

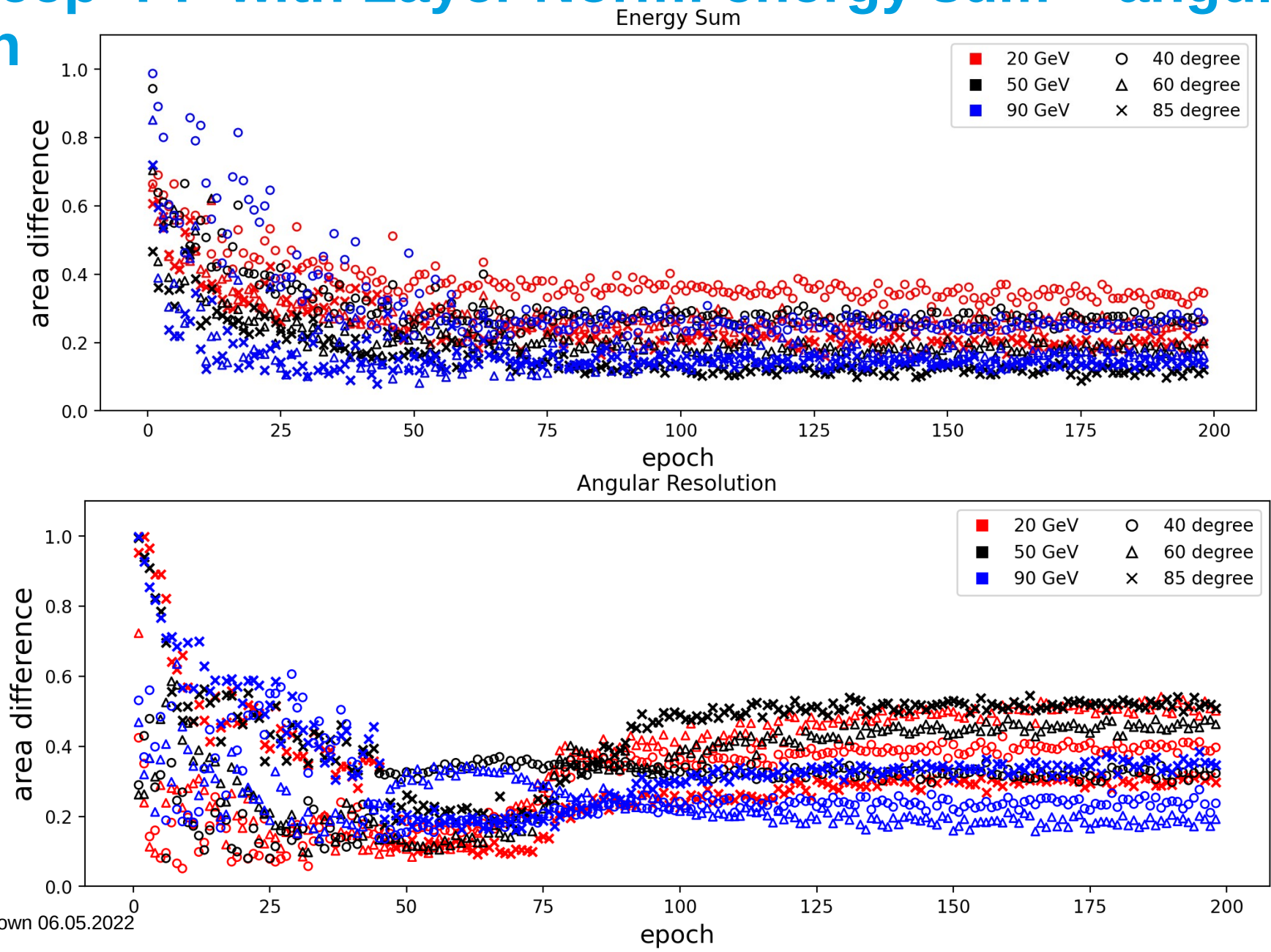
Angle and Energy Conditioning Results after PP

06.05.2022

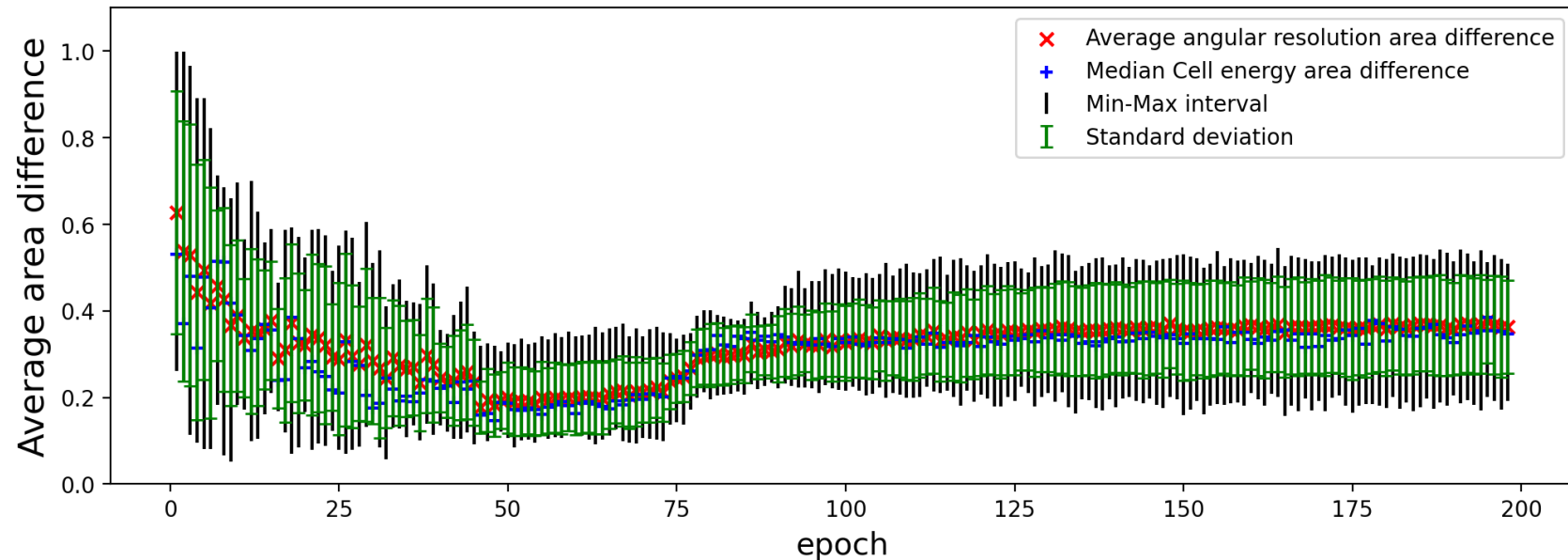
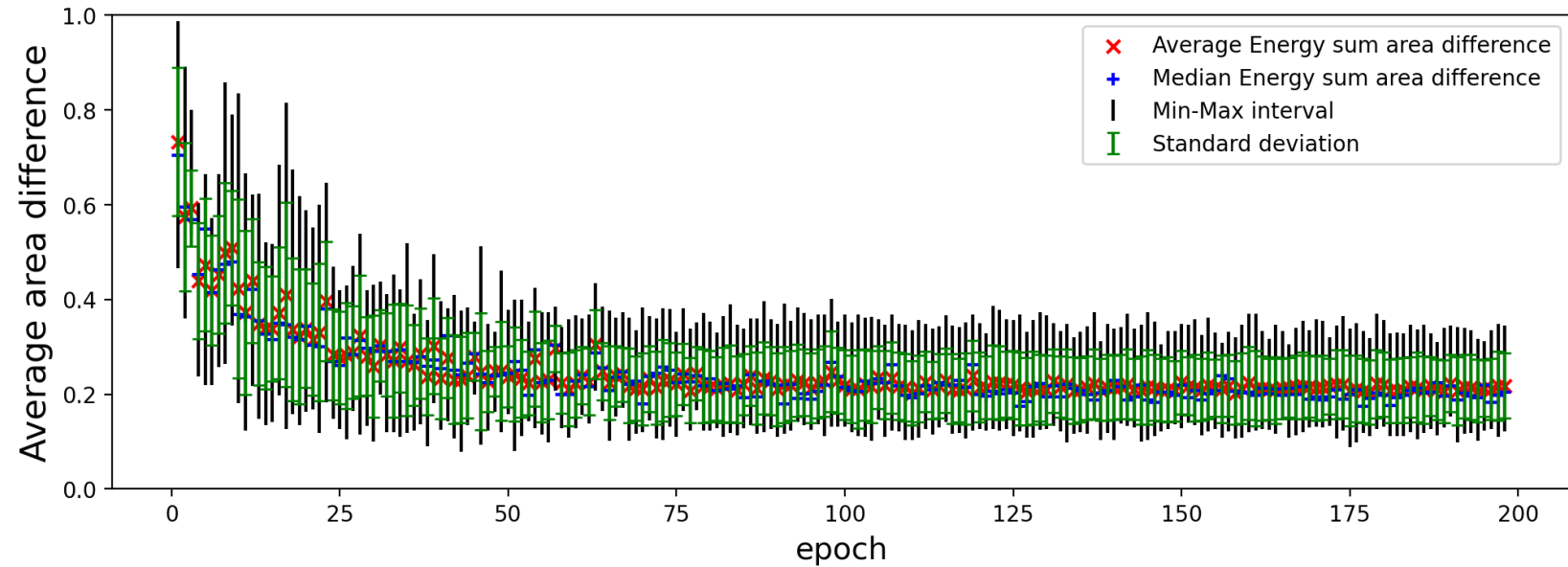
BIBAE E and A cond.: PP

