

Jet Energy Calibration Results

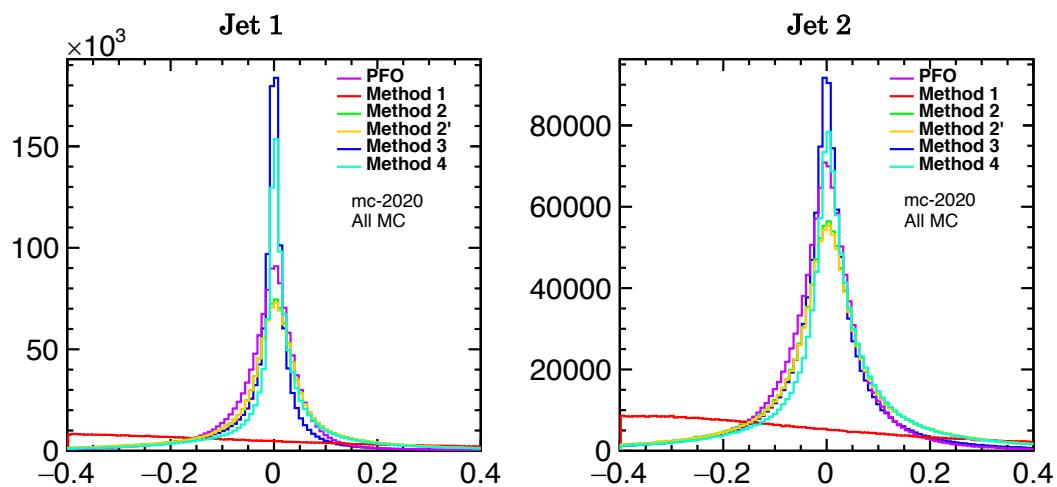
1. Method Comparison

1.1. Method comparison using All-MC

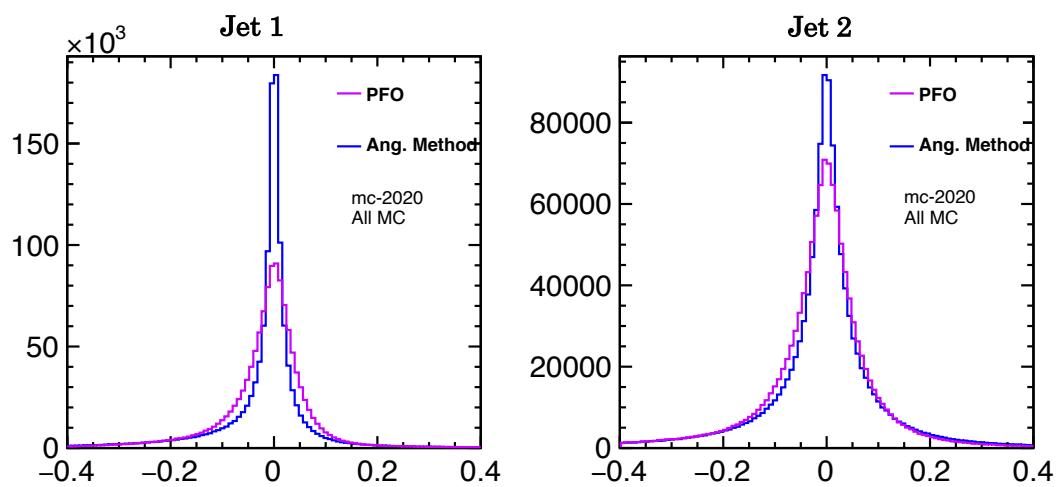
Relative difference of jet energies

*All plots in this “Chapter 1.” use only eLpR samples.

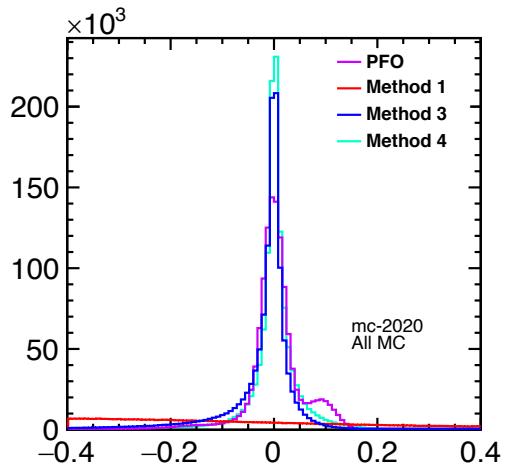
All methods comparison



Comparison between PFO and Ang. Method



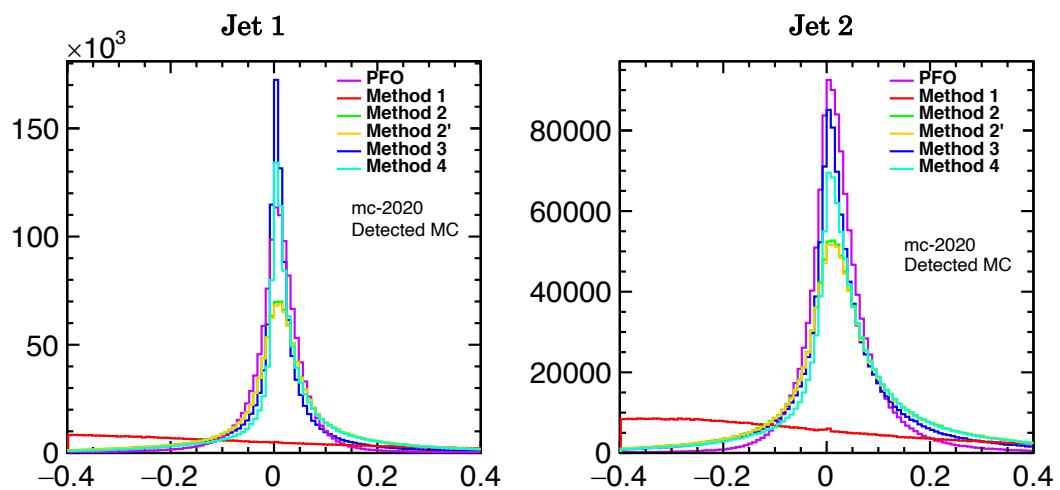
Photon energy defference



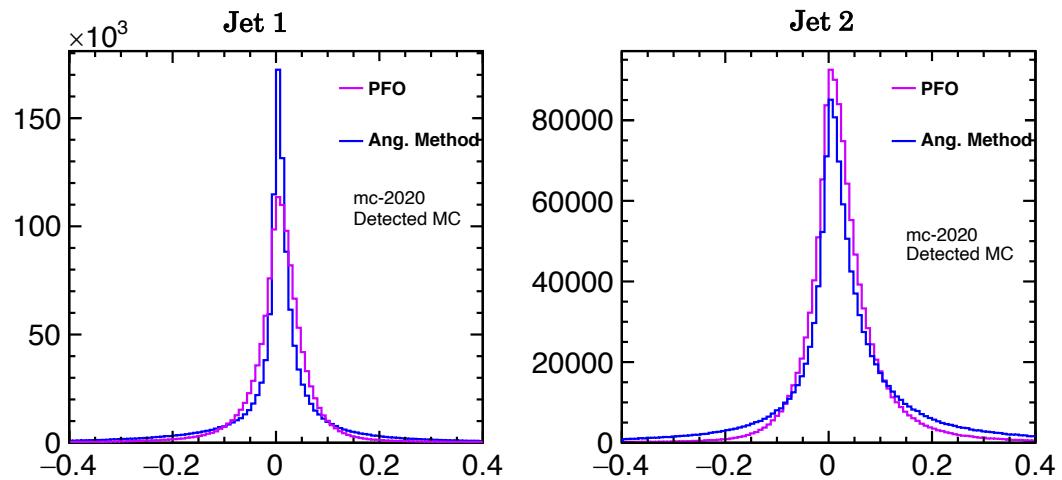
1.2. Method comparison using Detected-MC

