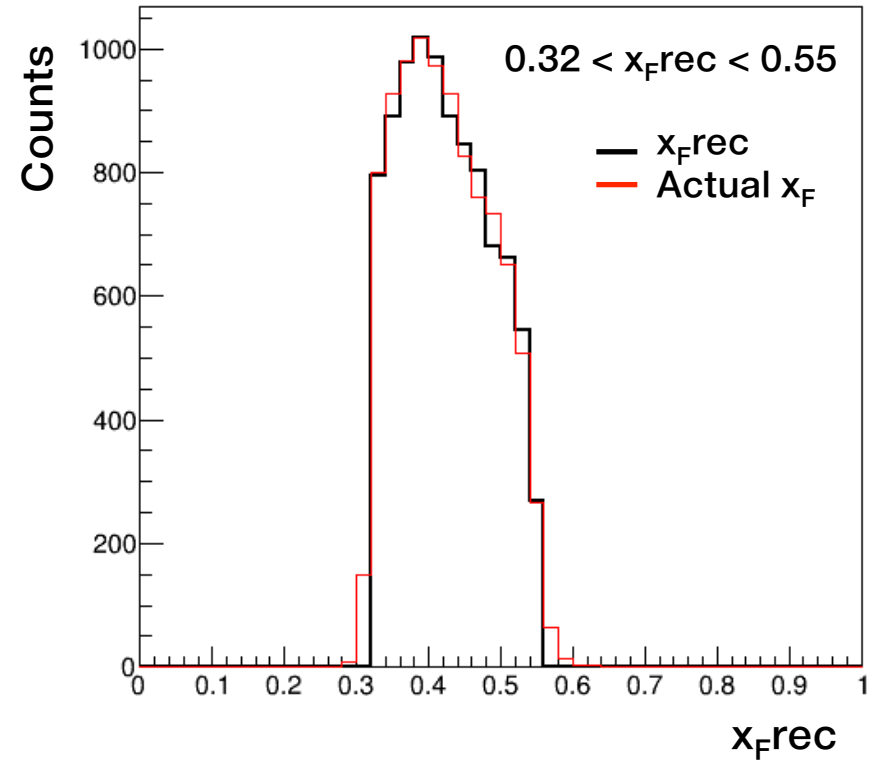
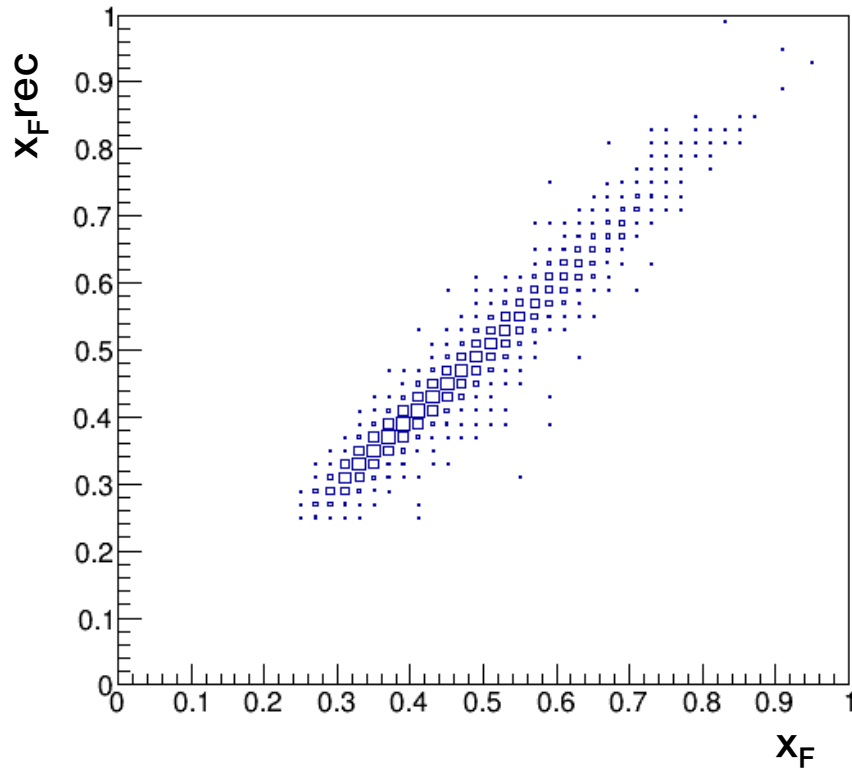
01 Aug. 2019
Minho Kim