- Results after PP are in
- Performed PP from epoch 45 of the training with E+A with scaled labels
- Here I will discuss two PP scenarios:
 - Layer Norm
 - No Normalisation layer
- Using 6 convolutional layers in PP model

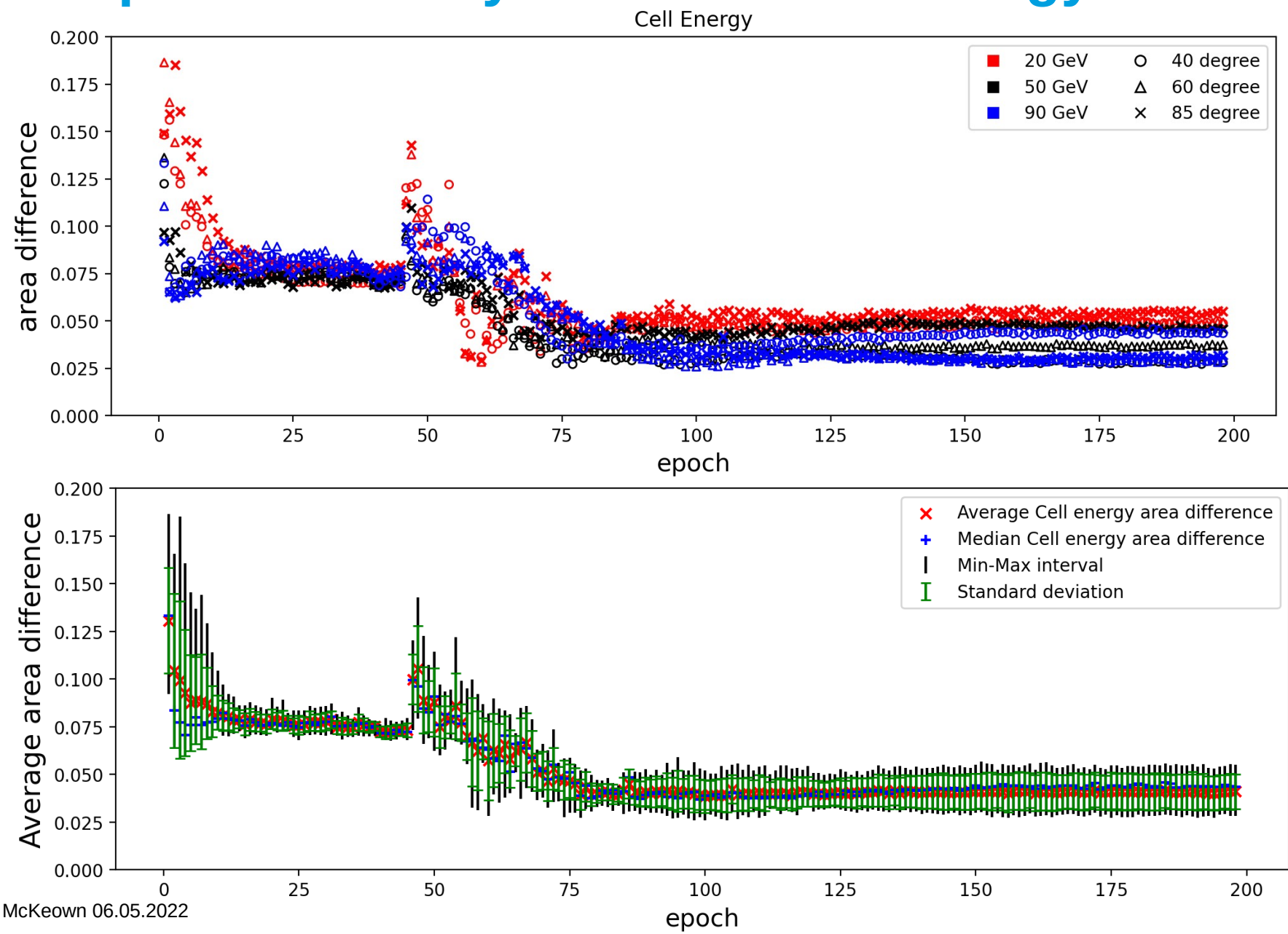
Fidelity sweep- PP with Layer Norm: energy sum + angular distribution



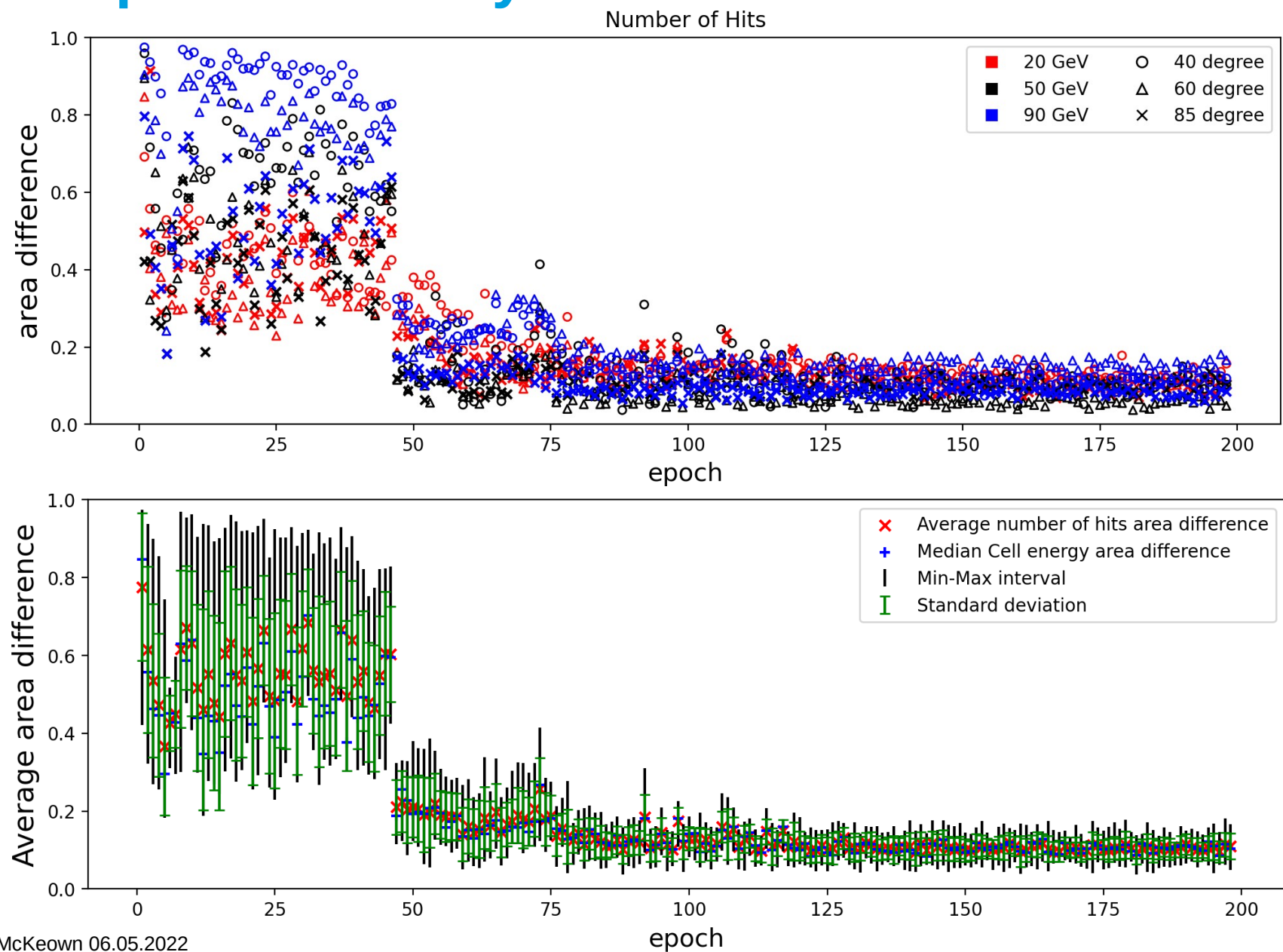
Fidelity sweep- PP with Layer Norm: energy sum + angular distribution



