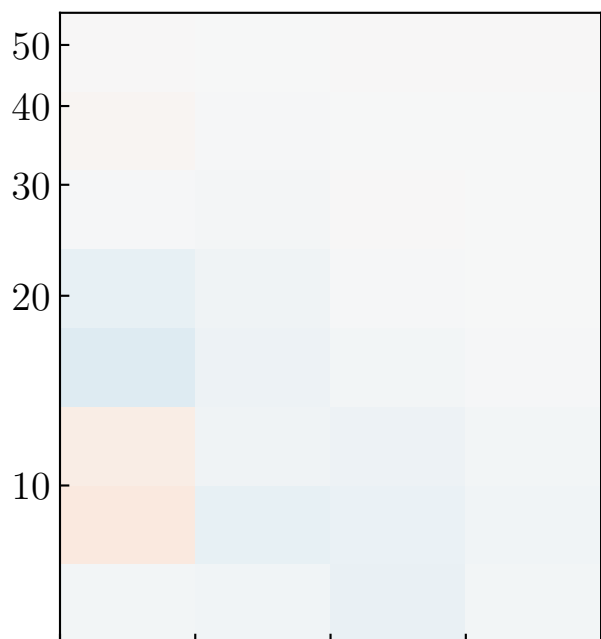
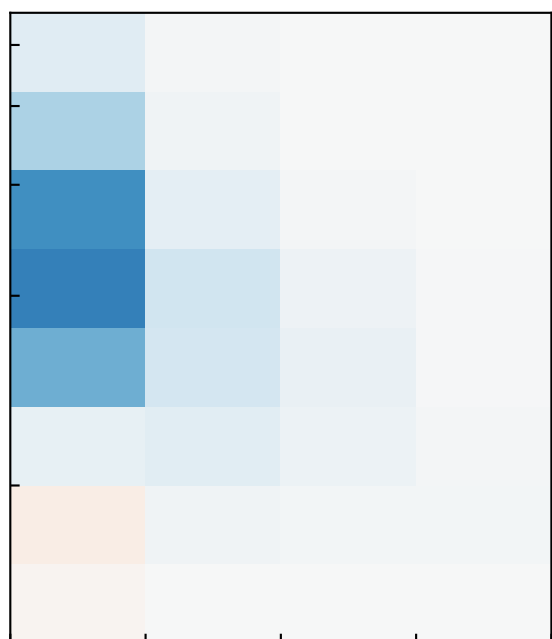
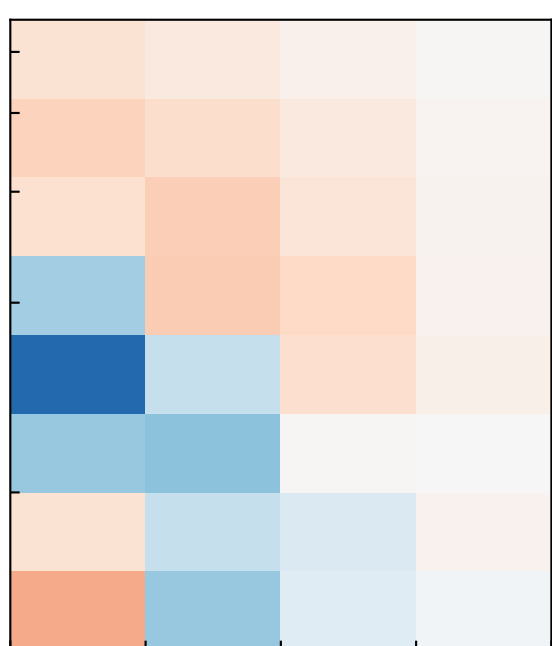
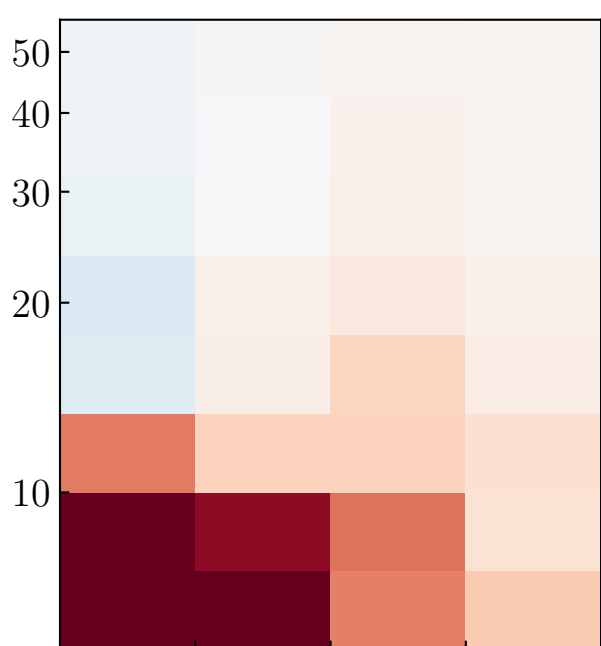
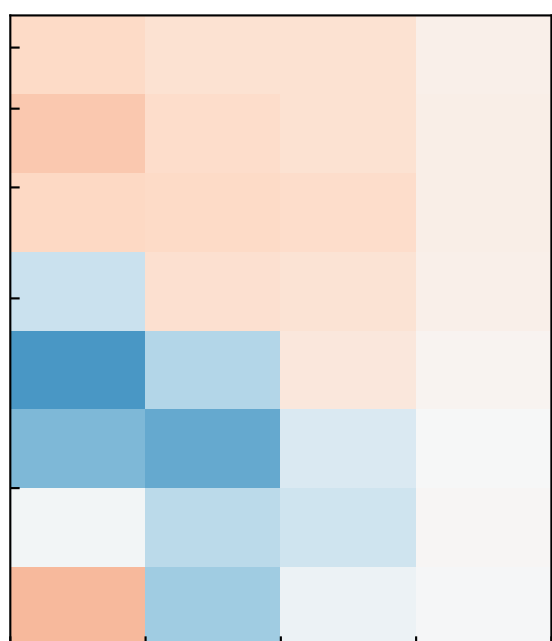