Relative difference of jet energies

All methods comparison



Comparison between PFO and Ang. Method



2. Energy, Flavor and Theta Dependences

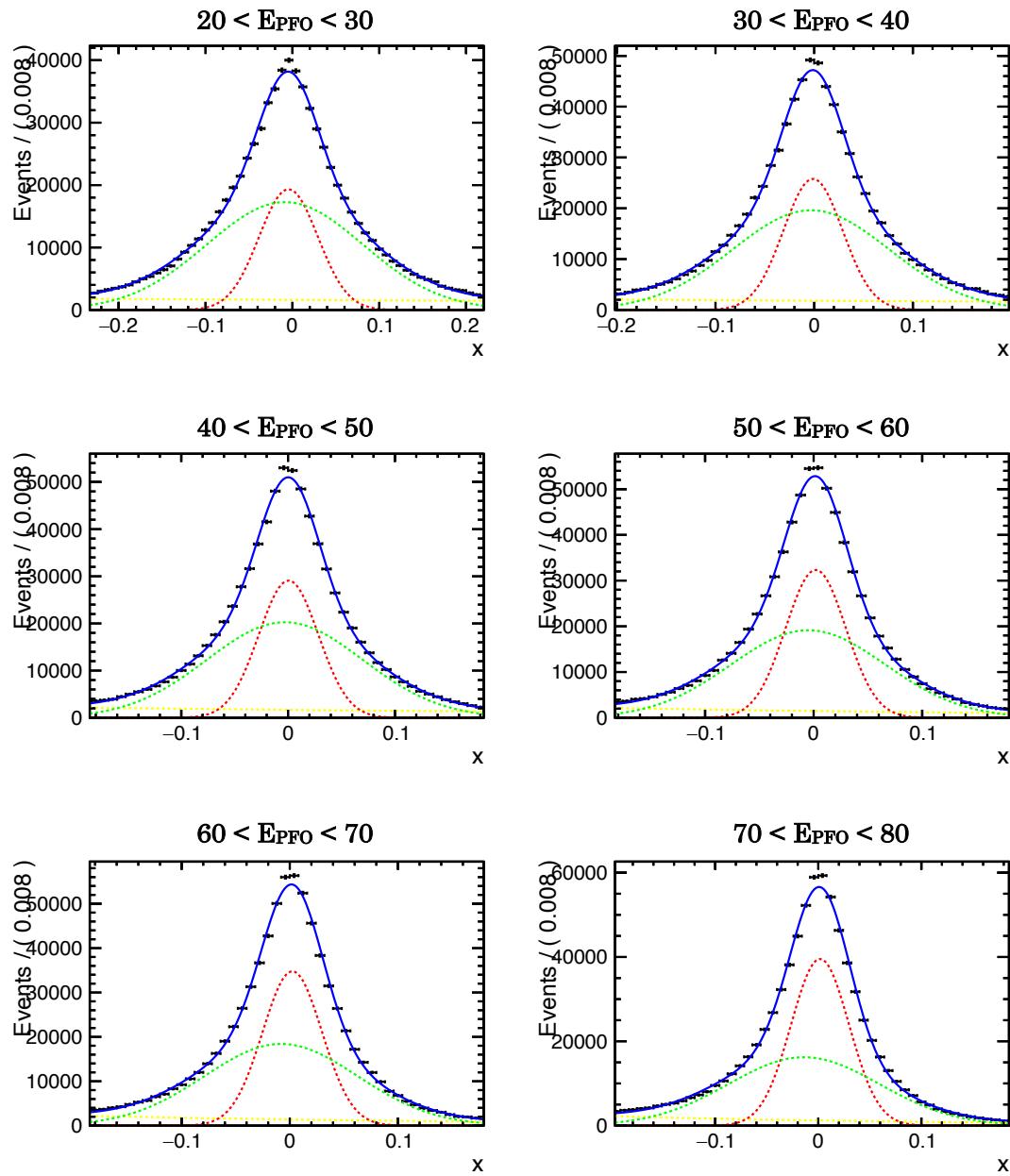
2.1. Energy dependence

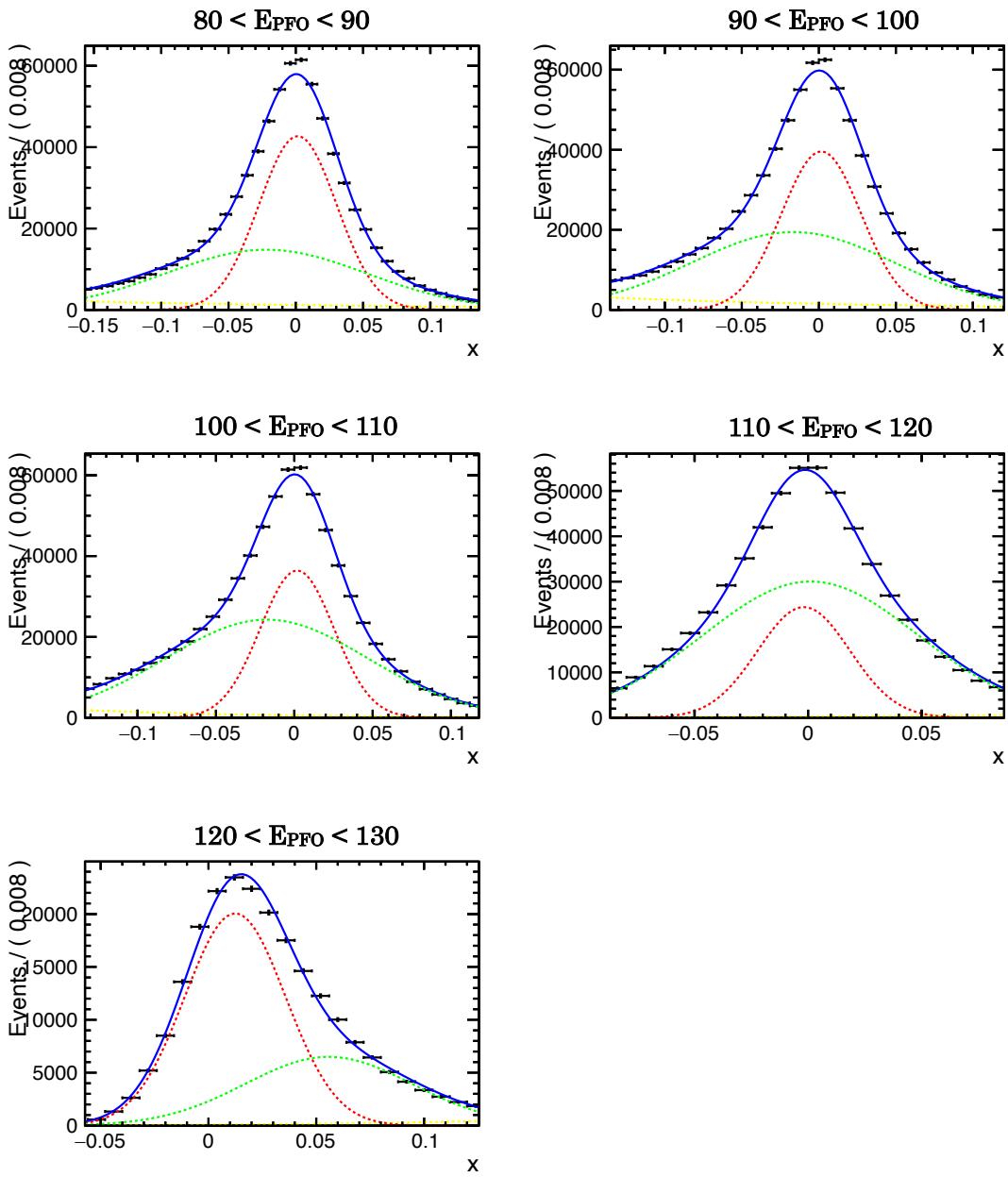
2.1.1. Energy dependence using All-MC

2.1.1.1. Energy dependence of PFO using All-MC

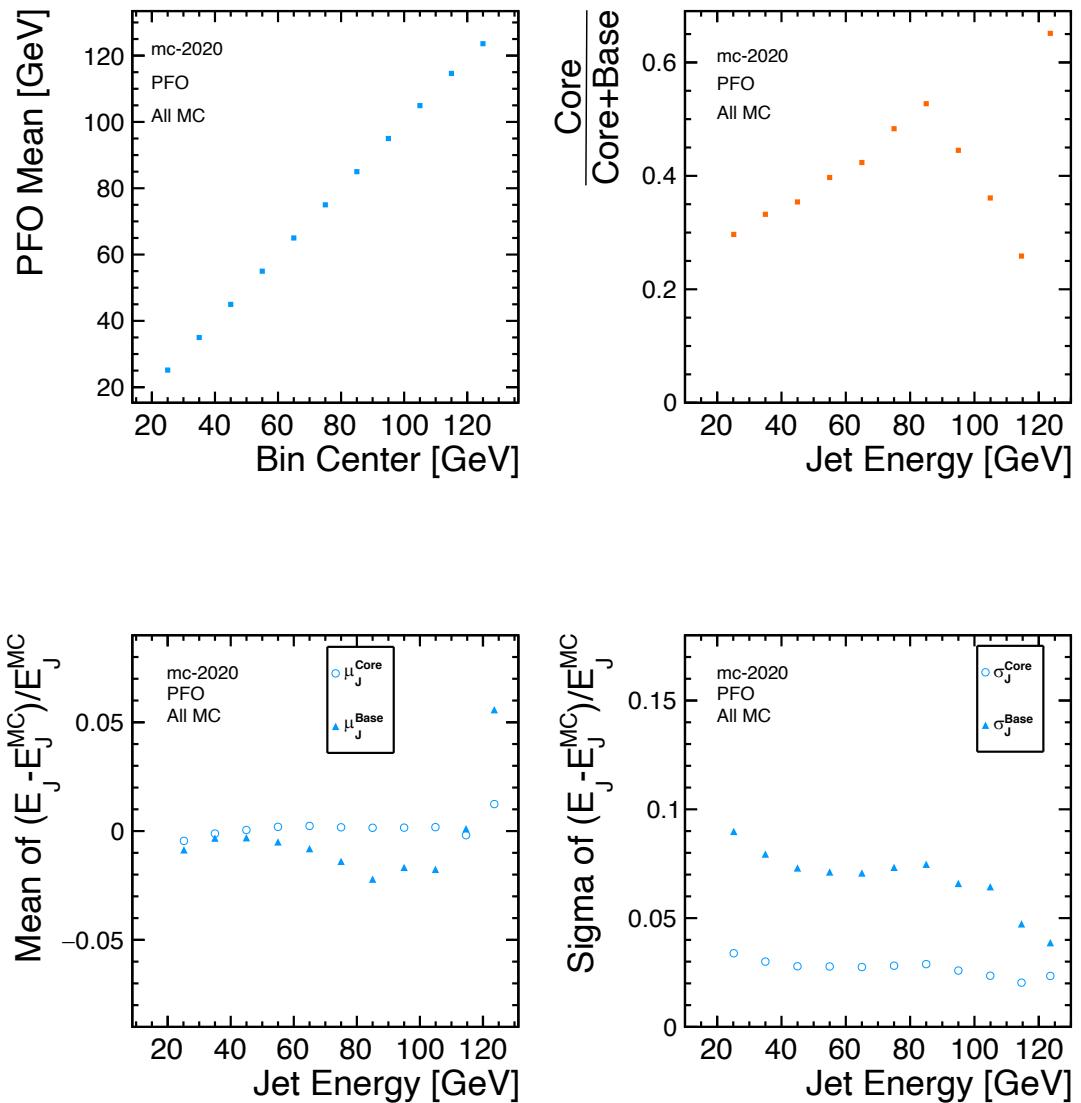
Relative difference of PFO jet energy

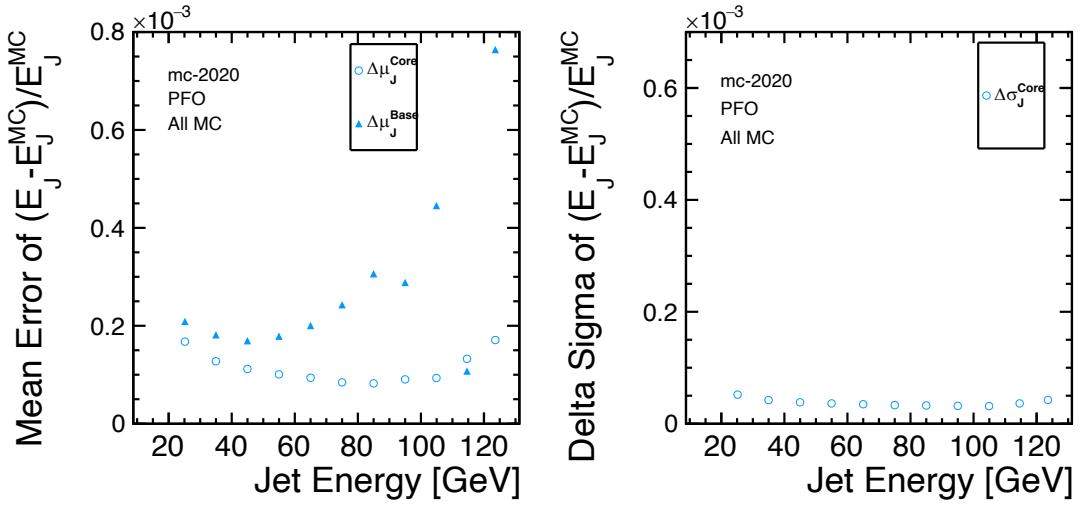
Raw distributions





Fitting parameters