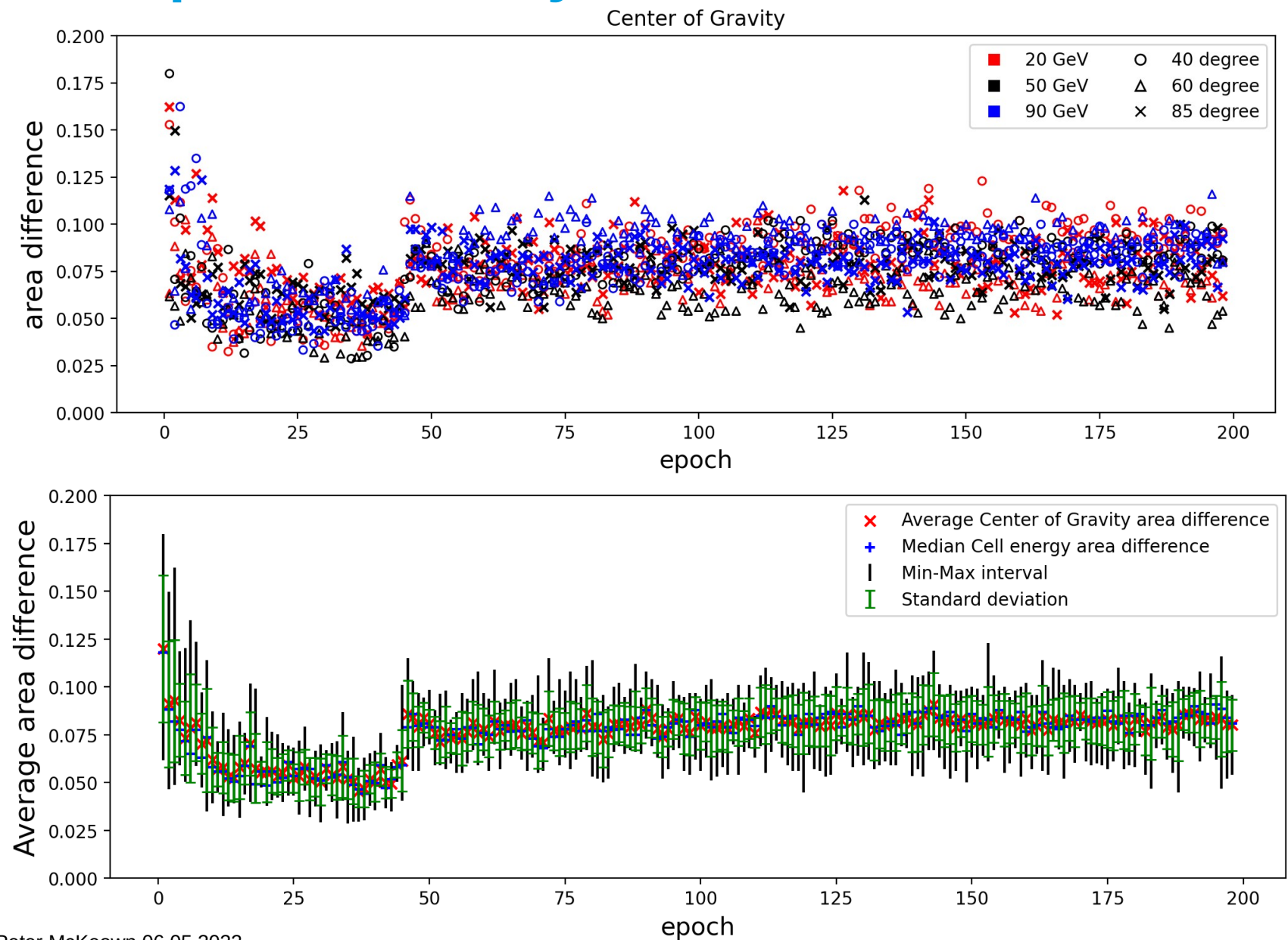
Fidelity sweep- PP with Layer Norm: Cell Energy



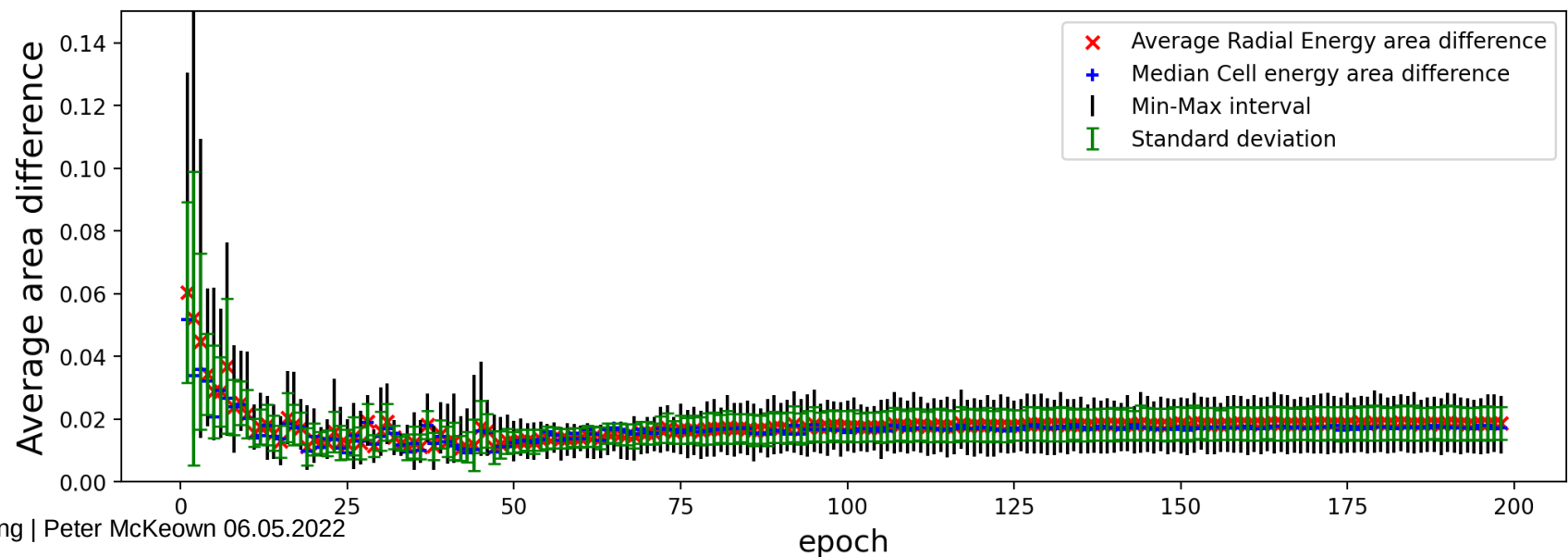
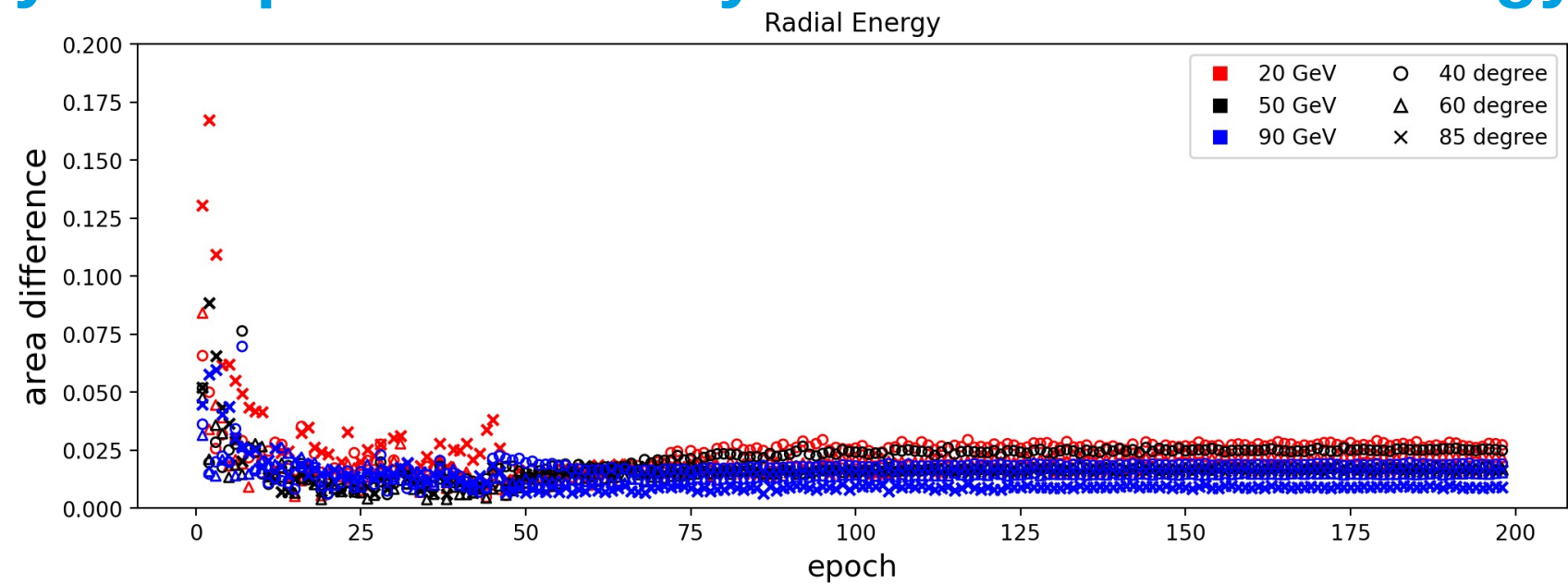
Fidelity sweep- PP with Layer Norm: Number of Hits