Type-I π^0 MC generation

MC generation

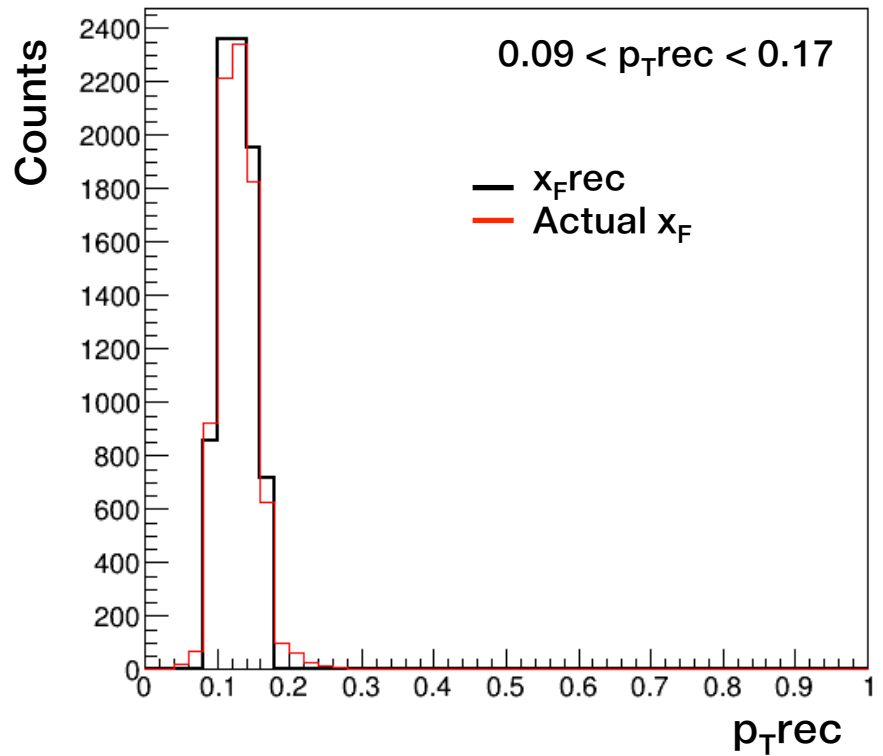
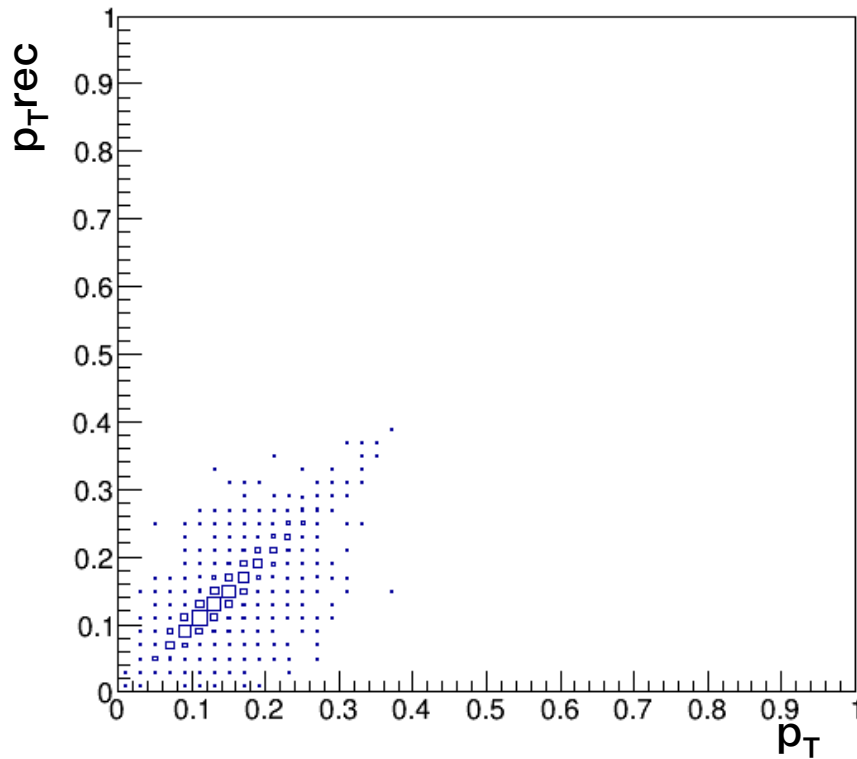