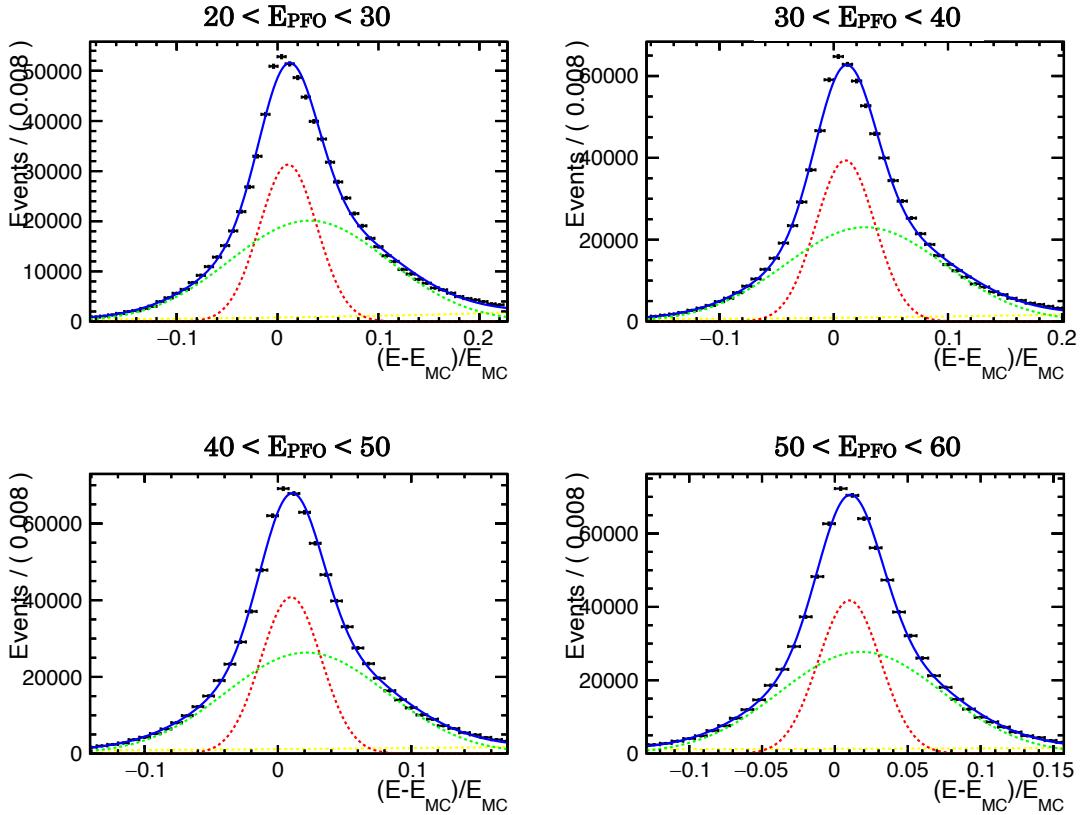


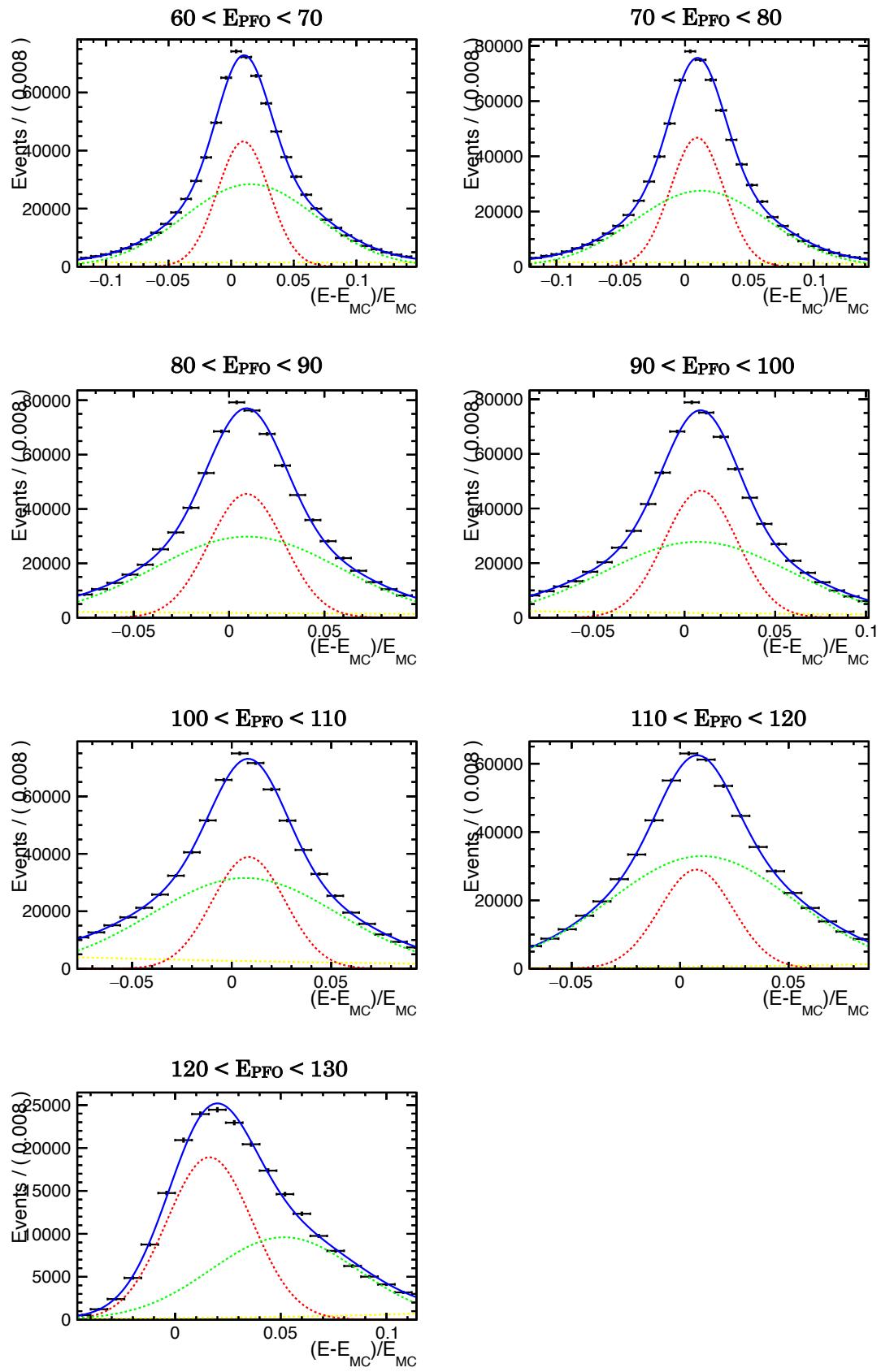


2.1.1.2. Energy dependence of Ang. Method using All-MC

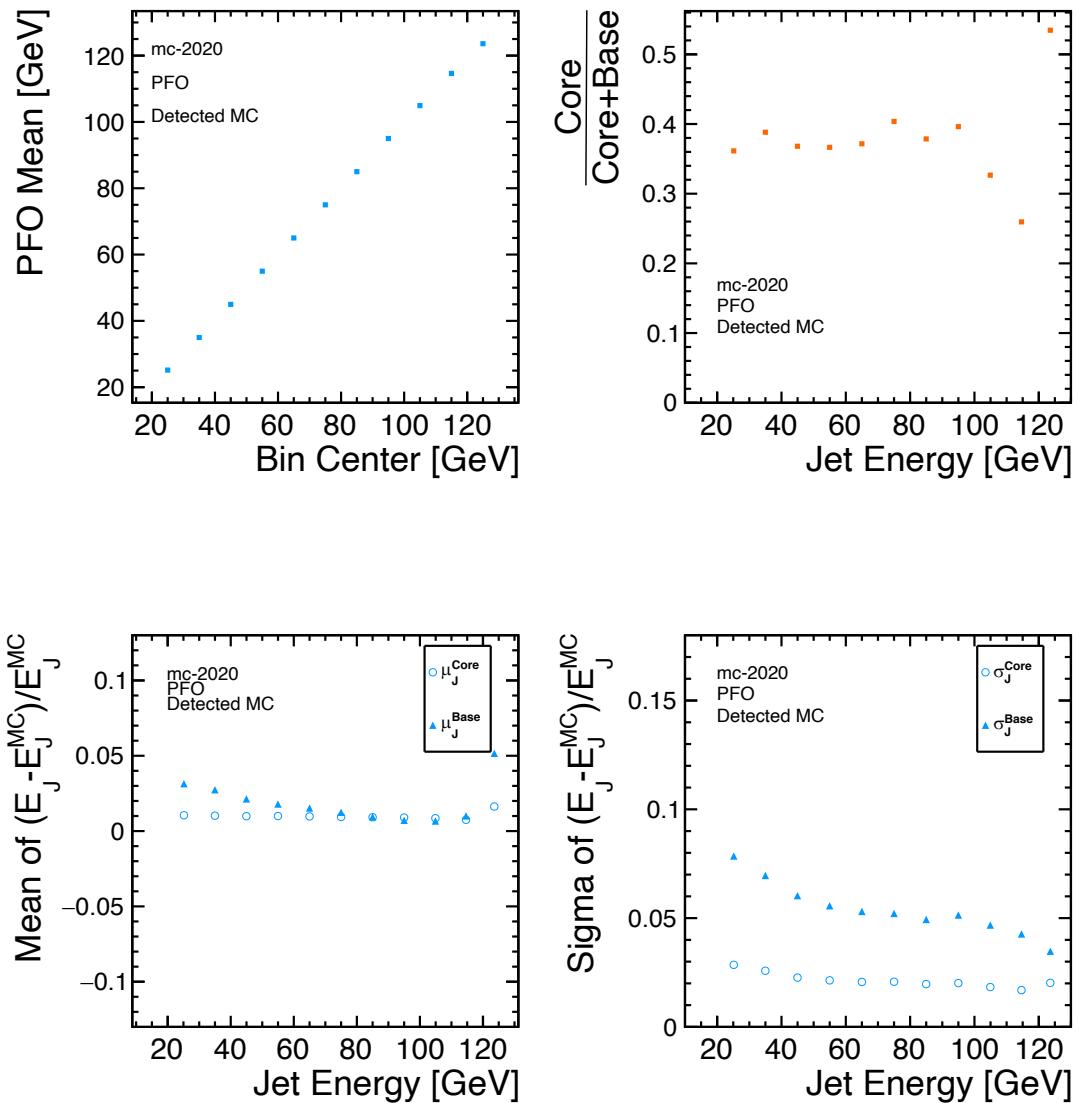
Relative difference of PFO jet energy

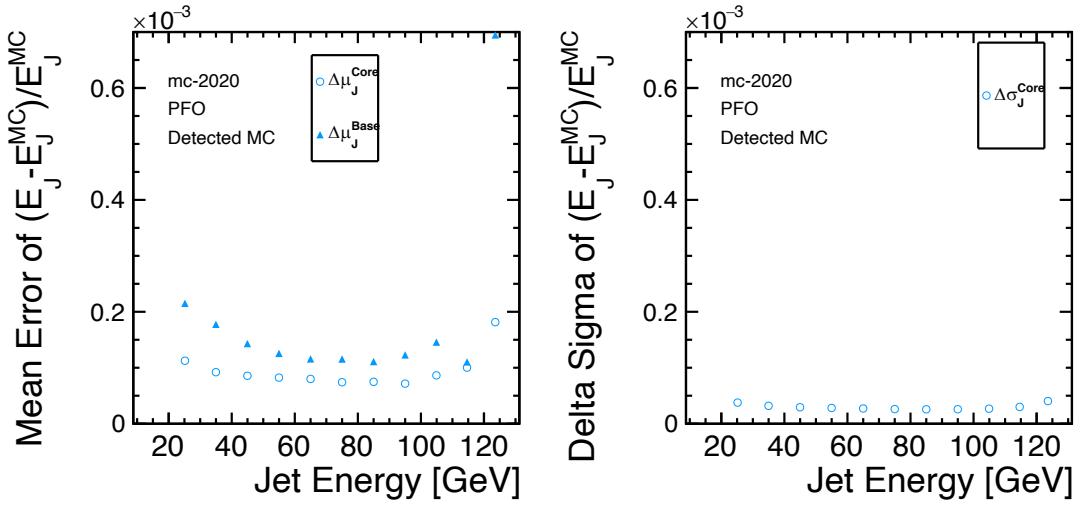
Raw distributions





Fitting parameters

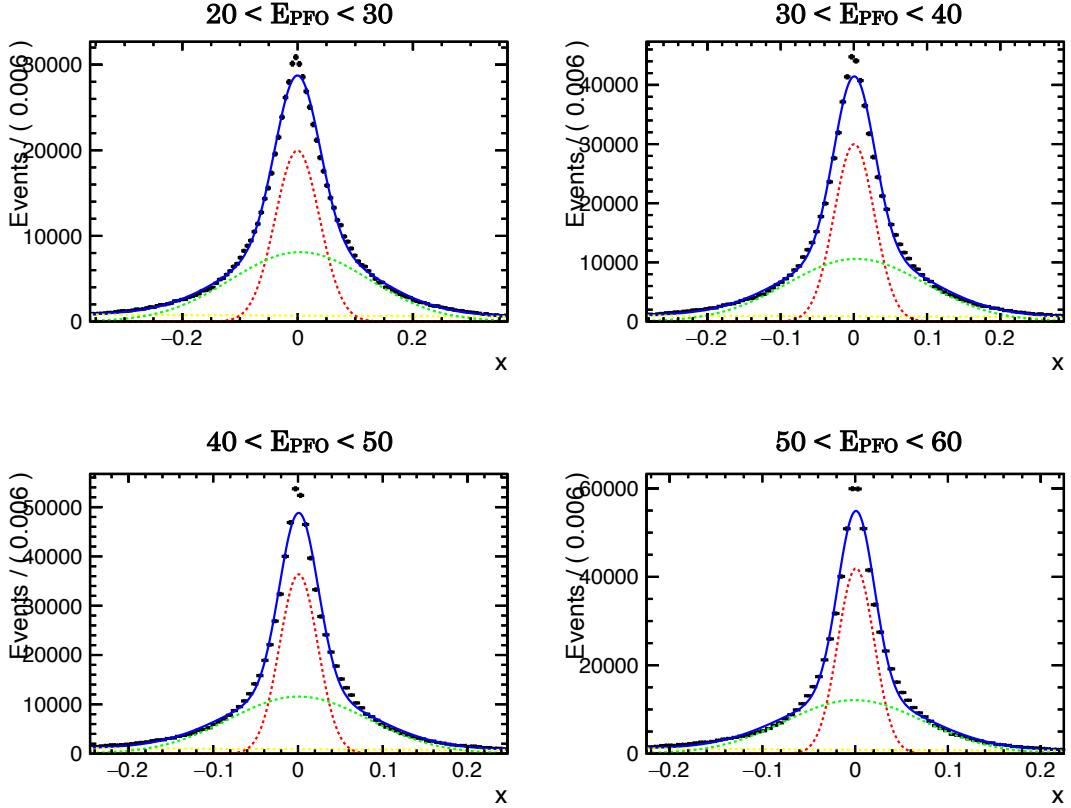


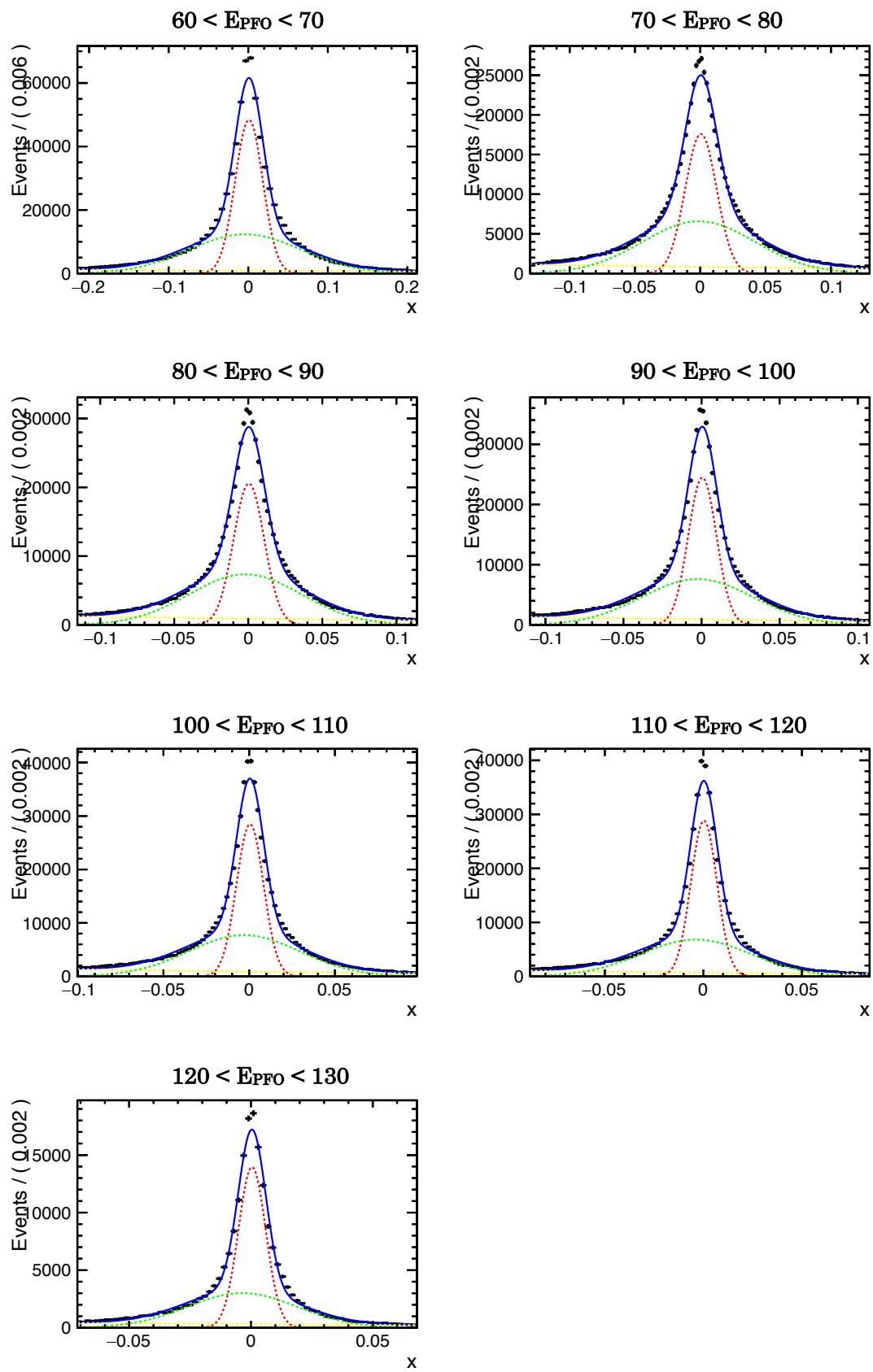


2.1.2. Energy dependence using Detected-MC

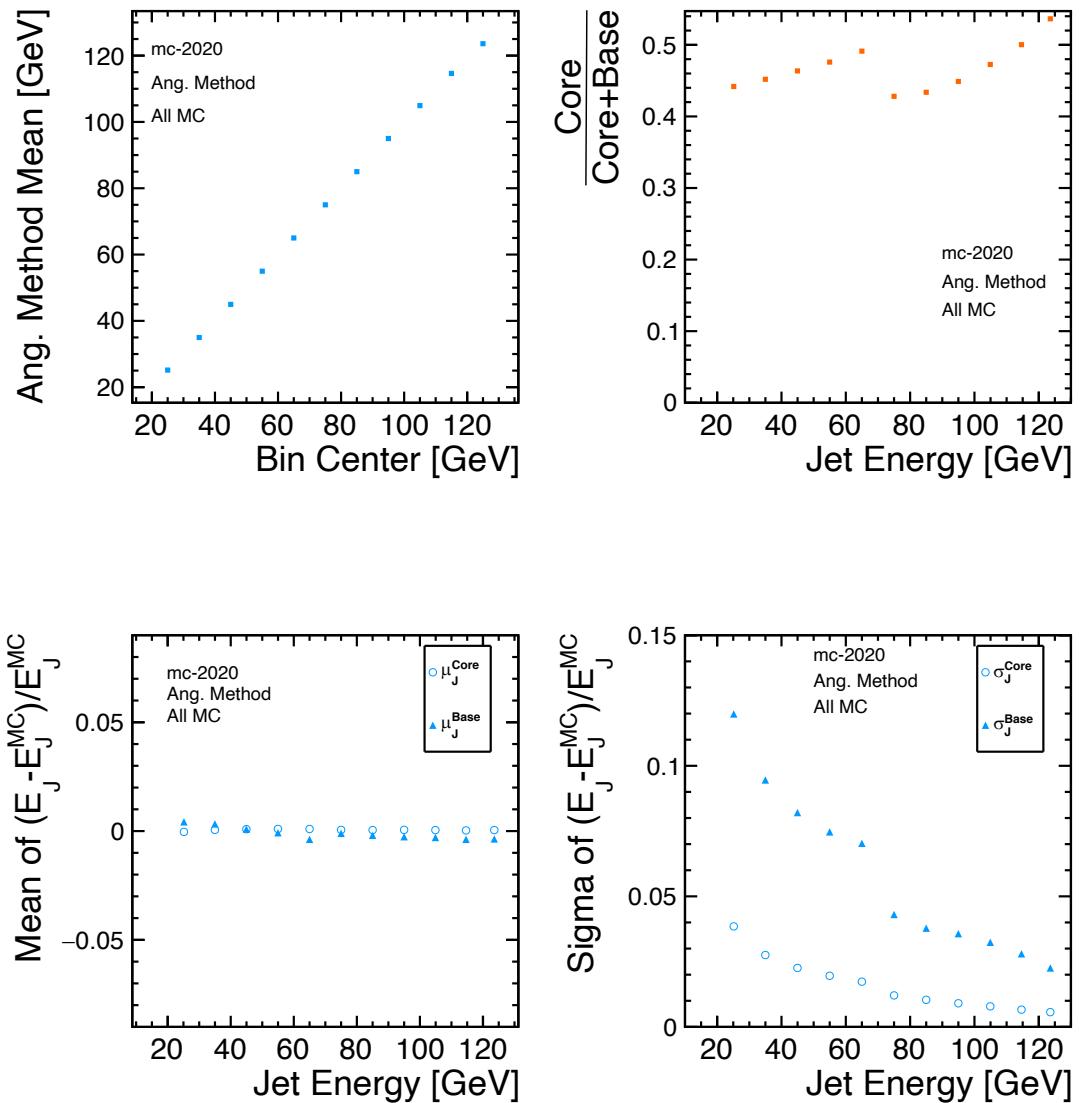
2.1.2.1. Energy dependence of PFO using Detected-MC