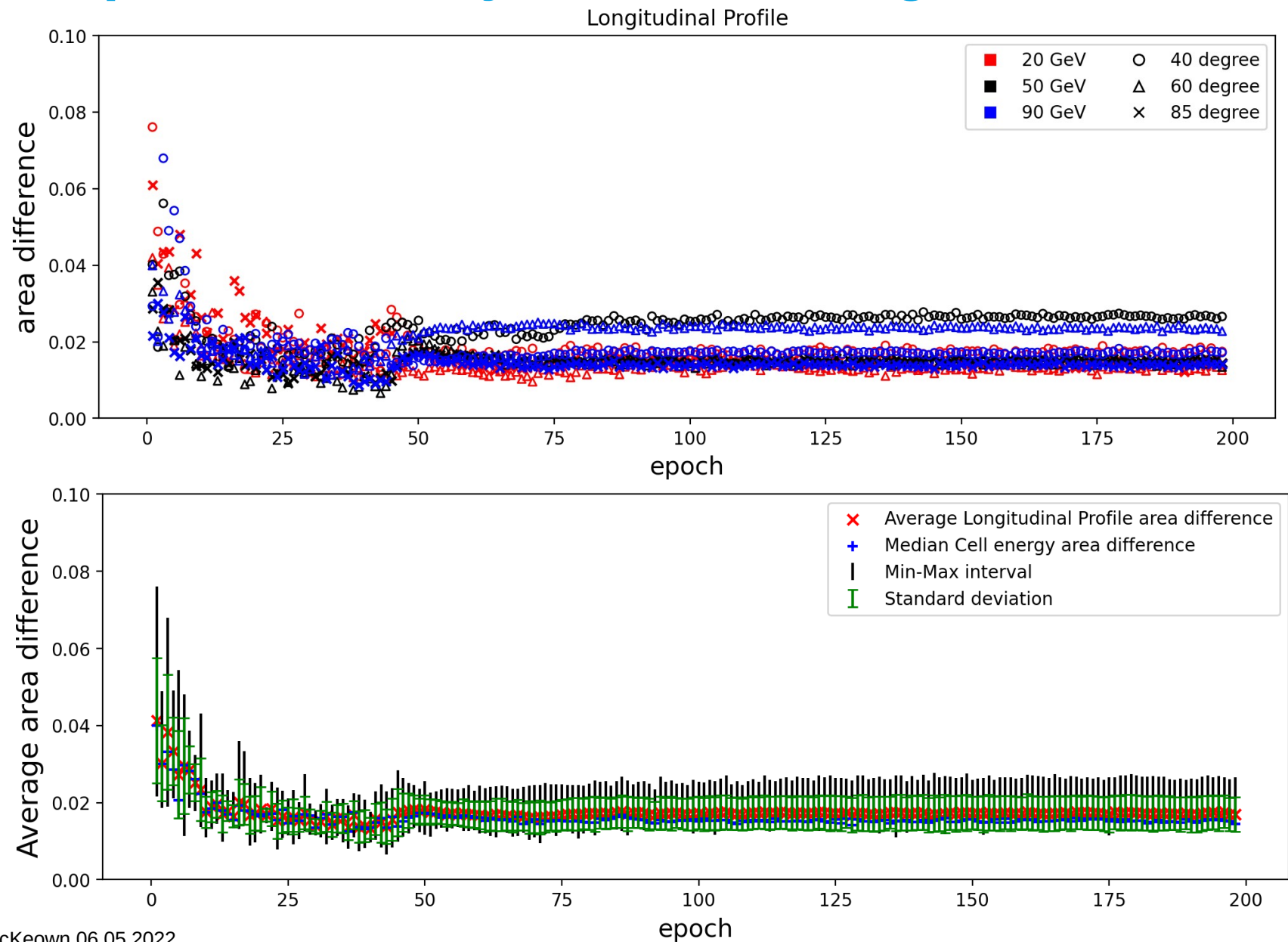
Fidelity sweep- PP with Layer Norm: Center of Gravity



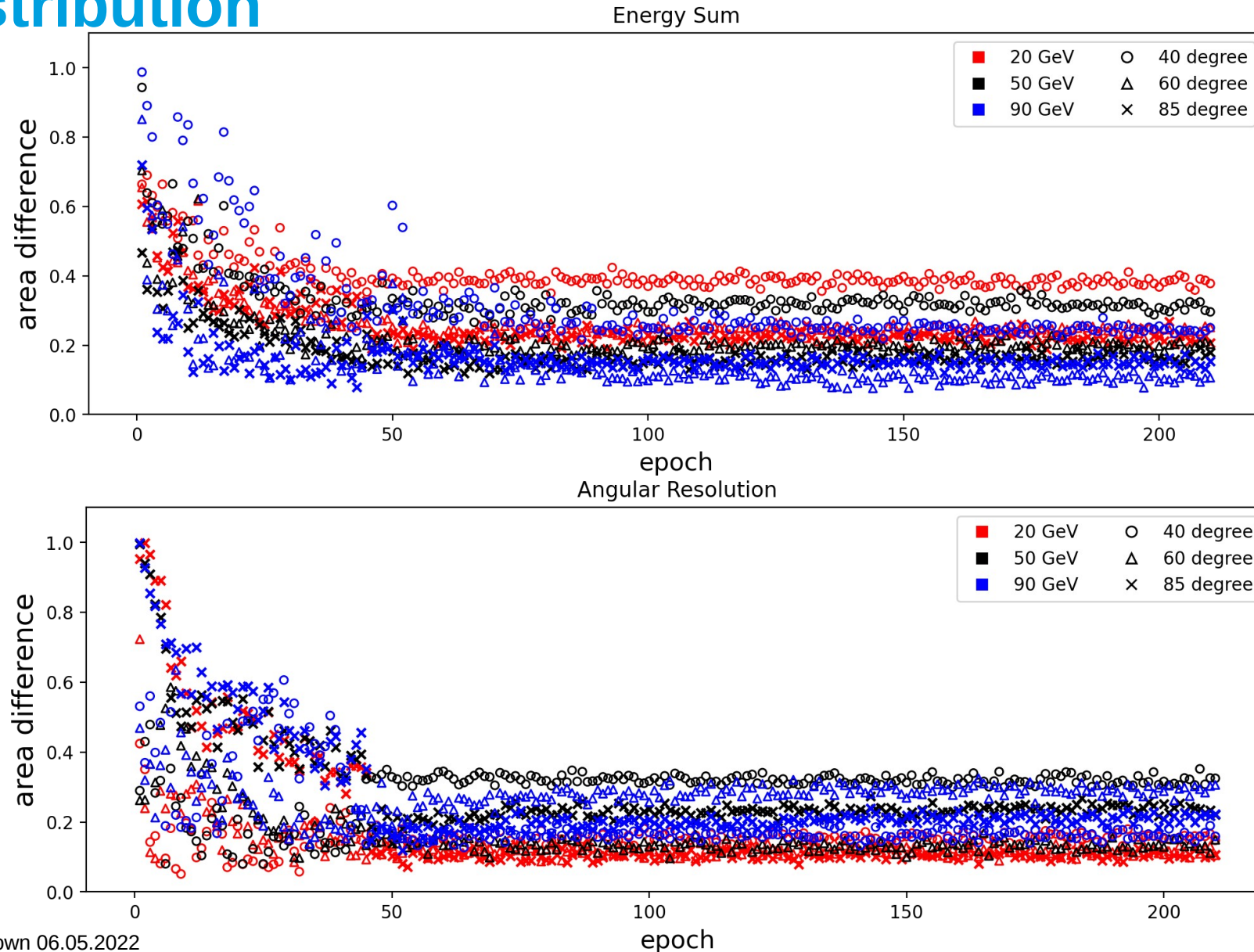
Fidelity sweep- PP with Layer Norm: Radial Energy



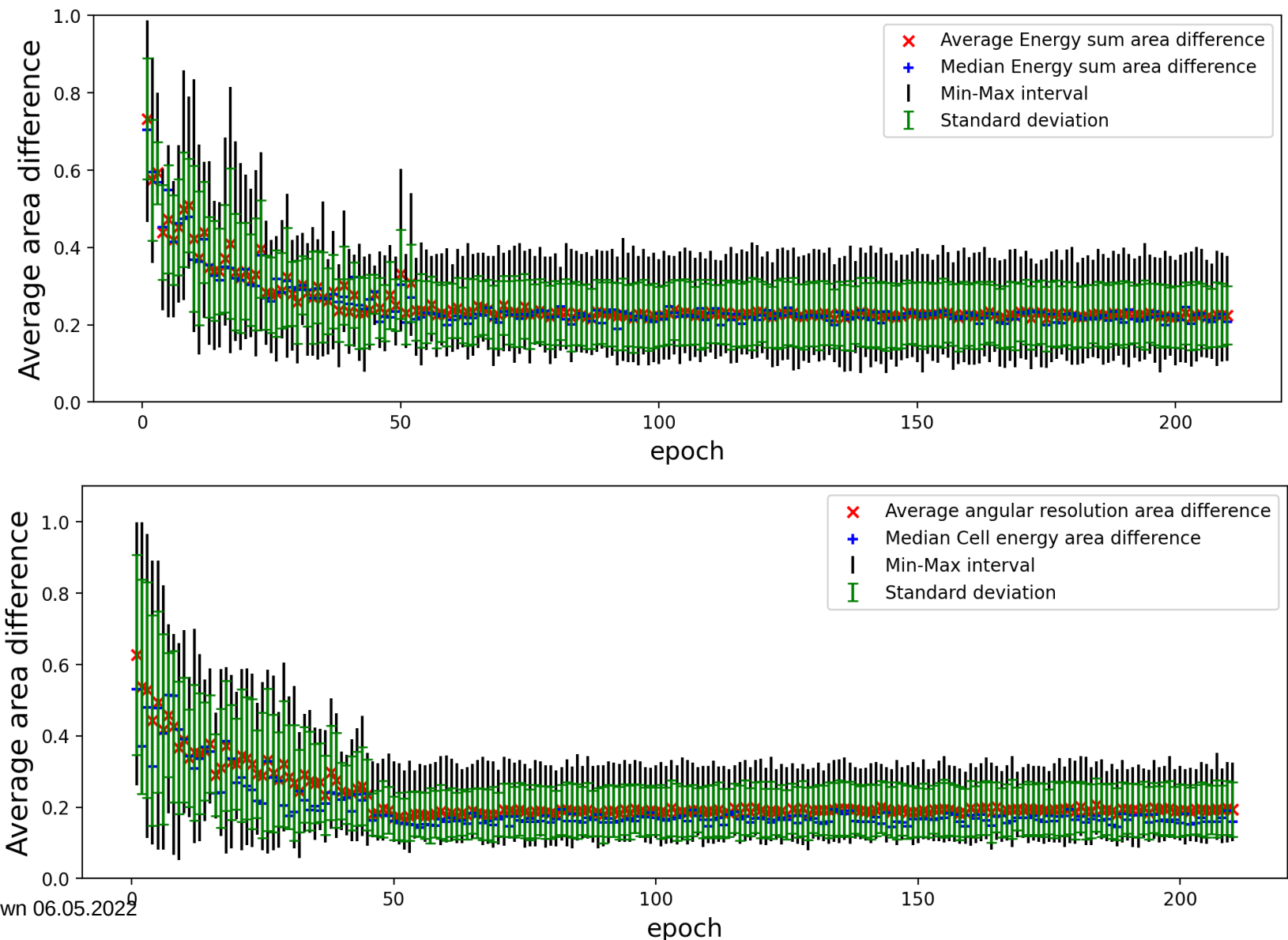
Fidelity sweep- PP with Layer Norm: Longitudinal Profile