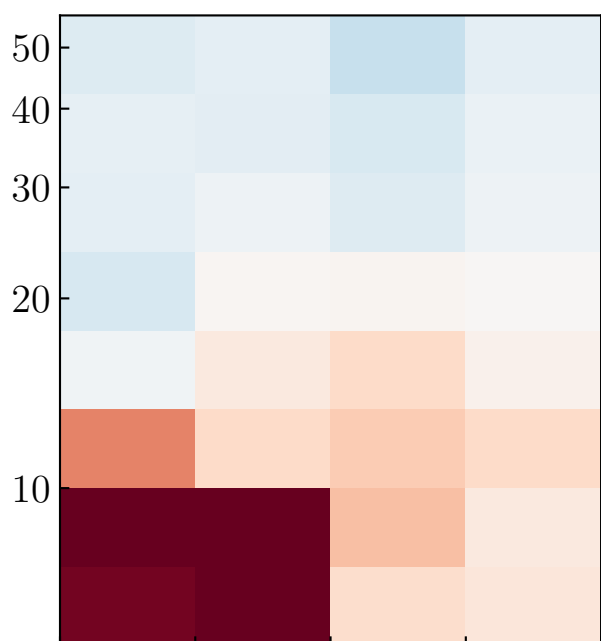
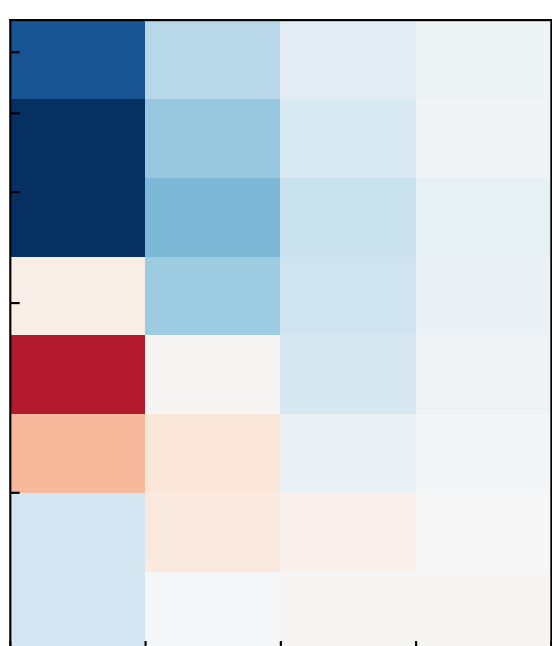
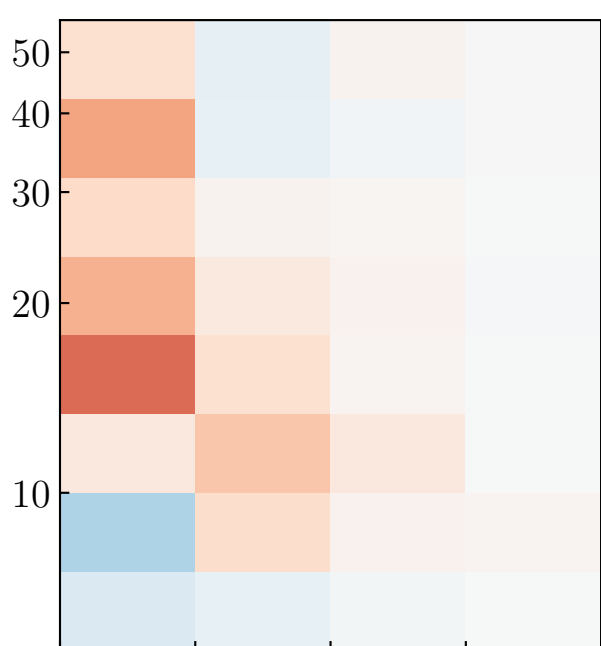


PINGU cascades



PINGU tracks


 E^{reco} [GeV]

 $\cos(\theta_z^{reco})$
 $\cos(\theta_z^{reco})$