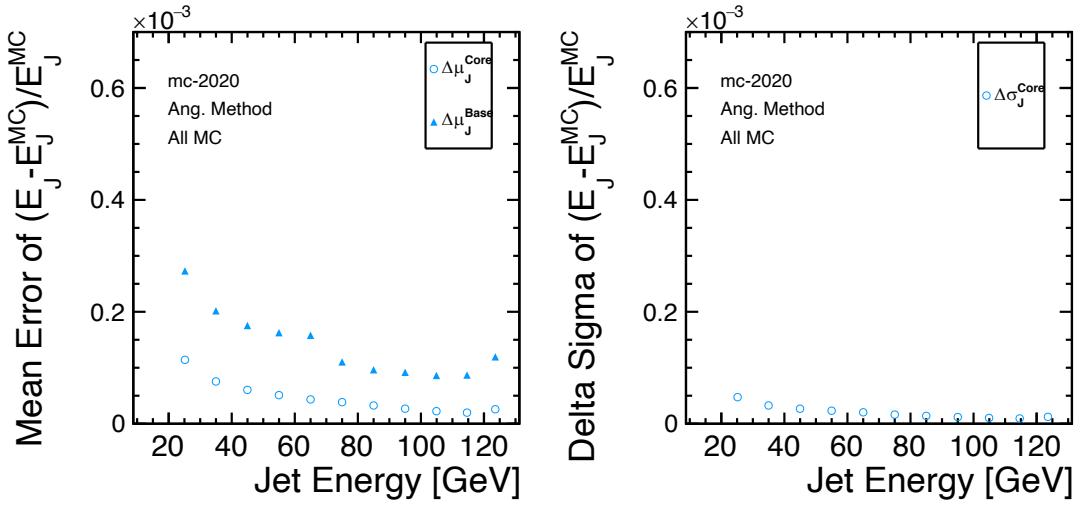
Raw distributions





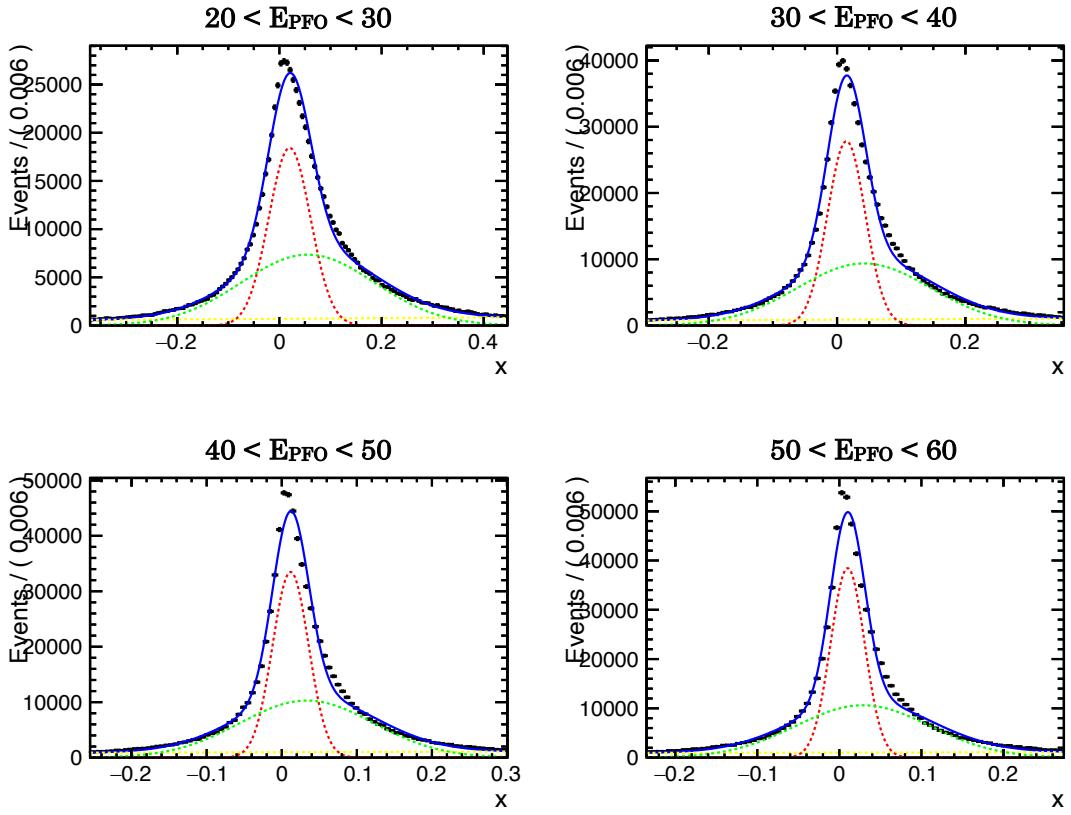
Fitting parameters

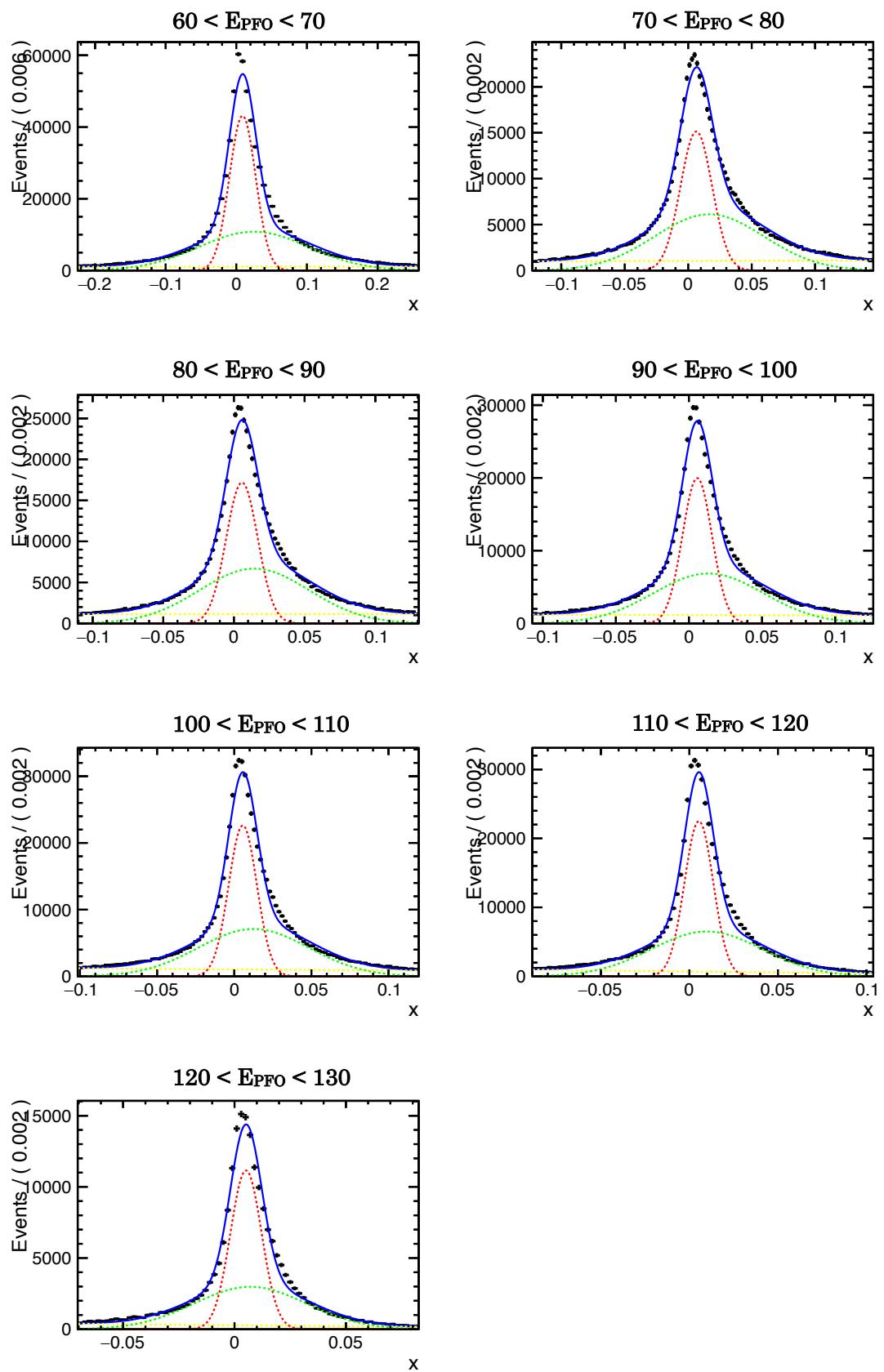




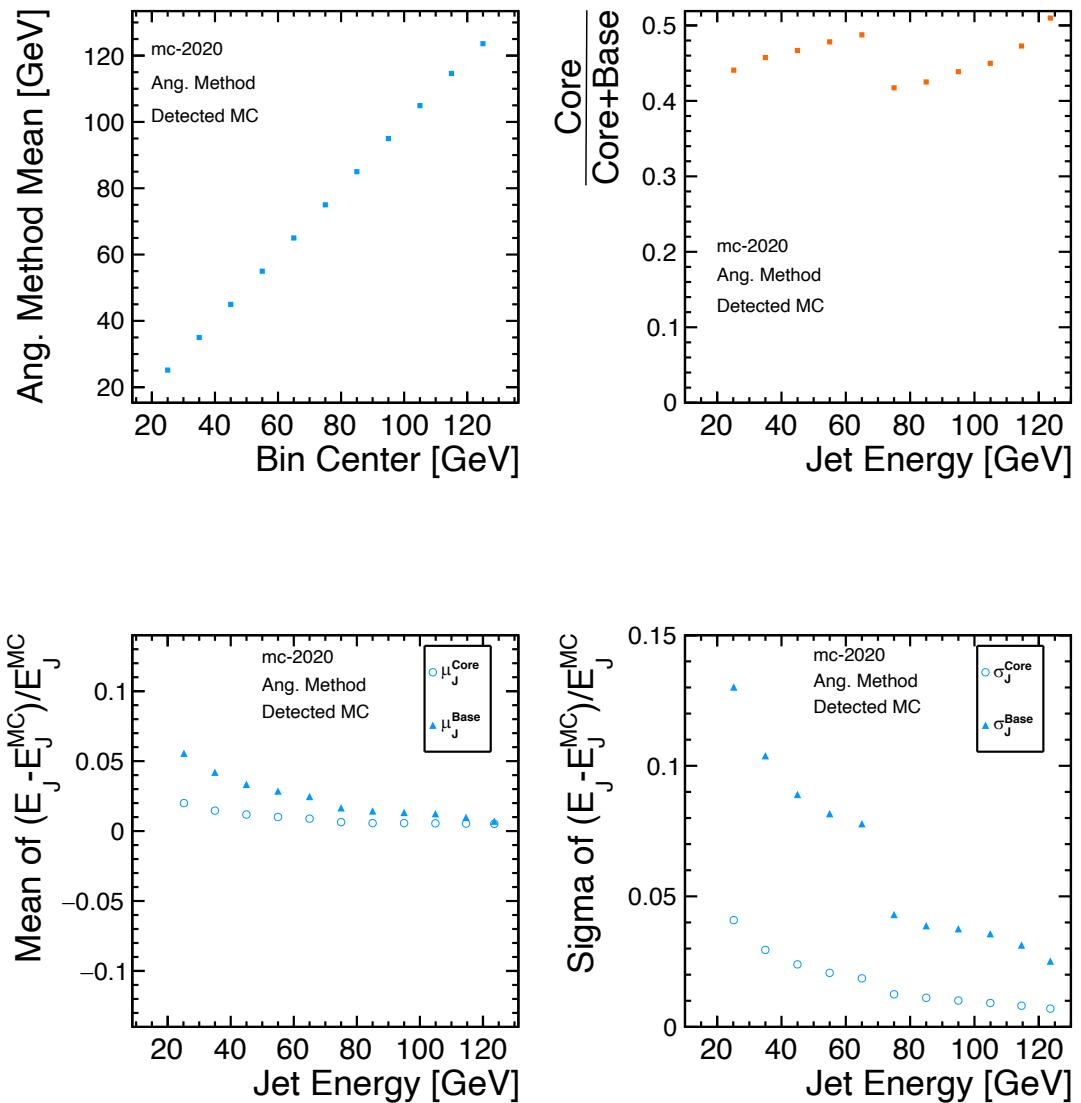
2.1.2.2. Energy dependence of Ang. Method using Detected-MC

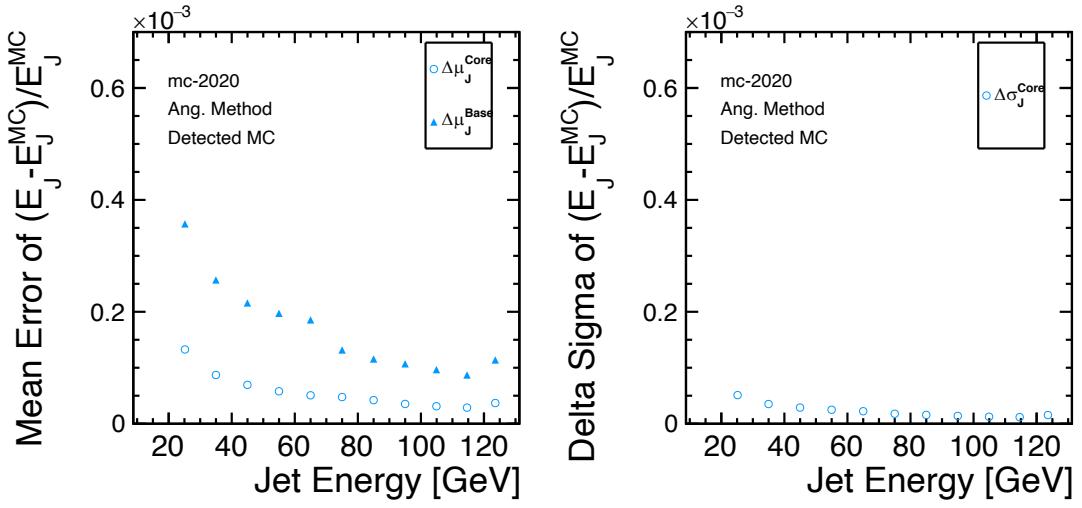
Raw distributions





Fitting parameters



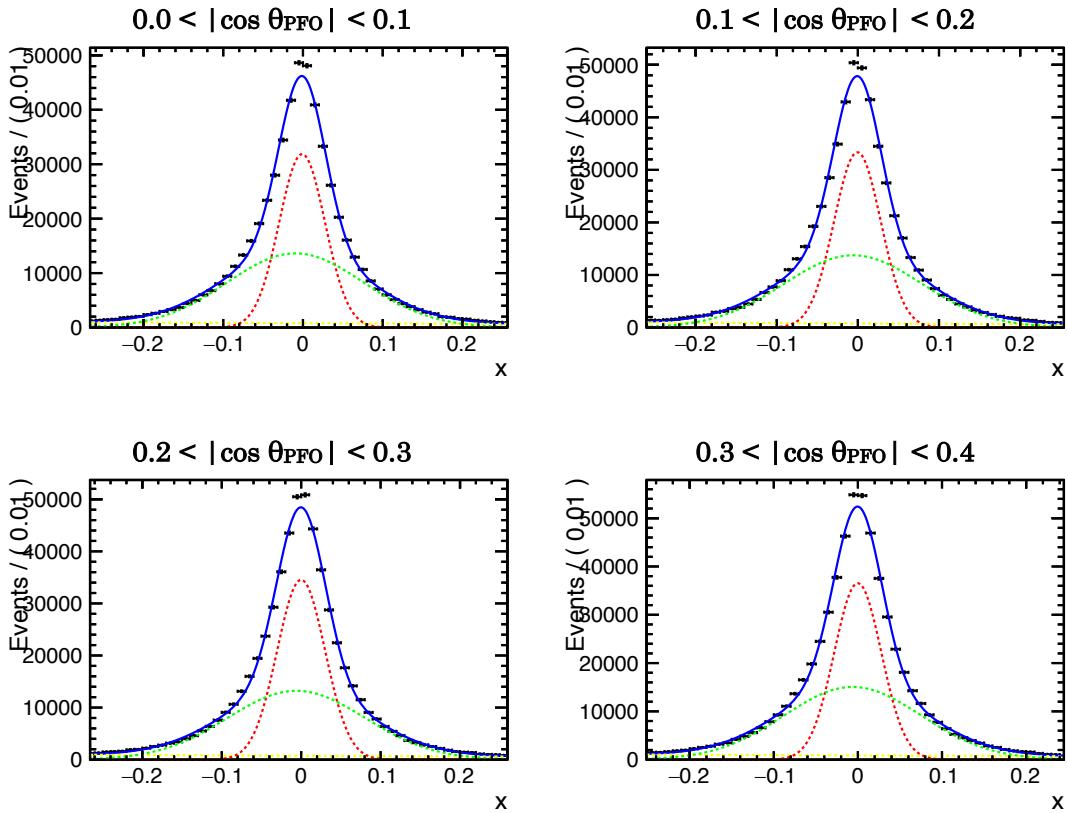


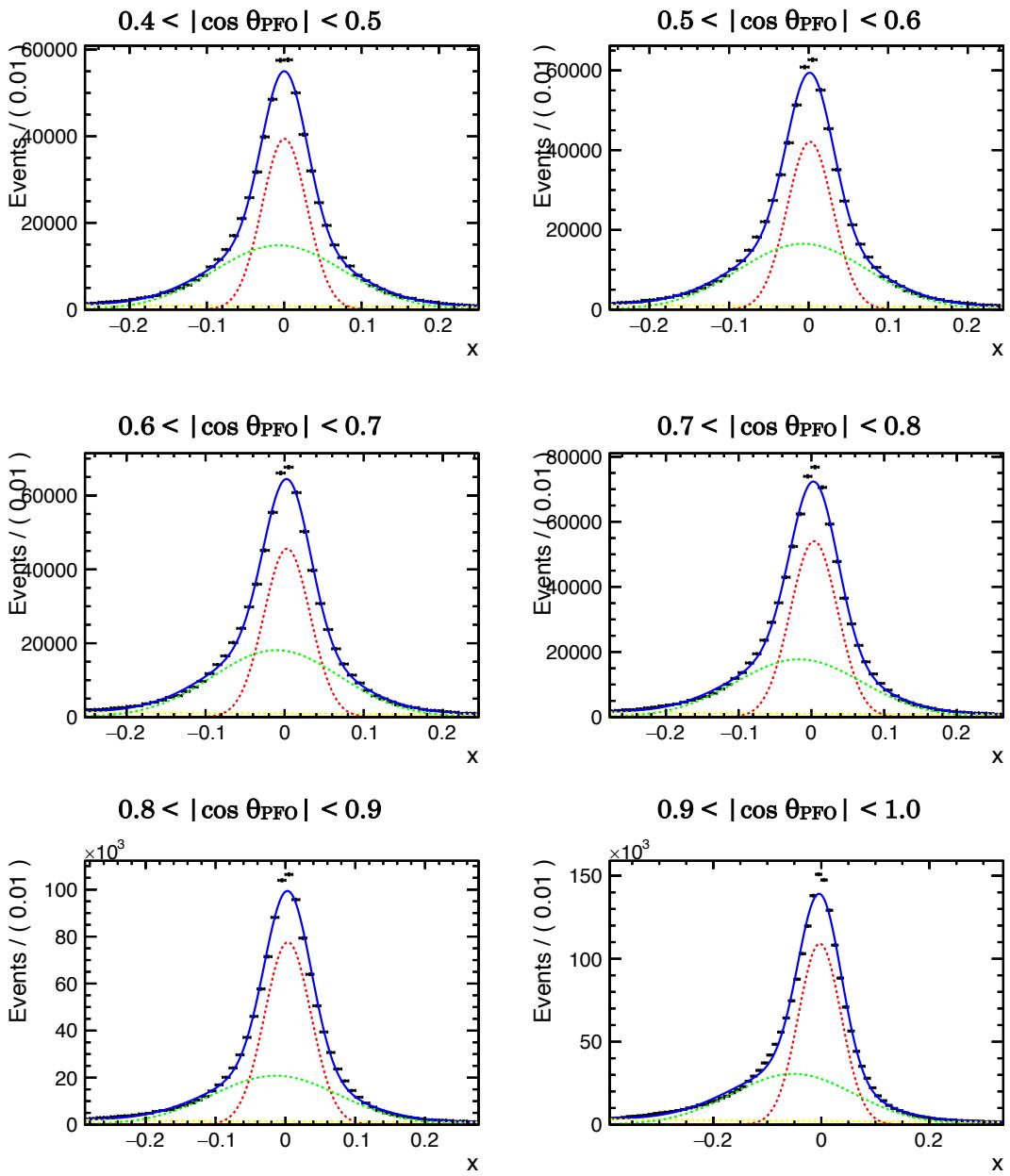
2.2. Theta dependence

2.2.1. Theta dependence using All-MC

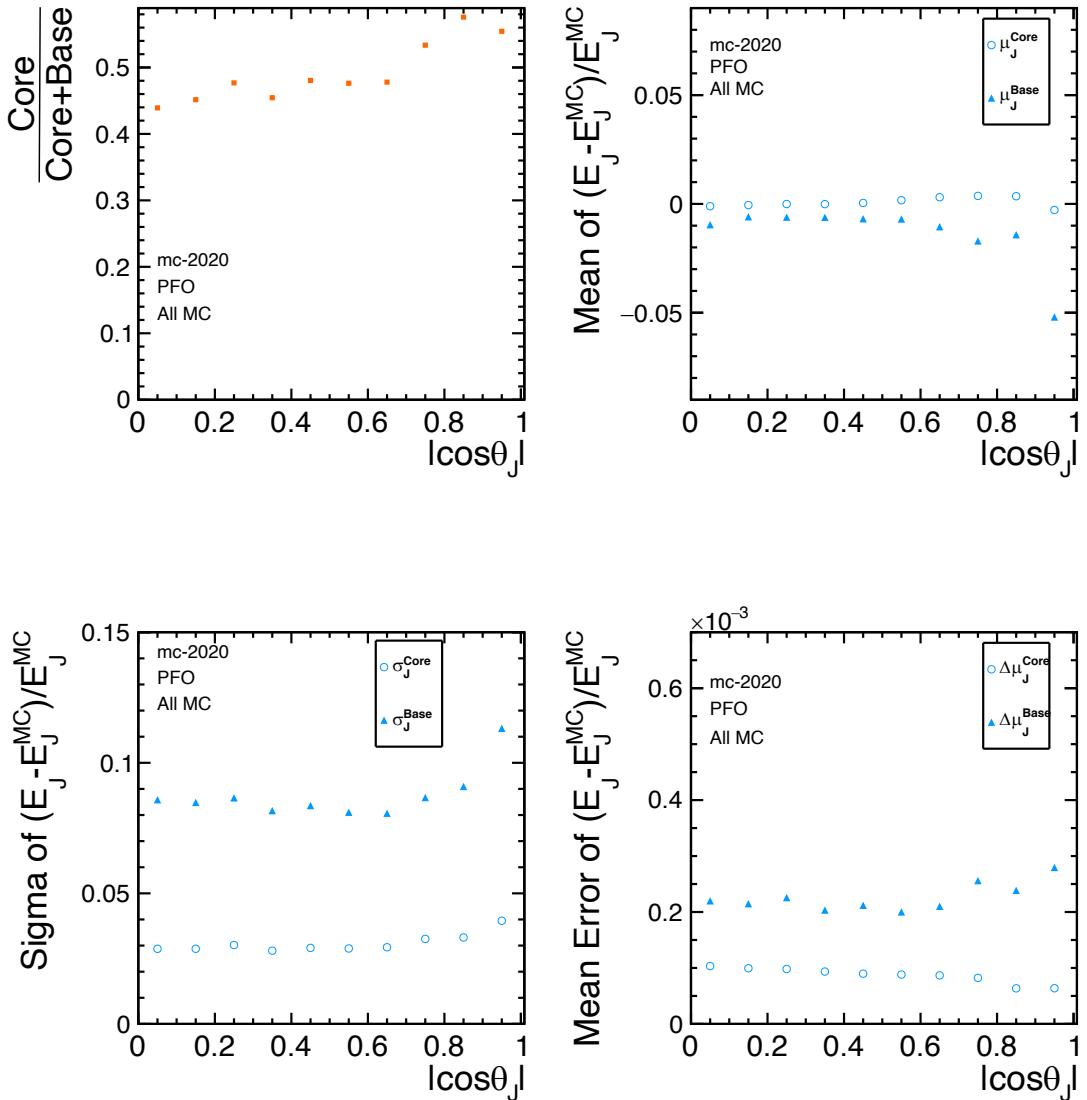
2.2.1.1. Theta dependence of PFO using All-MC