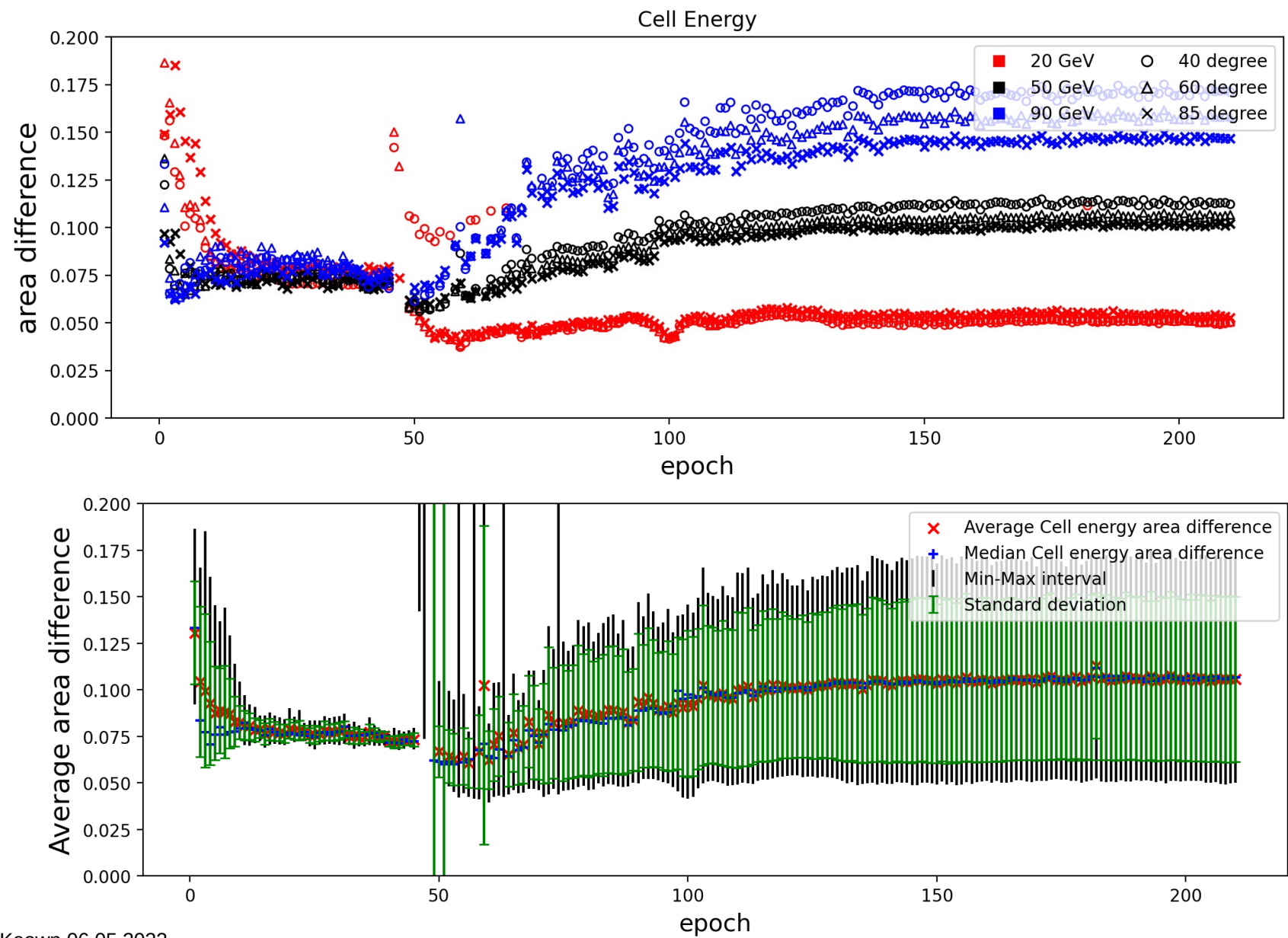
Fidelity sweep- PP WITHOUT Norm Layer: energy sum + angular distribution



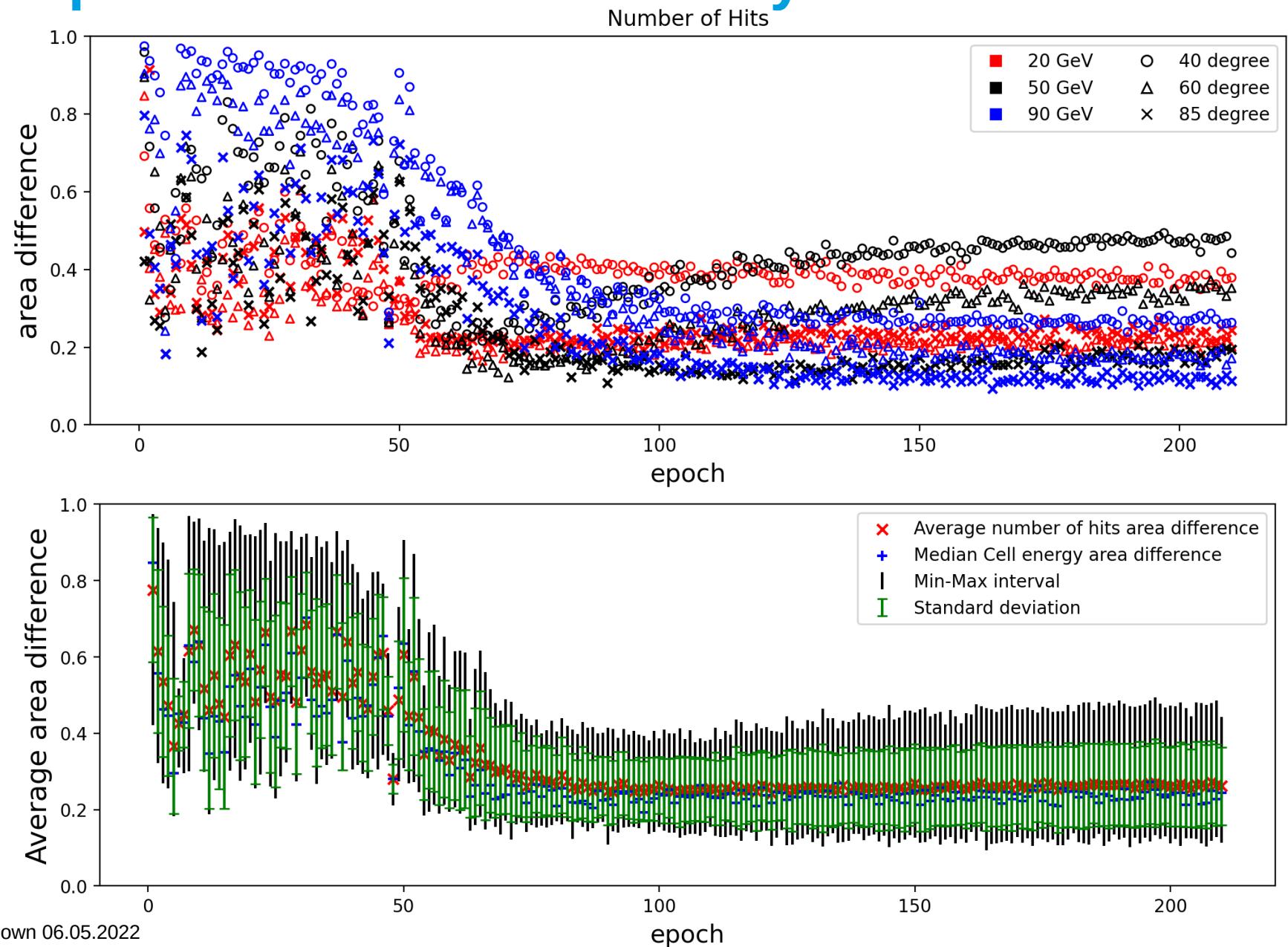
Fidelity sweep- PP WITHOUT Norm Layer: energy sum + angular distribution