Actual x_F vs Reconstructed x_F



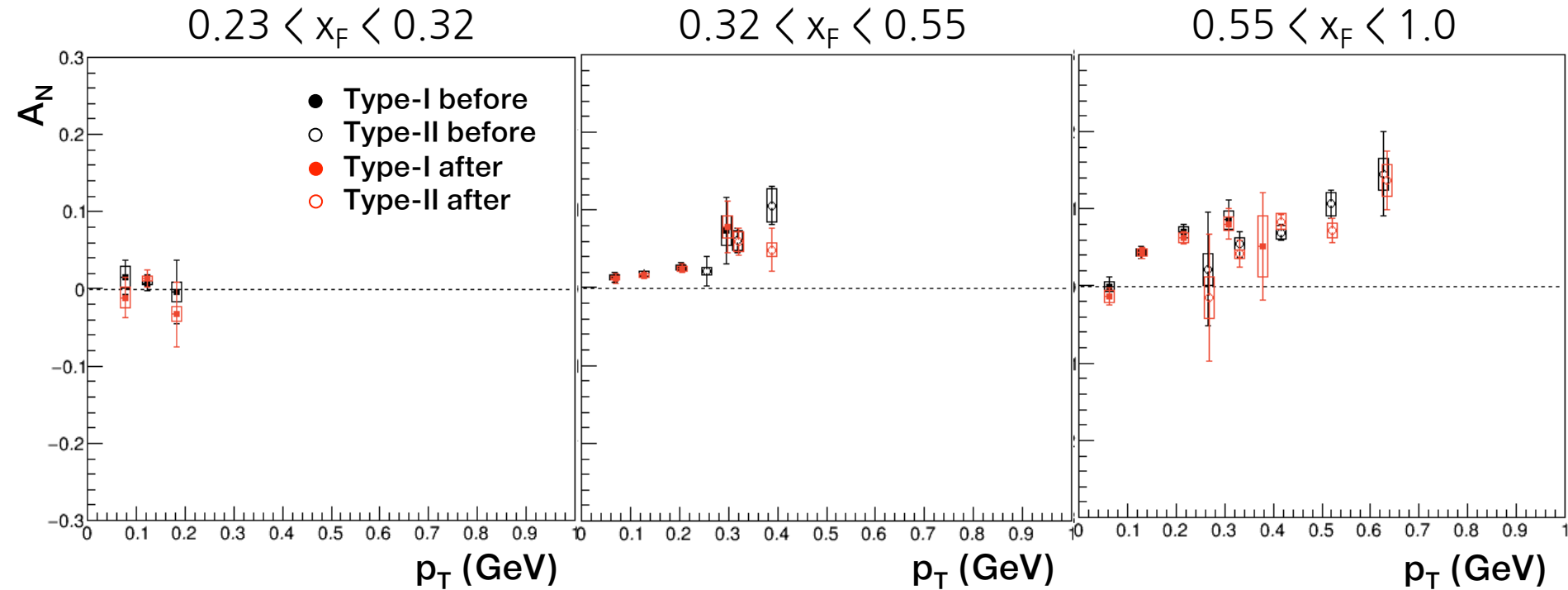
- $100 * (N_{\text{smear}} / N_{\text{total}}) = 3.6\%$
- $100 * ((\langle x_F \rangle_{\text{act}} - \langle x_F \rangle_{\text{rec}}) / \langle x_F \rangle_{\text{act}}) = 0.3\%$

Actual p_T vs Reconstructed p_T



- $100 * (N_{smear} / N_{total}) = 7.6\%$
- $100 * ((\langle p_T \rangle_{act} - \langle p_T \rangle_{rec}) / \langle p_T \rangle_{act}) = 0.4\%$

A_N of middle position run after energy Cor.



- No critical A_N difference between before and after energy correction.
- The energy correction will be done for other run types as well.