Raw distributions



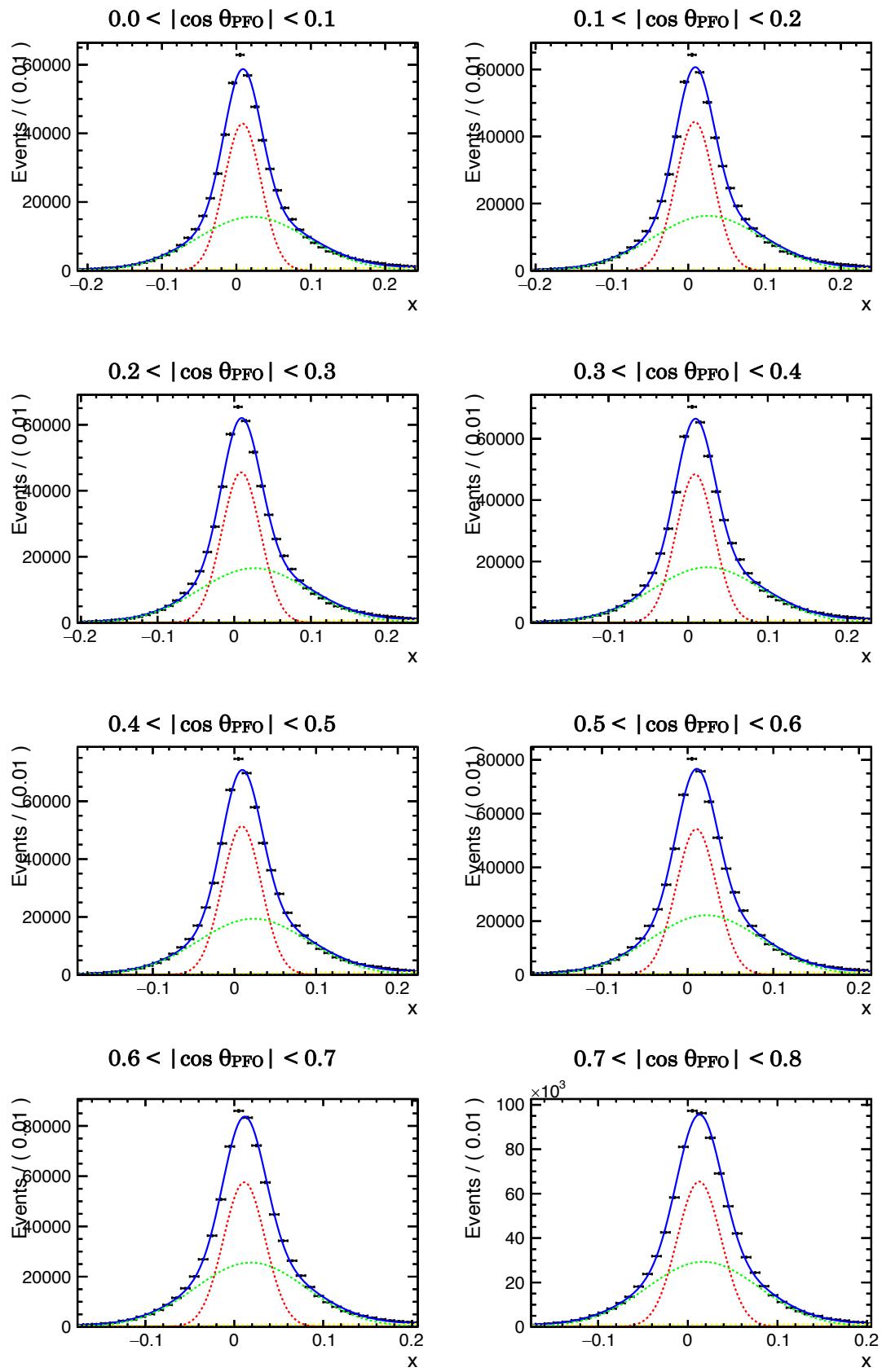


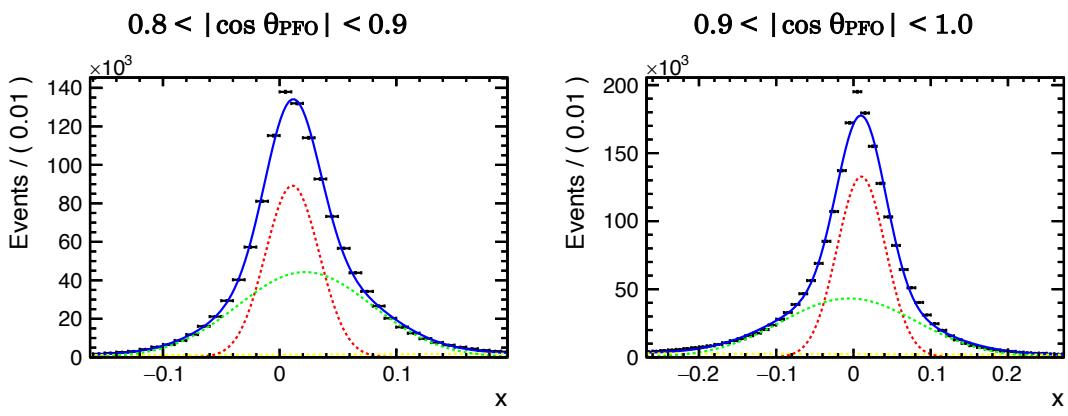
Fitting parameters



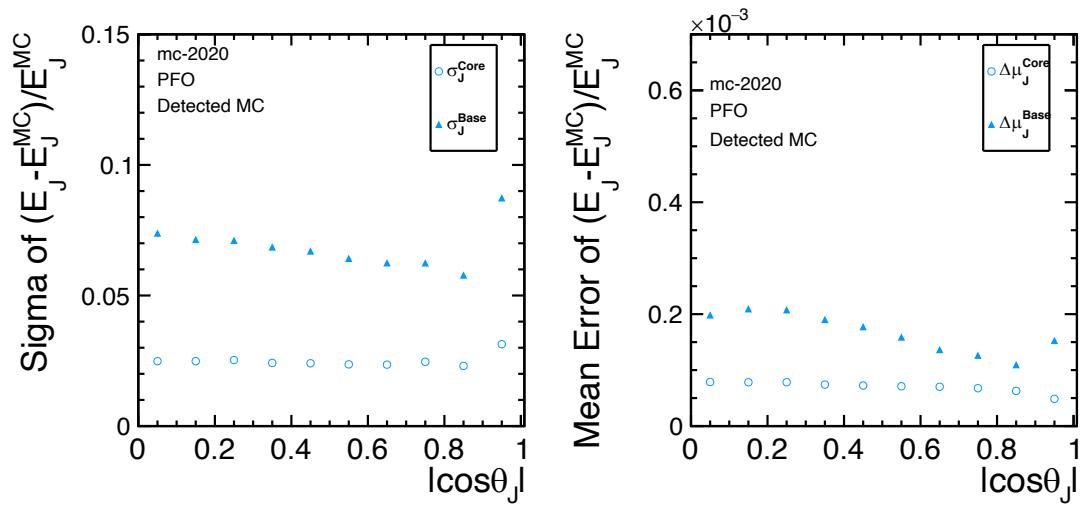
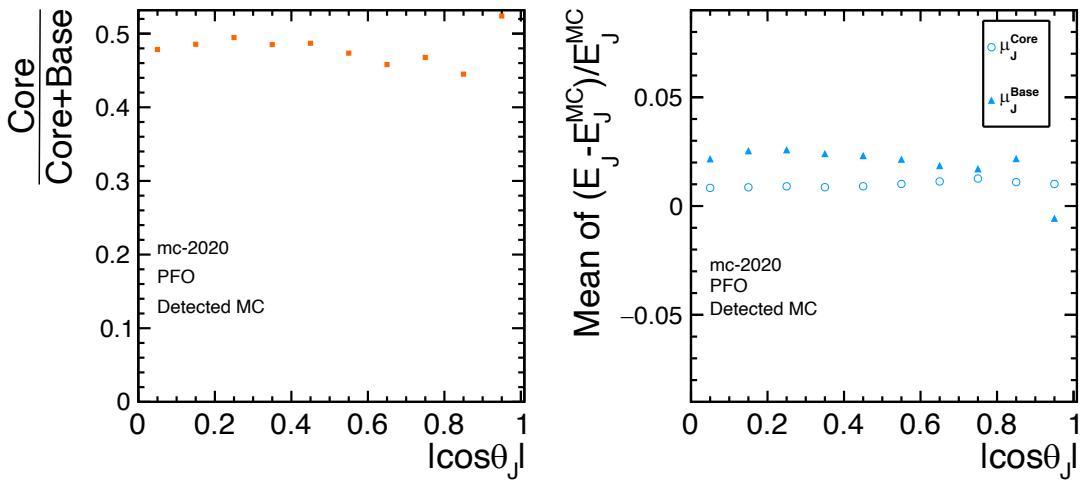
2.2.1.2. Theta dependence of Ang. Method using All-MC

Raw distributions





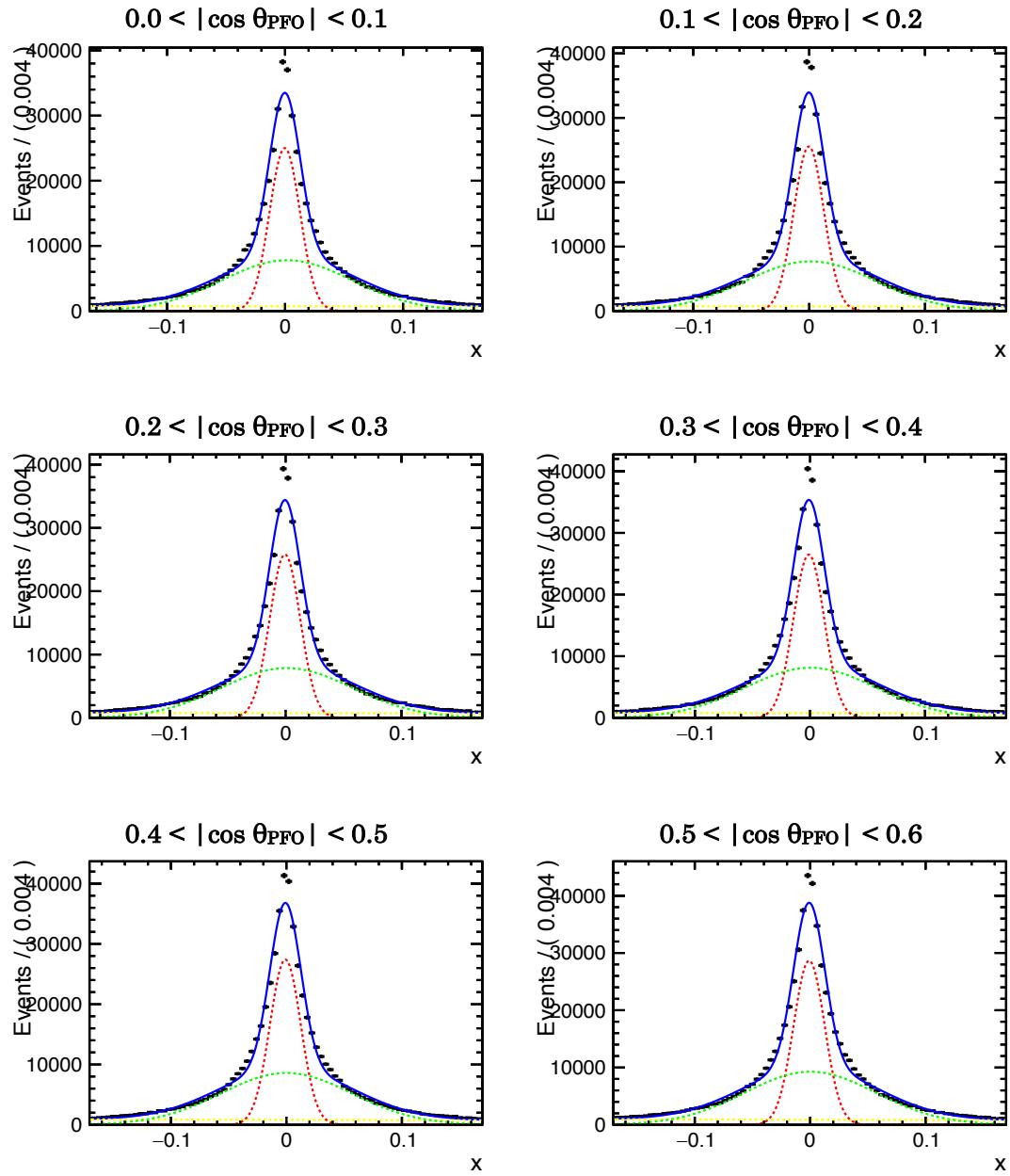
Fitting parameters

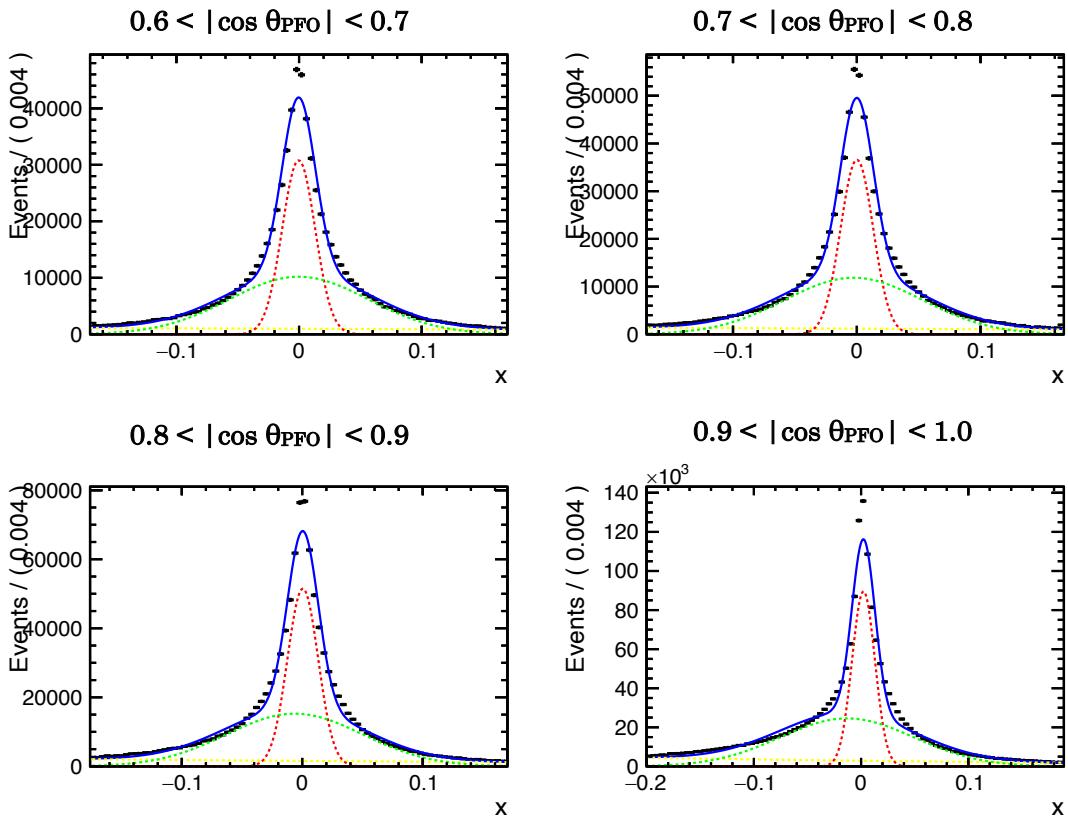


2.2.2. Theta dependence using Detected-MC

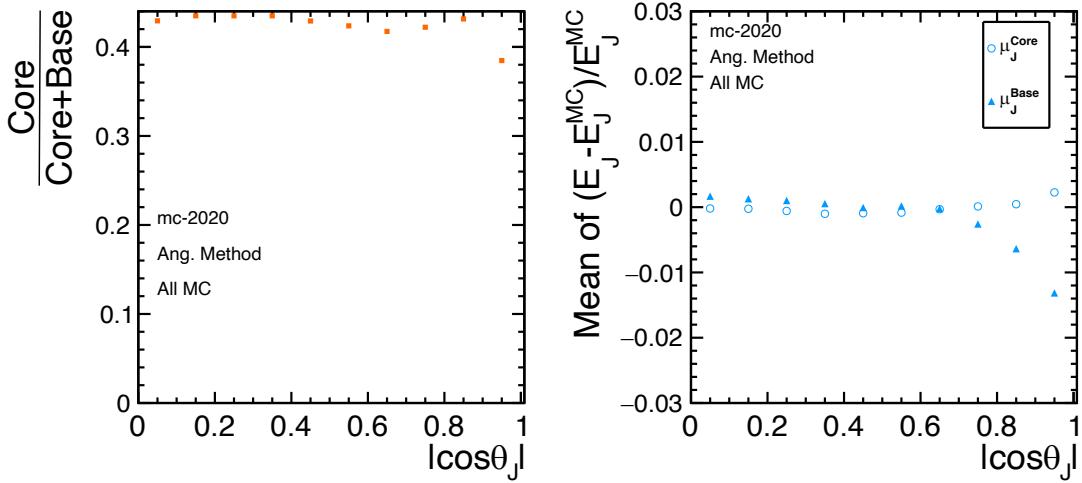
2.2.2.1. Theta dependence of PFO using Detected-MC