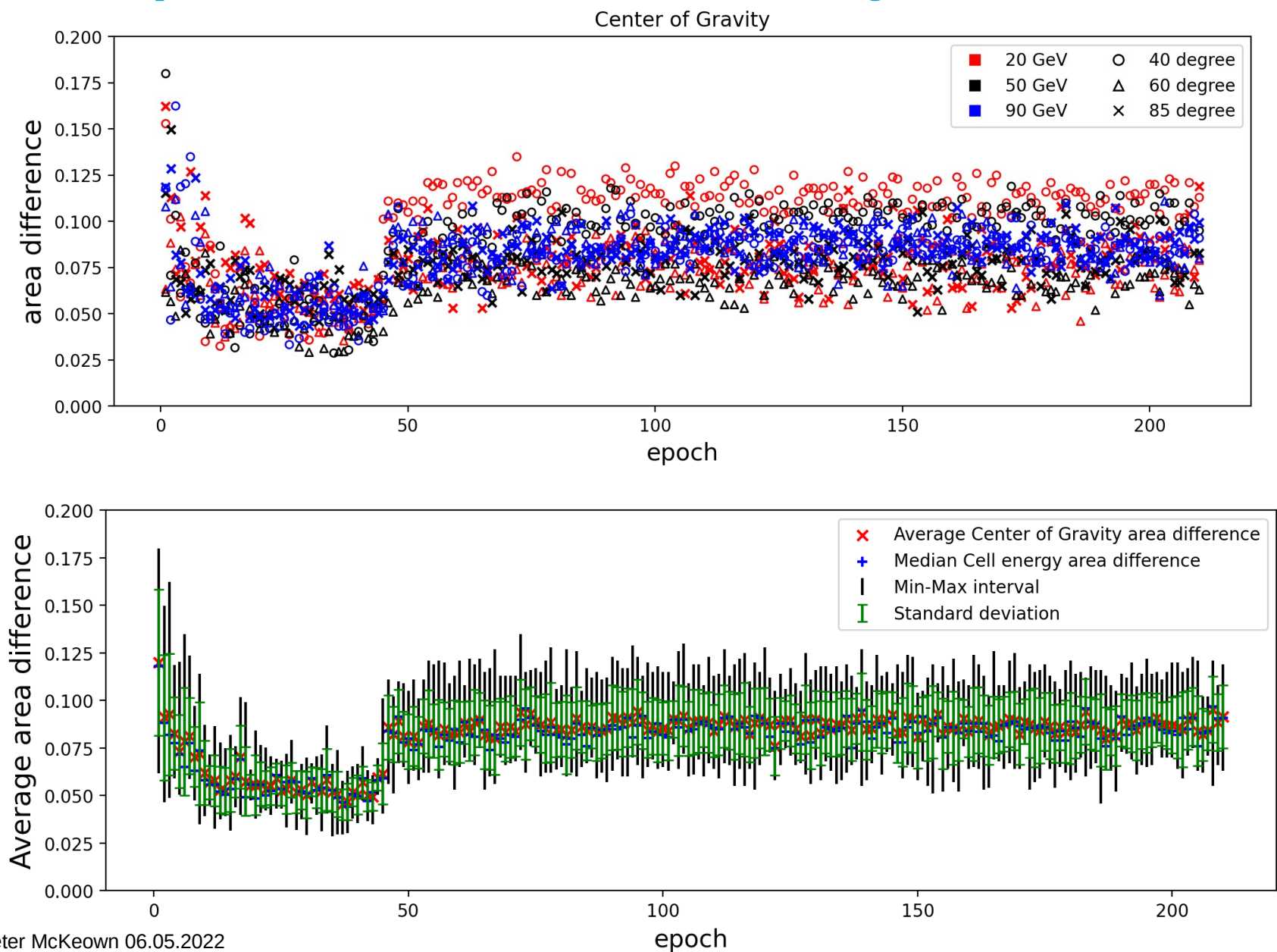
Fidelity sweep- PP WITHOUT Norm Layer: Cell Energy



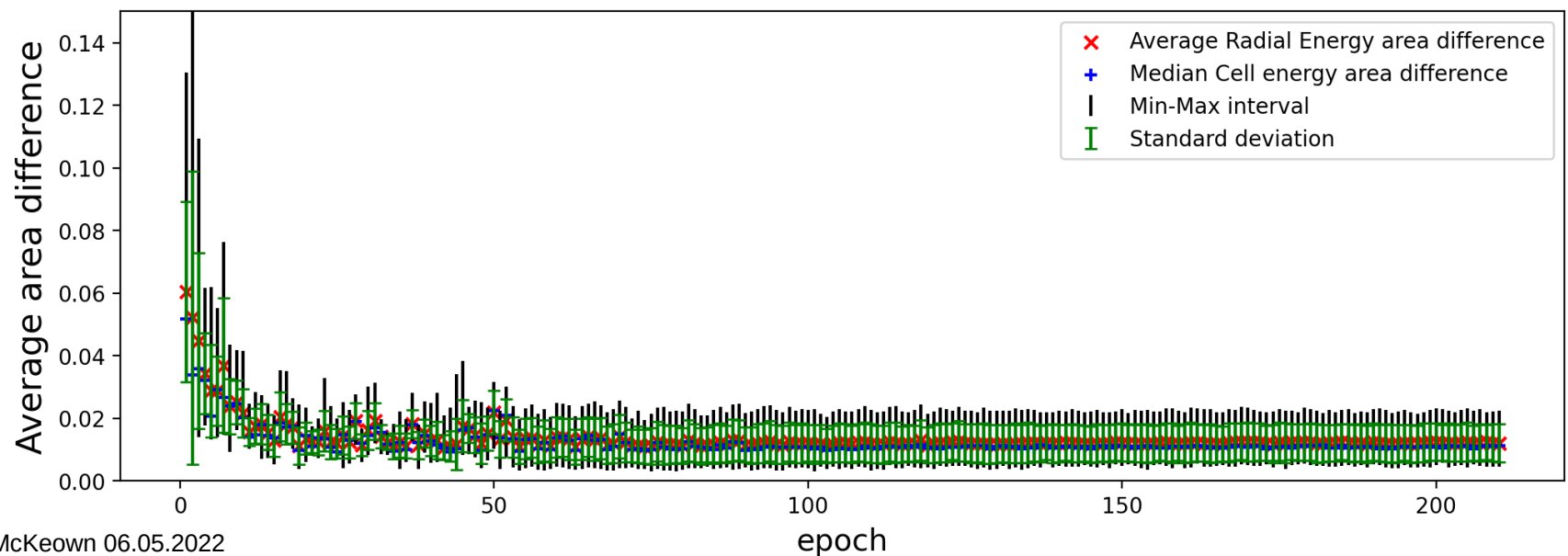
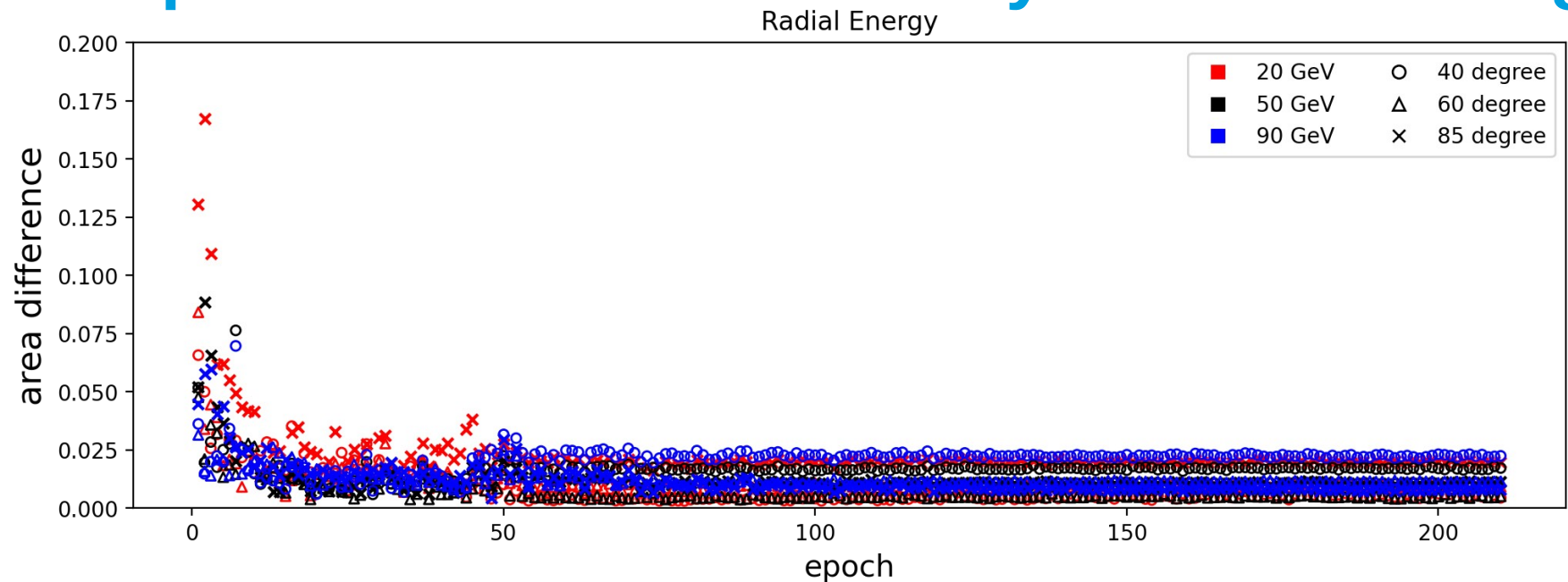
Fidelity sweep- PP WITHOUT Norm Layer: Number of Hits



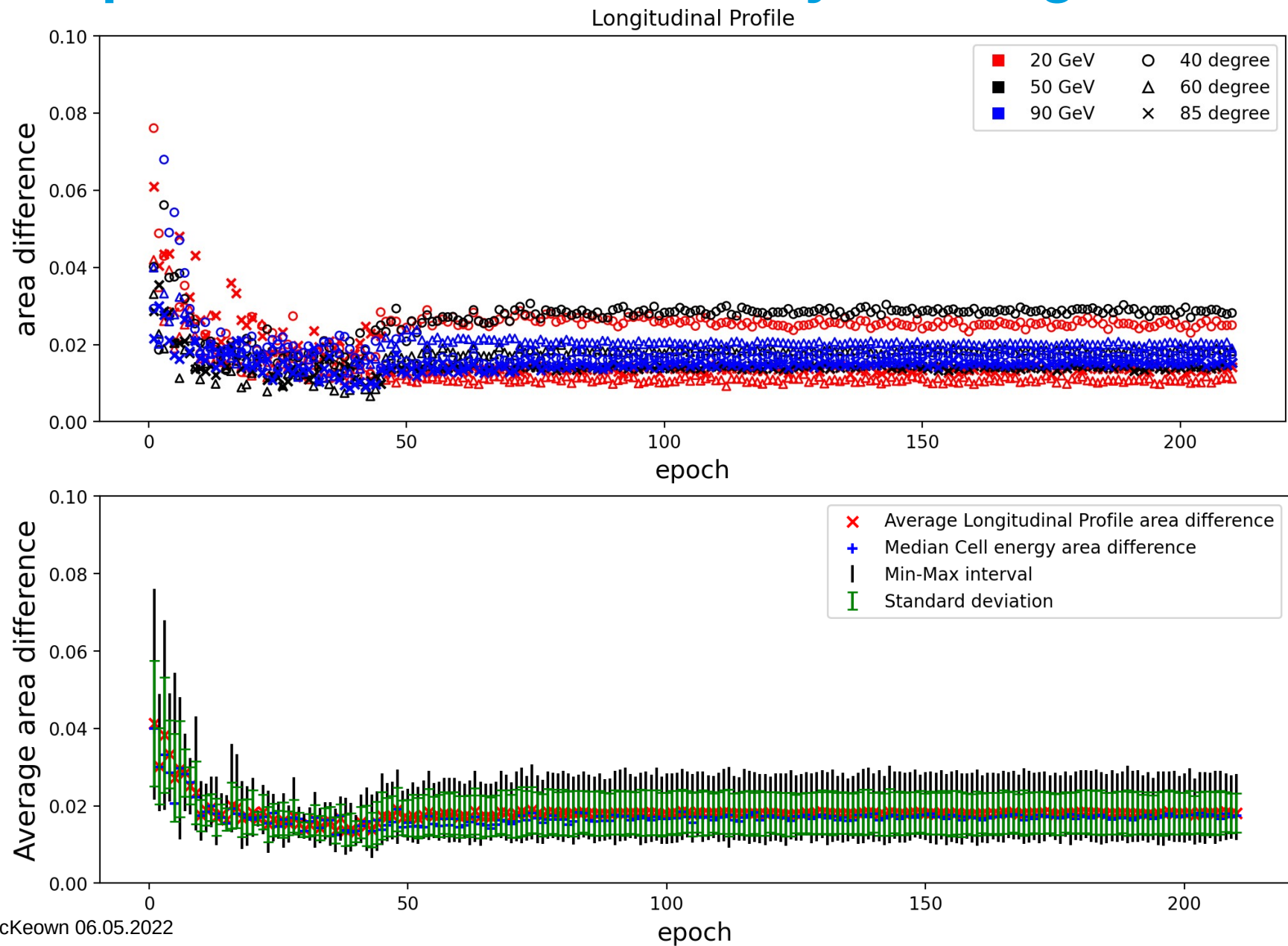
Fidelity sweep- PP WITHOUT Norm Layer: Center of Gravity