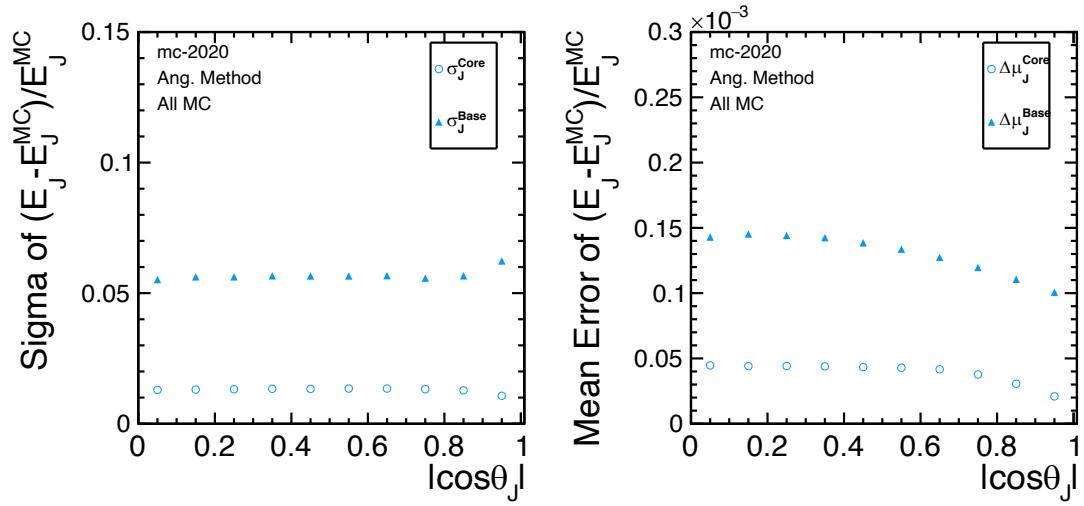
Raw distributions





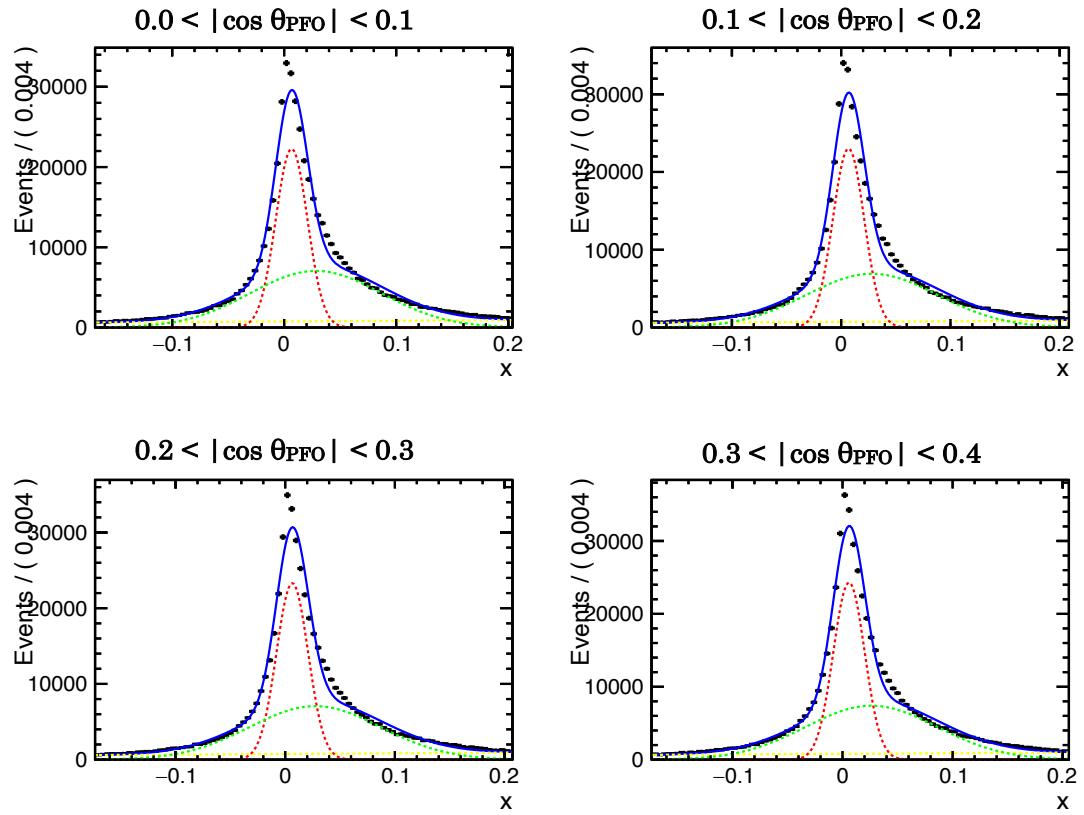
Fitting parameters

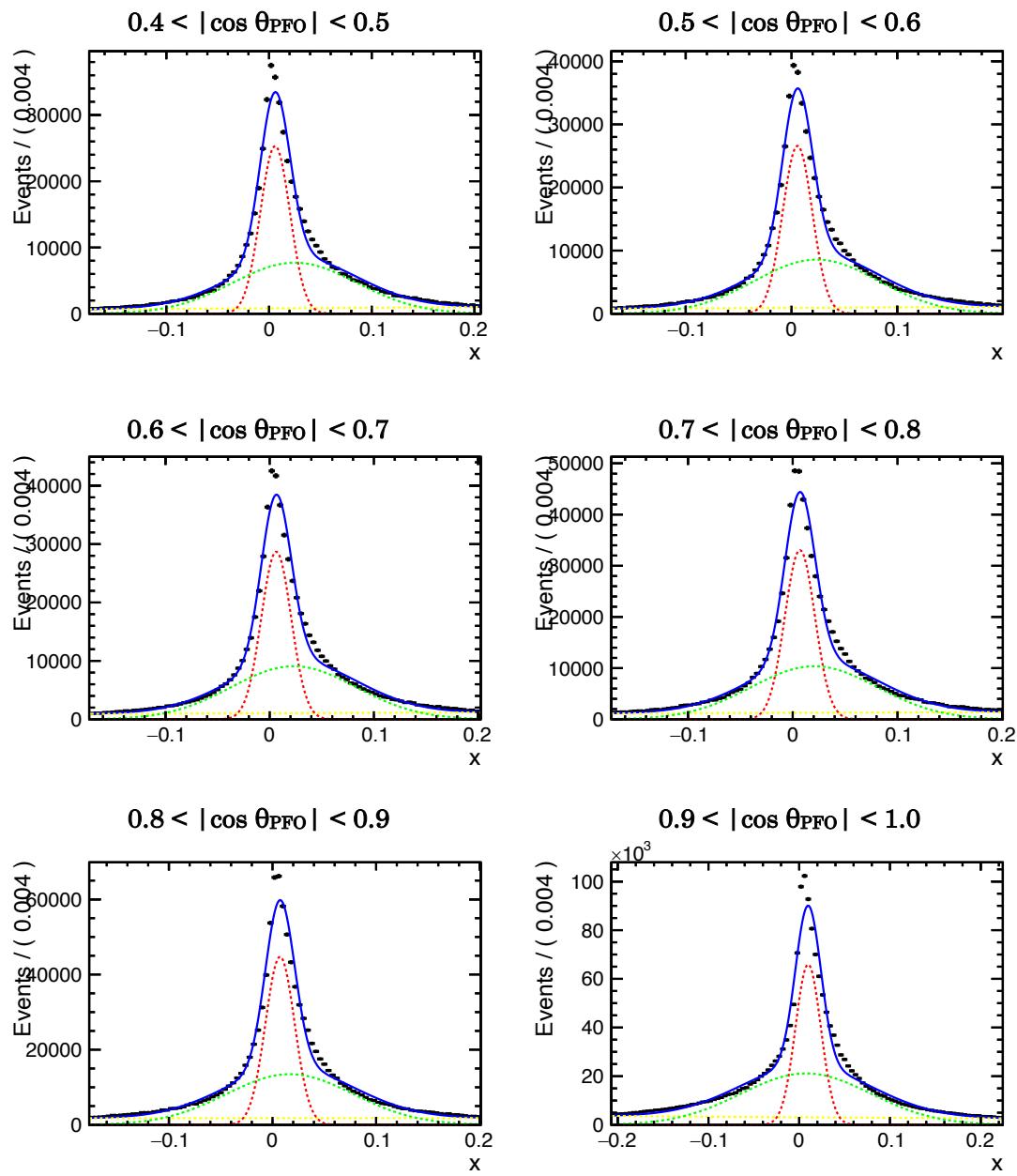




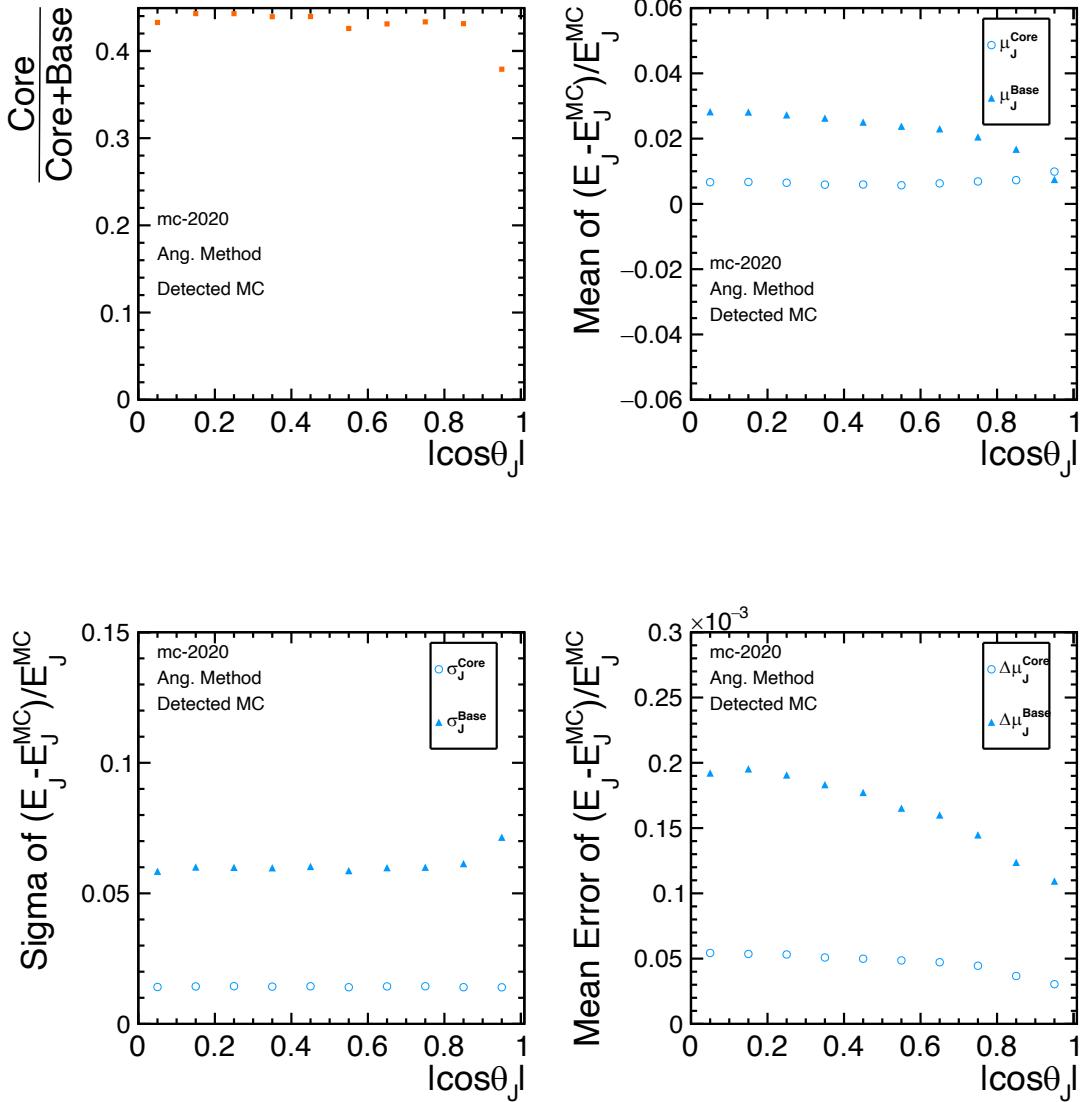
2.2.2.2. Theta dependence of Ang. Method using Detected-MC

Raw distributions





Fitting parameters

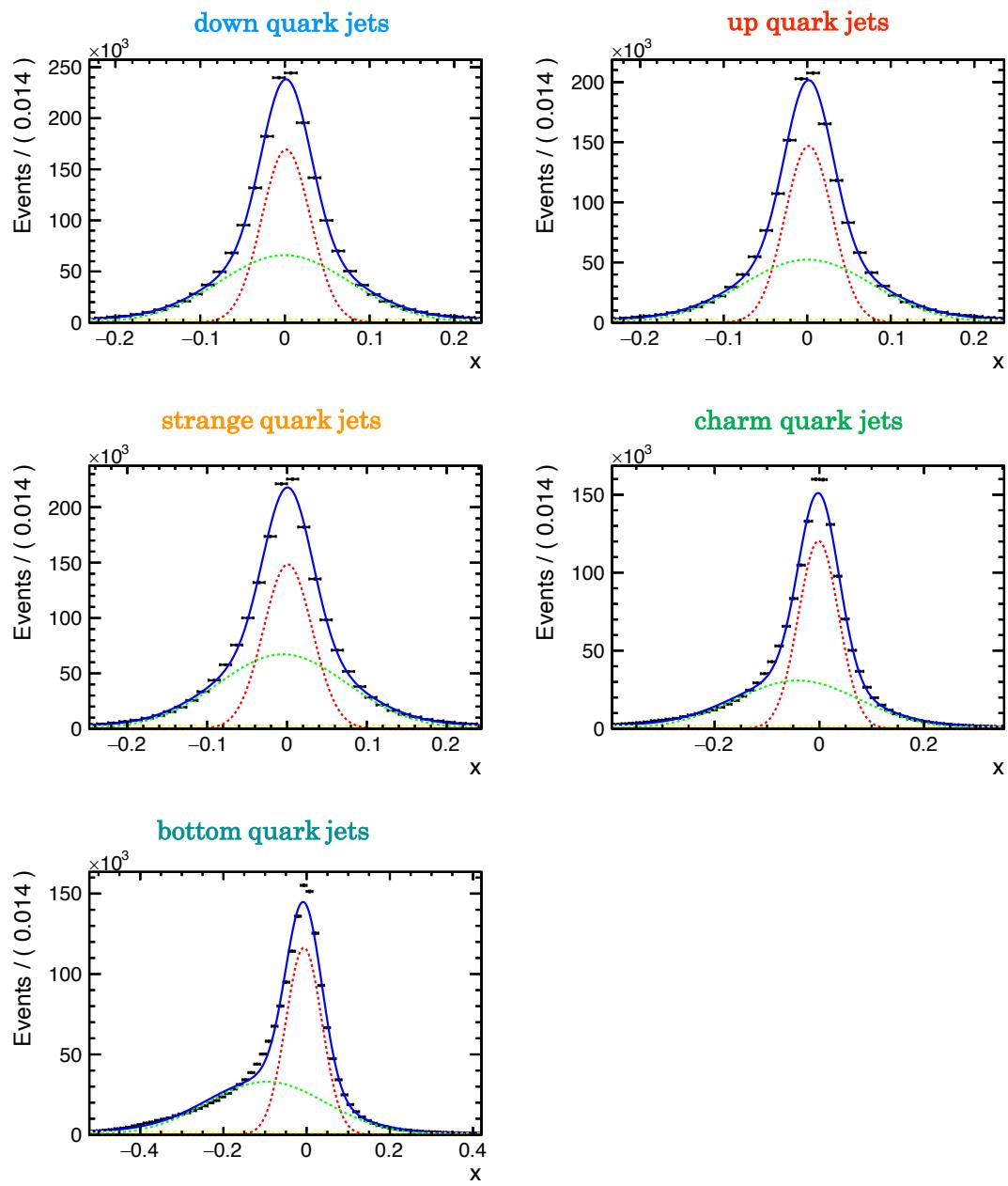


2.3. Flavor dependence

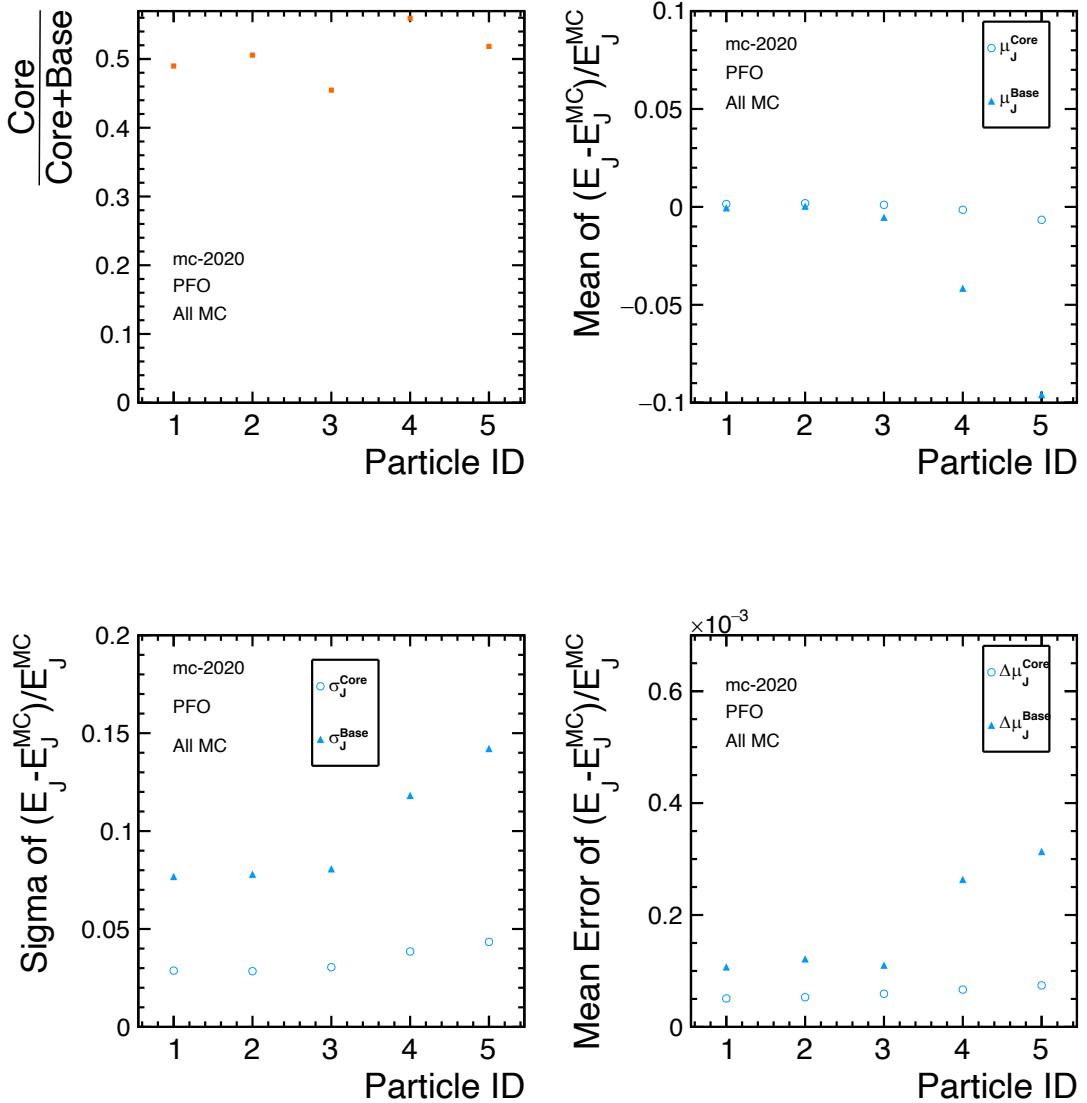
2.3.1. Flavor dependence using All-MC

2.3.1.1. Flavor dependence of PFO using All-MC

Raw distributions

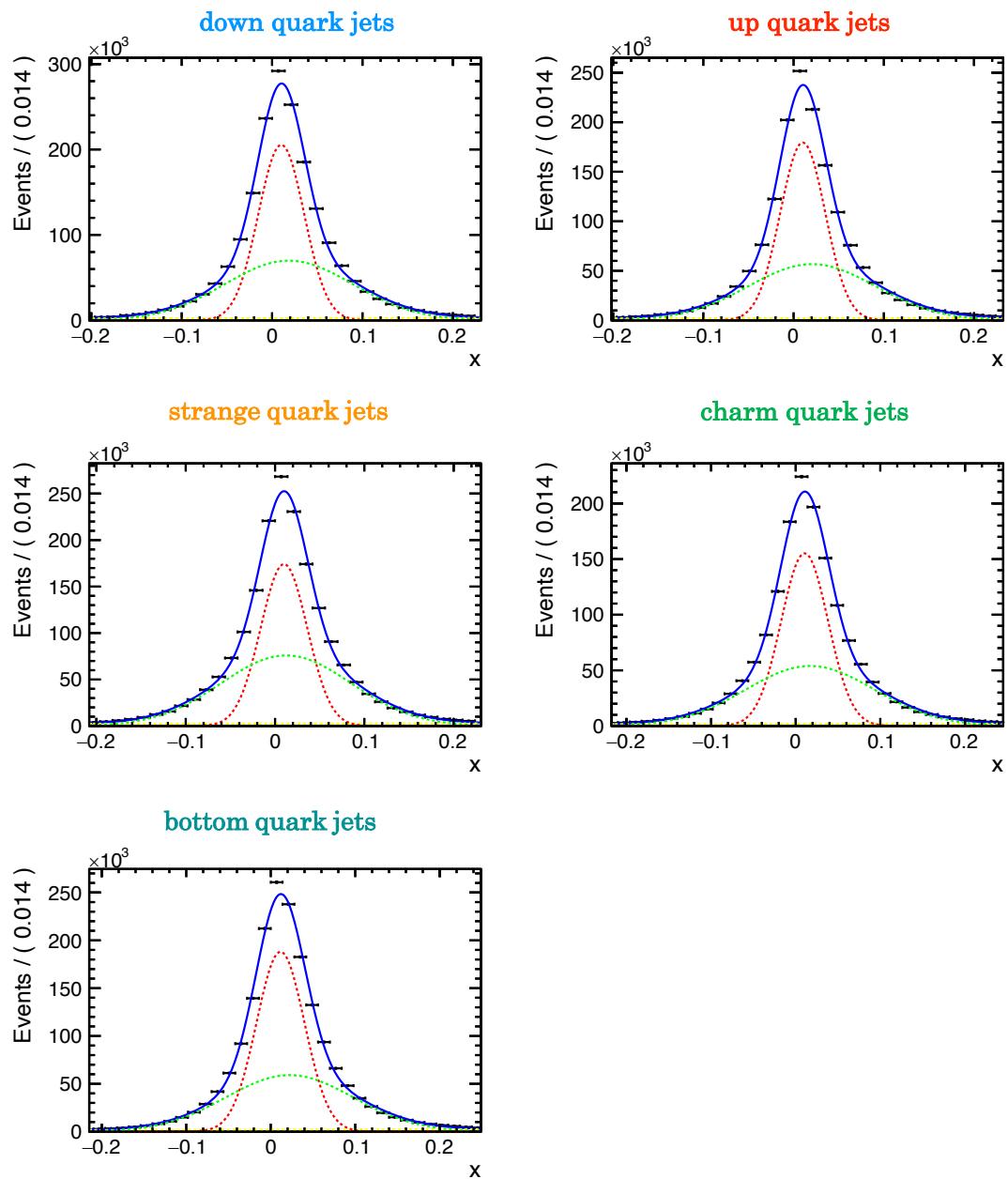


Fitting parameters

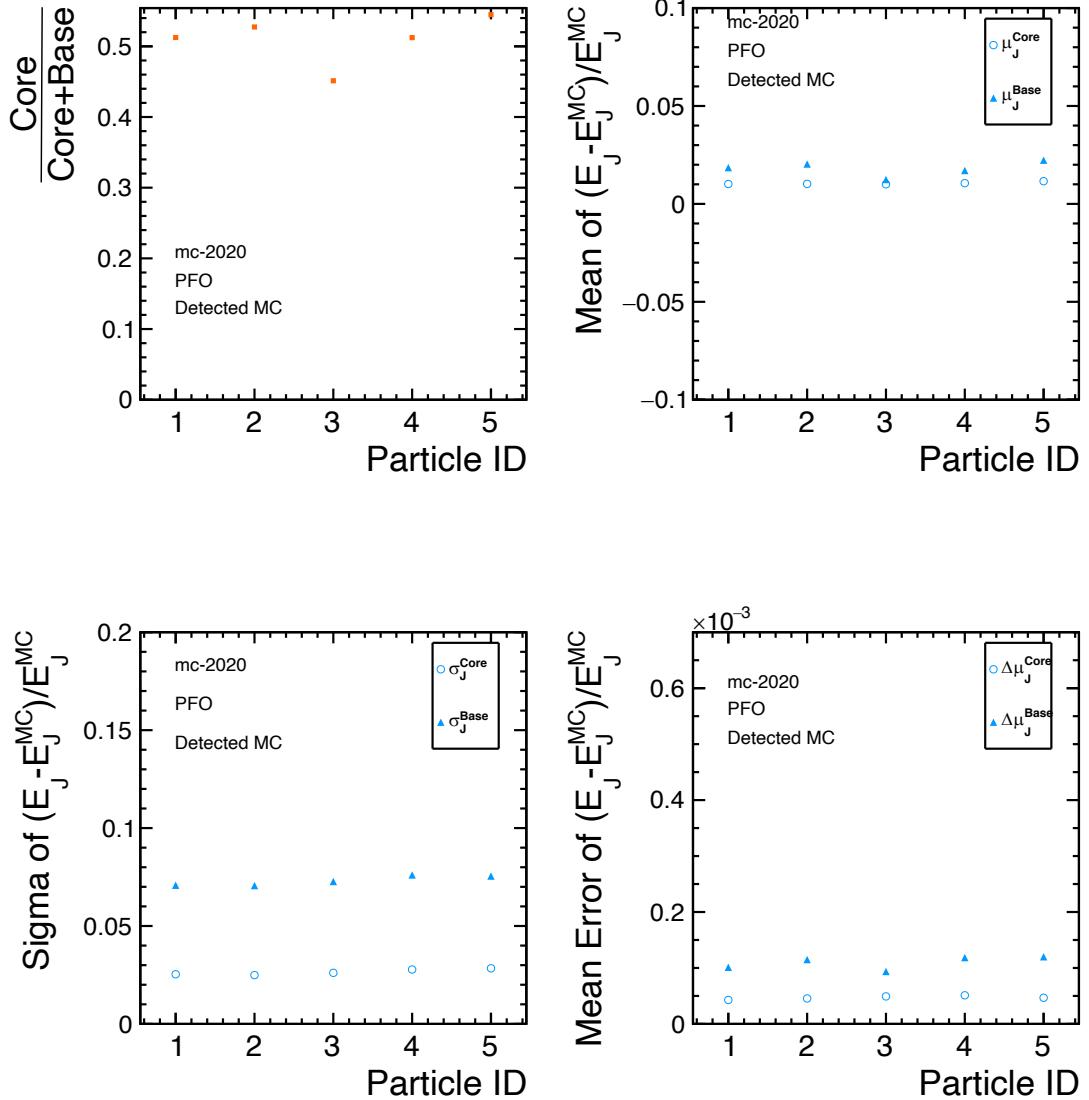


2.3.1.2. Flavor dependence of Ang. Method using All-MC

Raw distributions



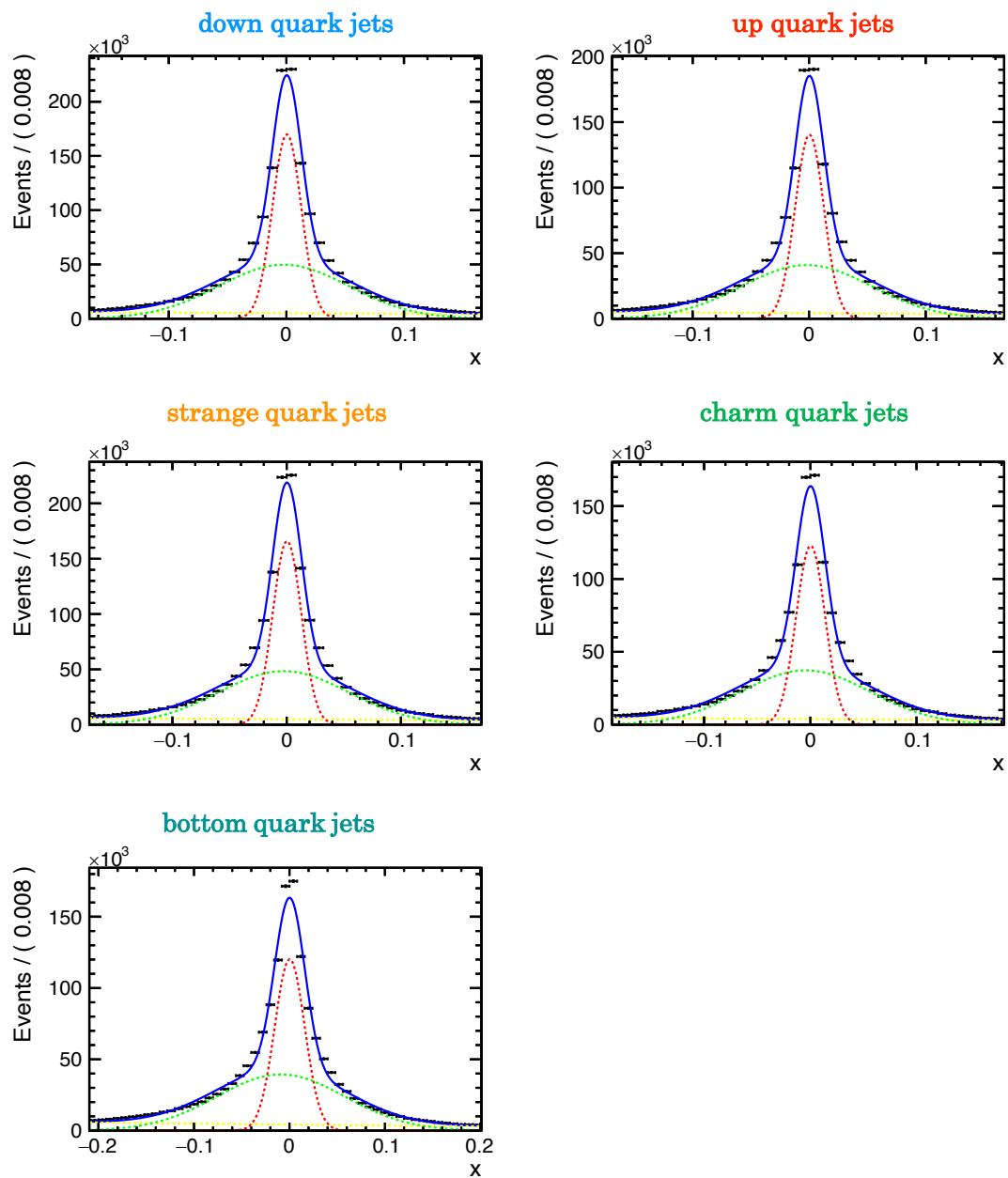
Fitting parameters



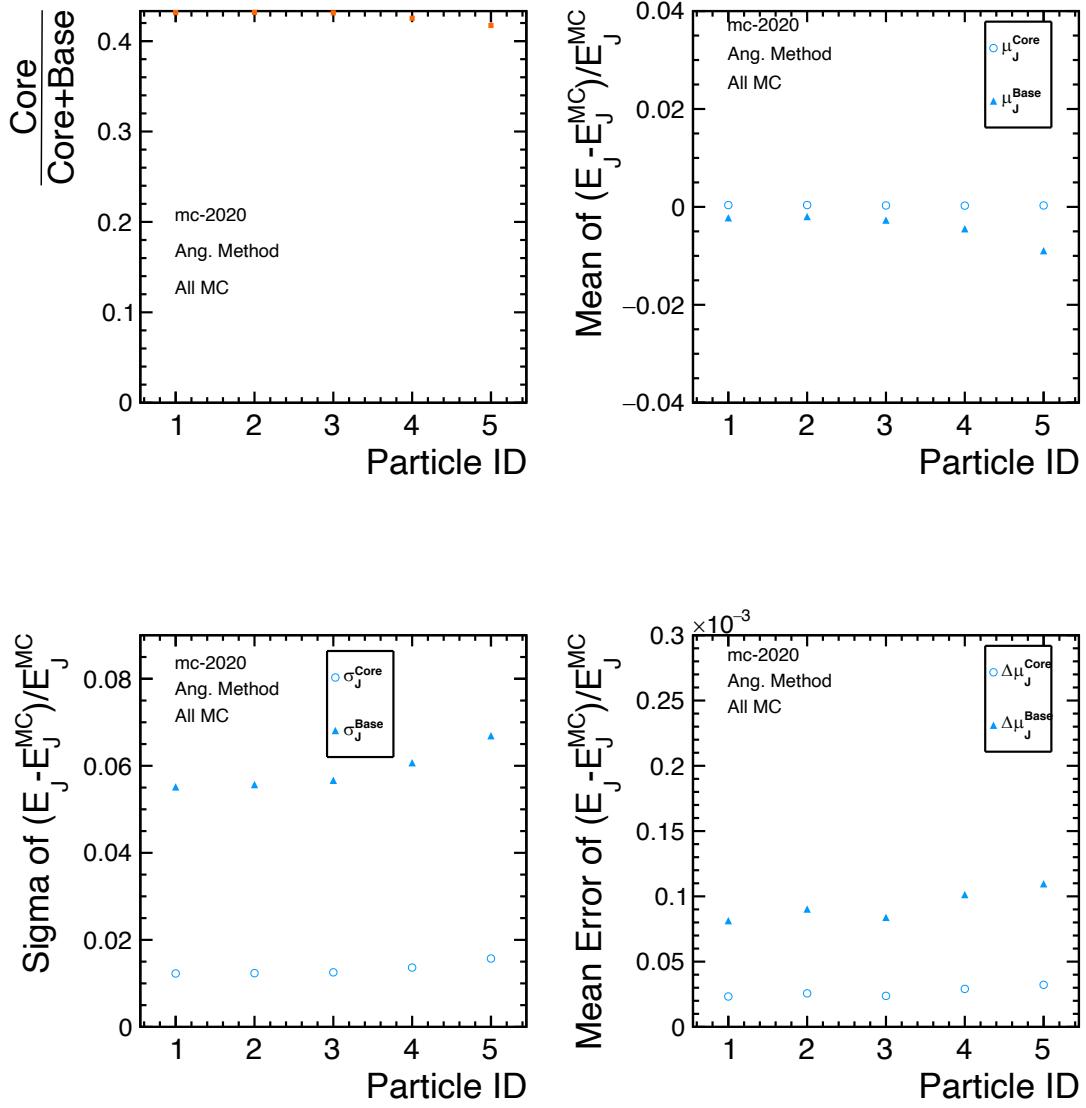
2.3.2. Flavor dependence using Detected-MC