Fidelity sweep- PP WITHOUT Norm Layer: Radial Energy



Fidelity sweep- PP WITHOUT Norm Layer: Longitudinal Profile

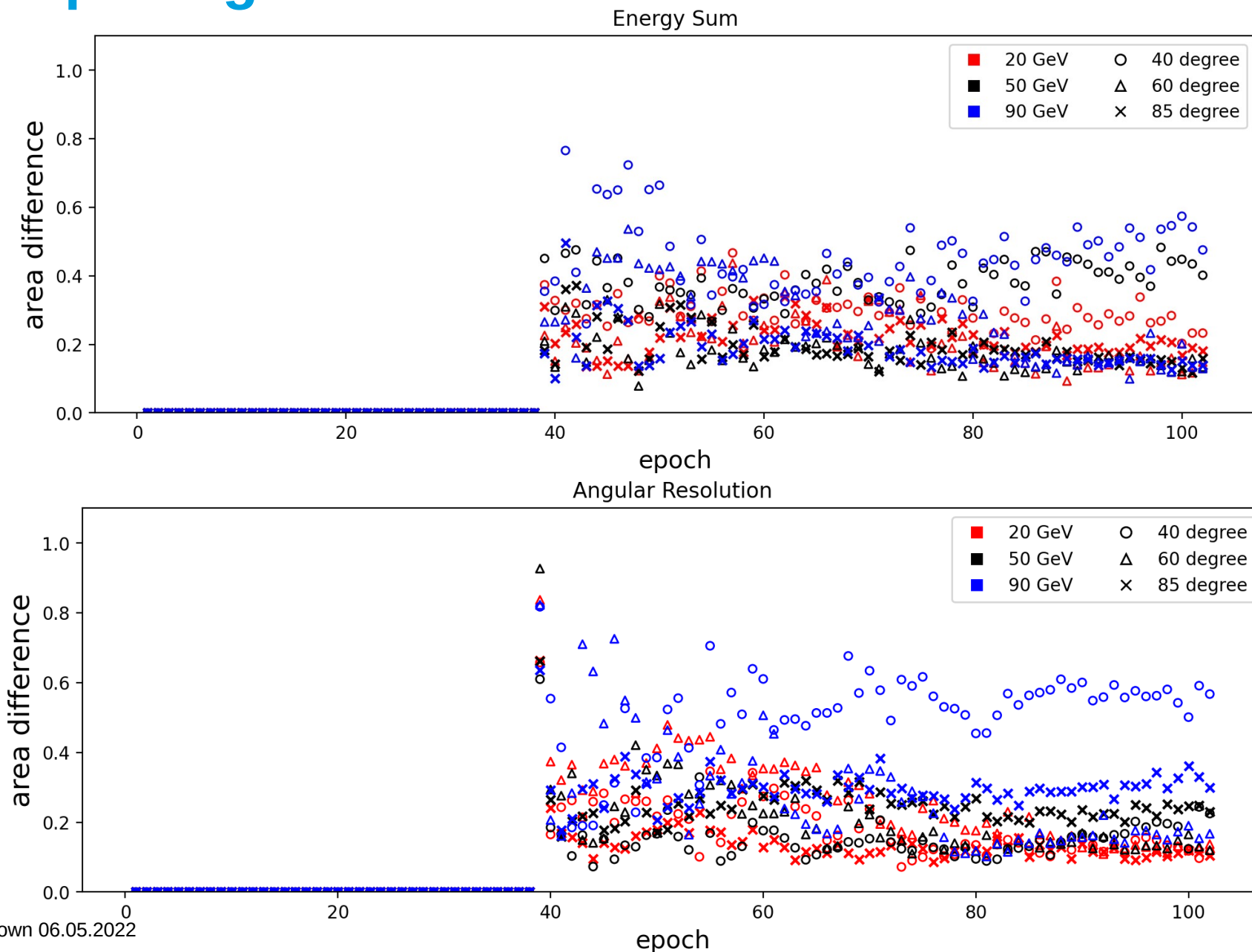


Take aways and next steps

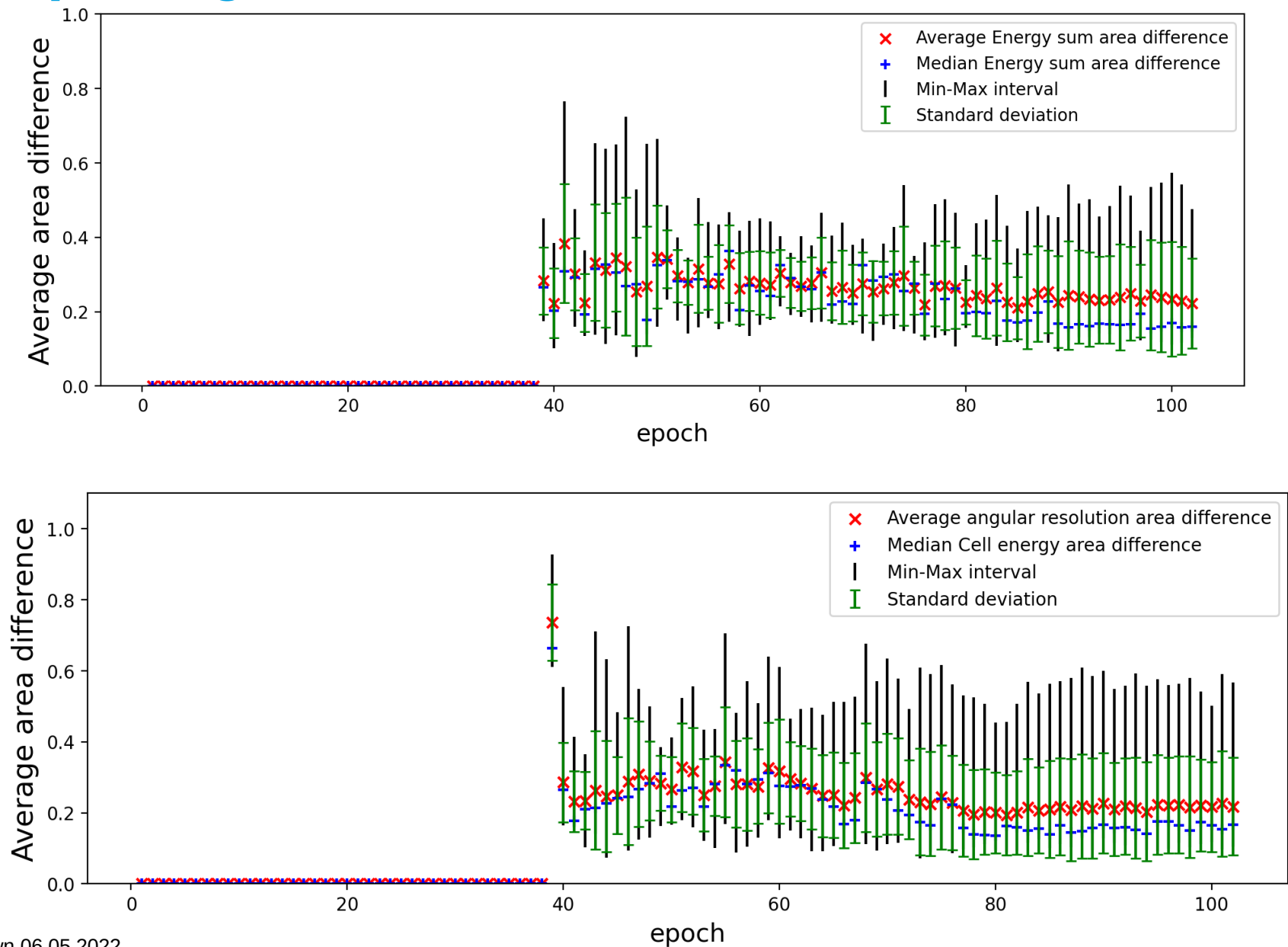
- Trade off in what Post Processing method is used
- Still trying to find the needle in the haystack....

Back up

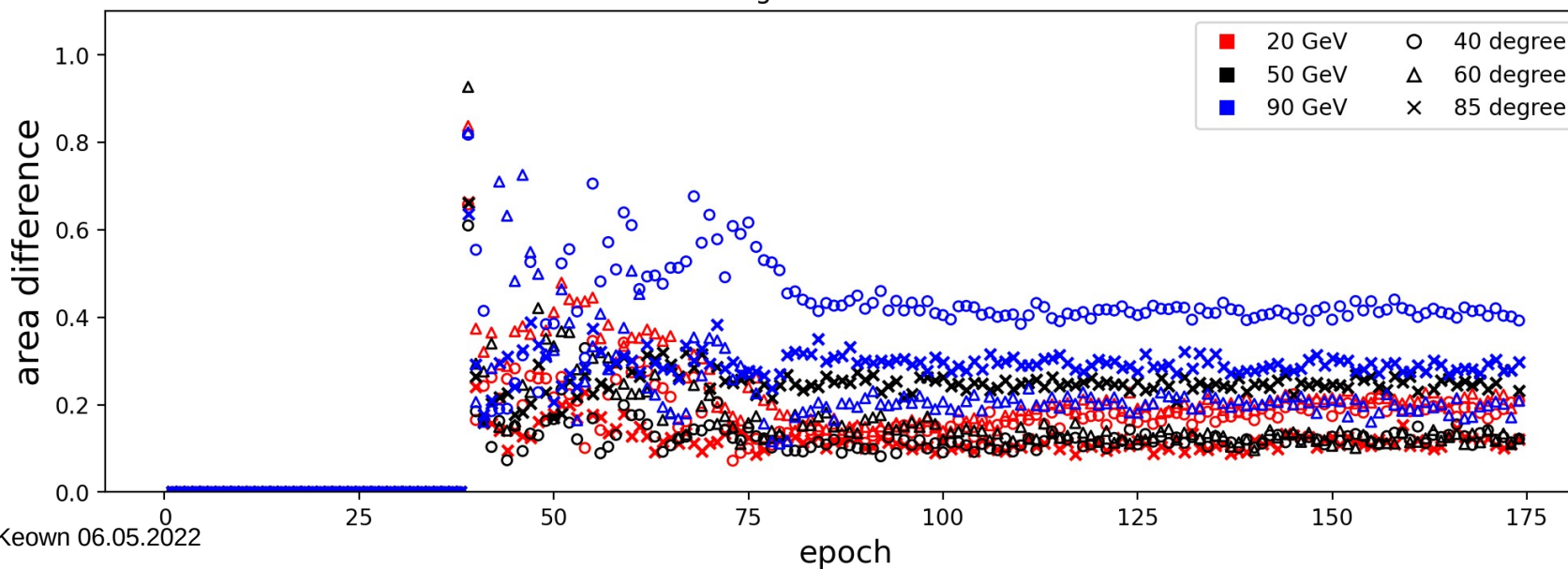
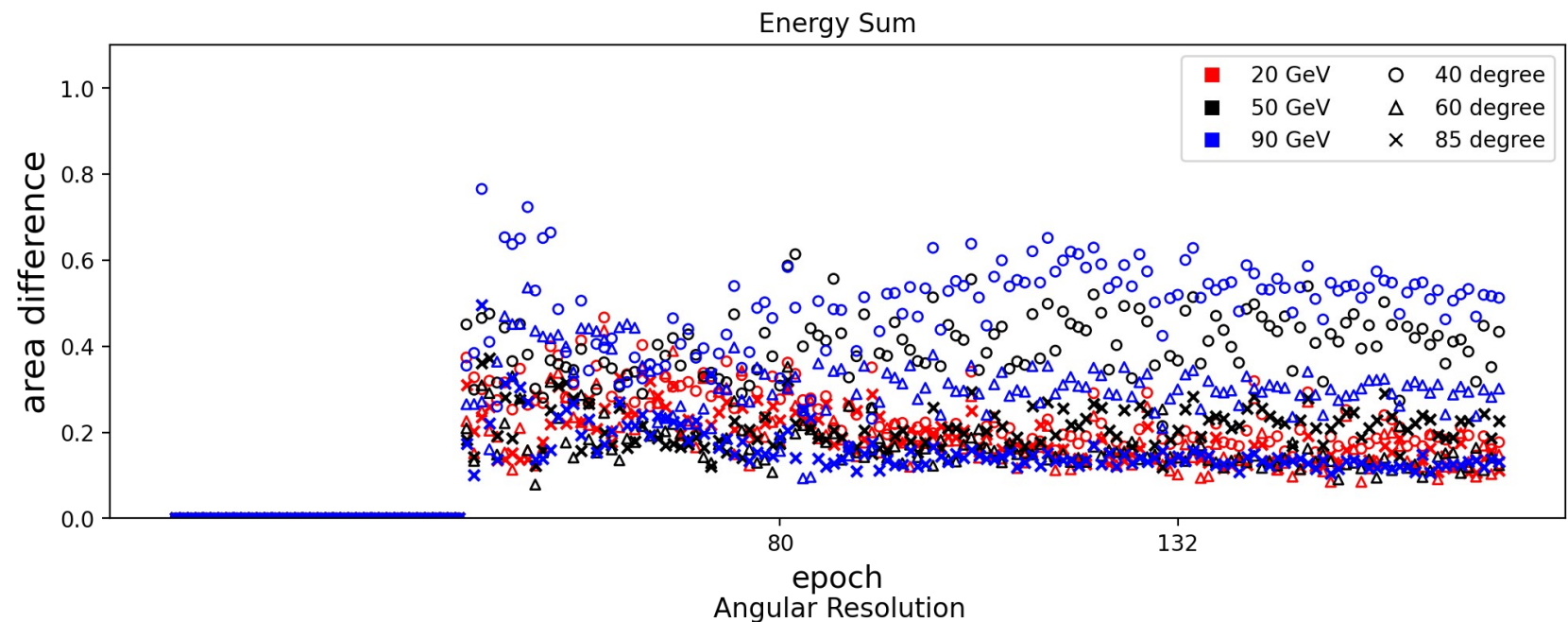
Fidelity sweep- Original 13650 banana continuation from ep.39



Fidelity sweep- Original 13650 banana continuation from ep.39



Fidelity sweep- Original 13650 banana, PP ep. 80



Fidelity sweep- Original 13650 banana, PP ep. 80