2.3.2.1. Flavor dependence of PFO using Detected-MC

Raw distributions

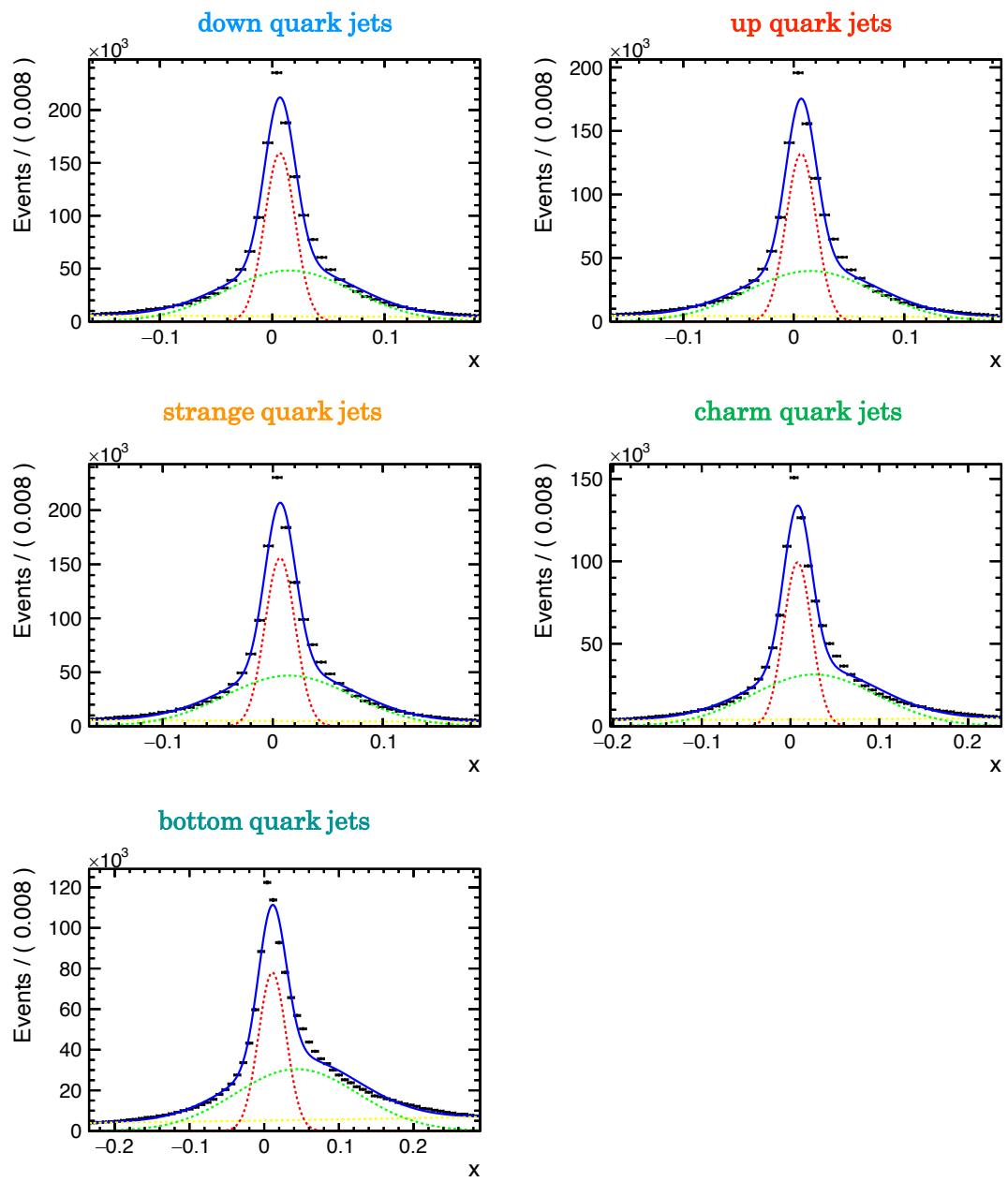


Fitting parameters

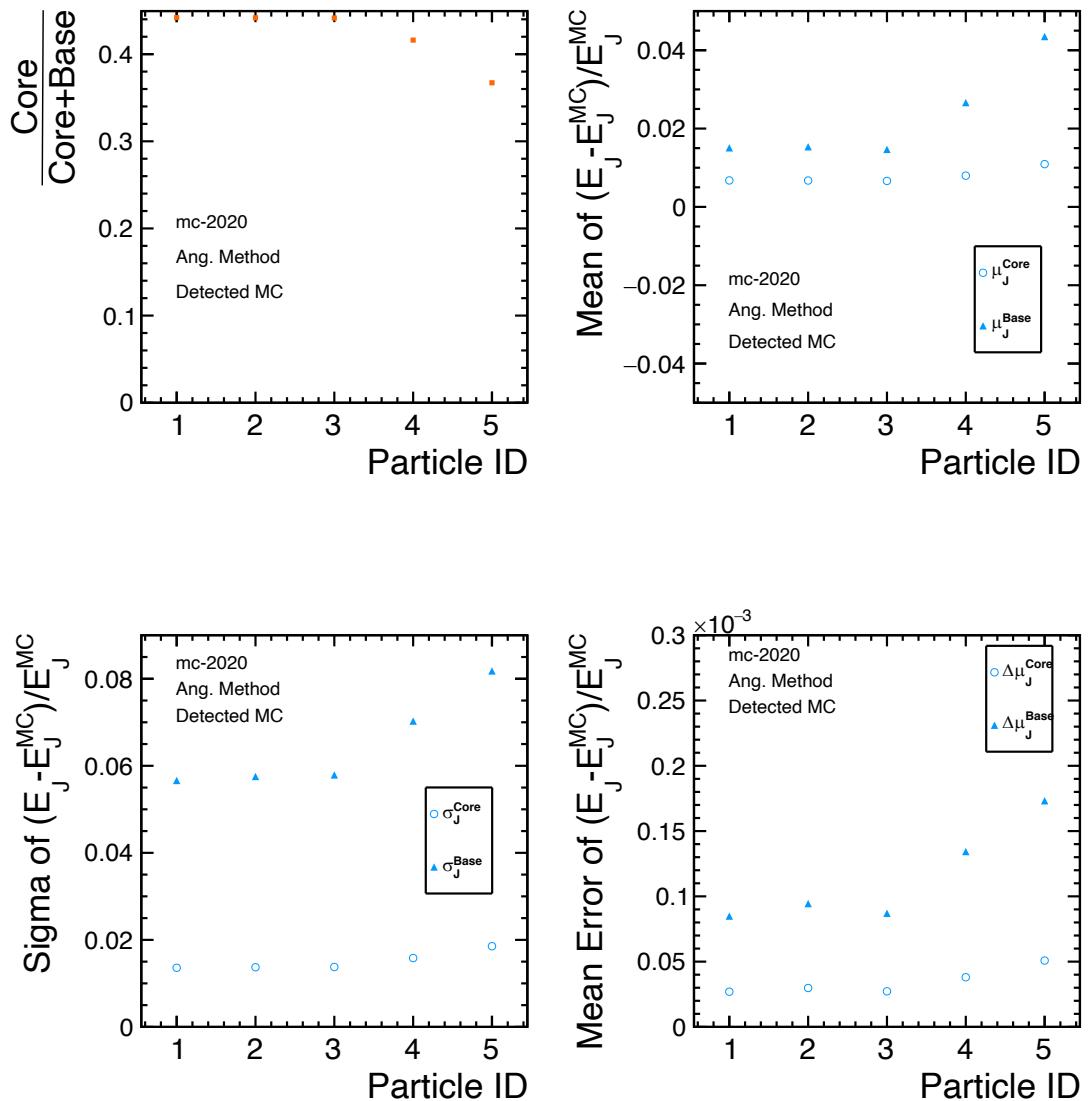


2.3.2.2. Flavor dependence of Ang. Method using Detected-MC

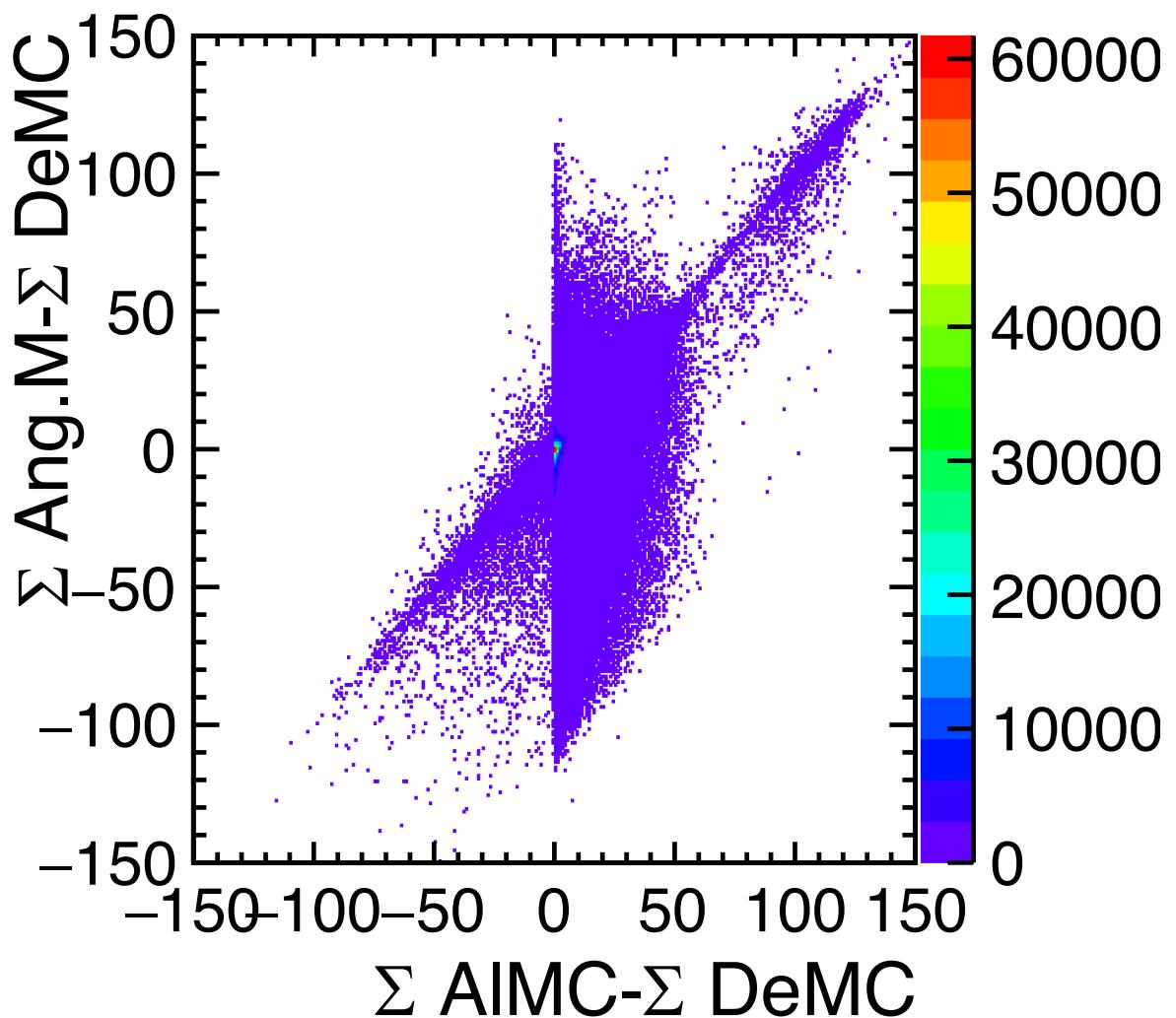
Raw distributions



Fitting parameters



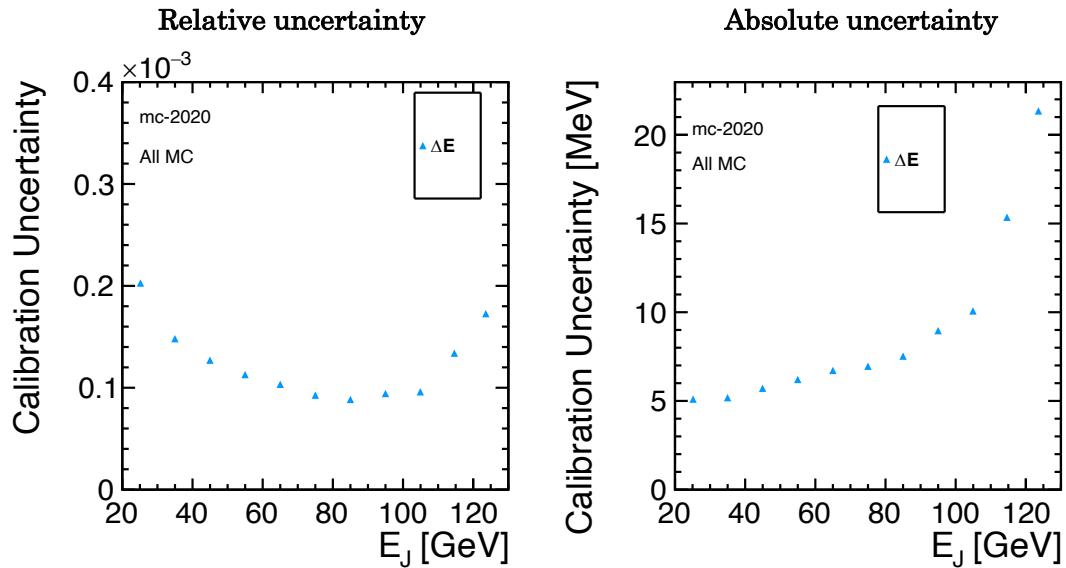
3. Missing Particles Recovery



4. Calibration Uncertainty

4.1. Calibration uncertainty using All-MC

Jet energy calibration uncertainty



4.2. Calibration uncertainty using Detected-MC

Jet energy calibration uncertainty

