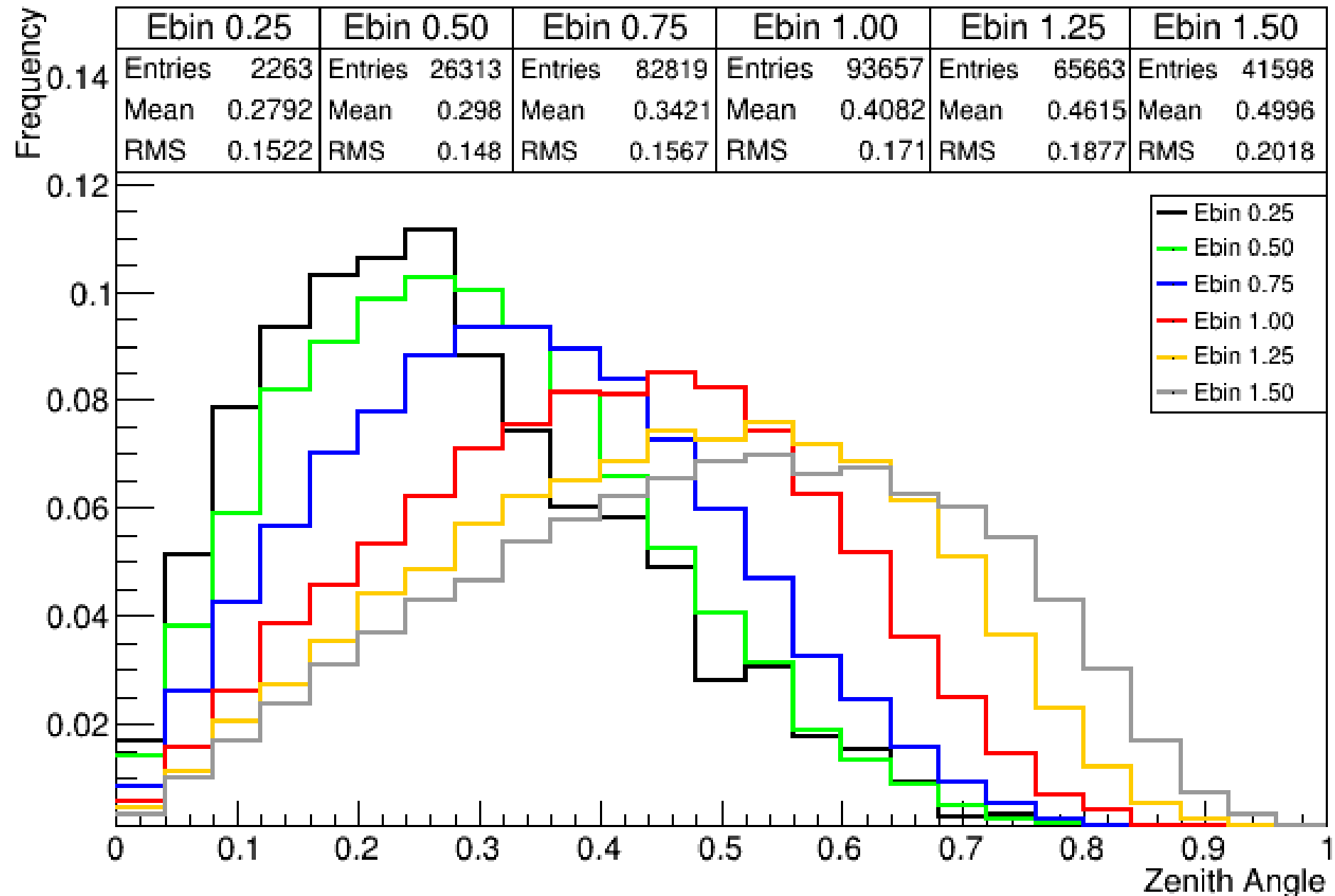


Updates

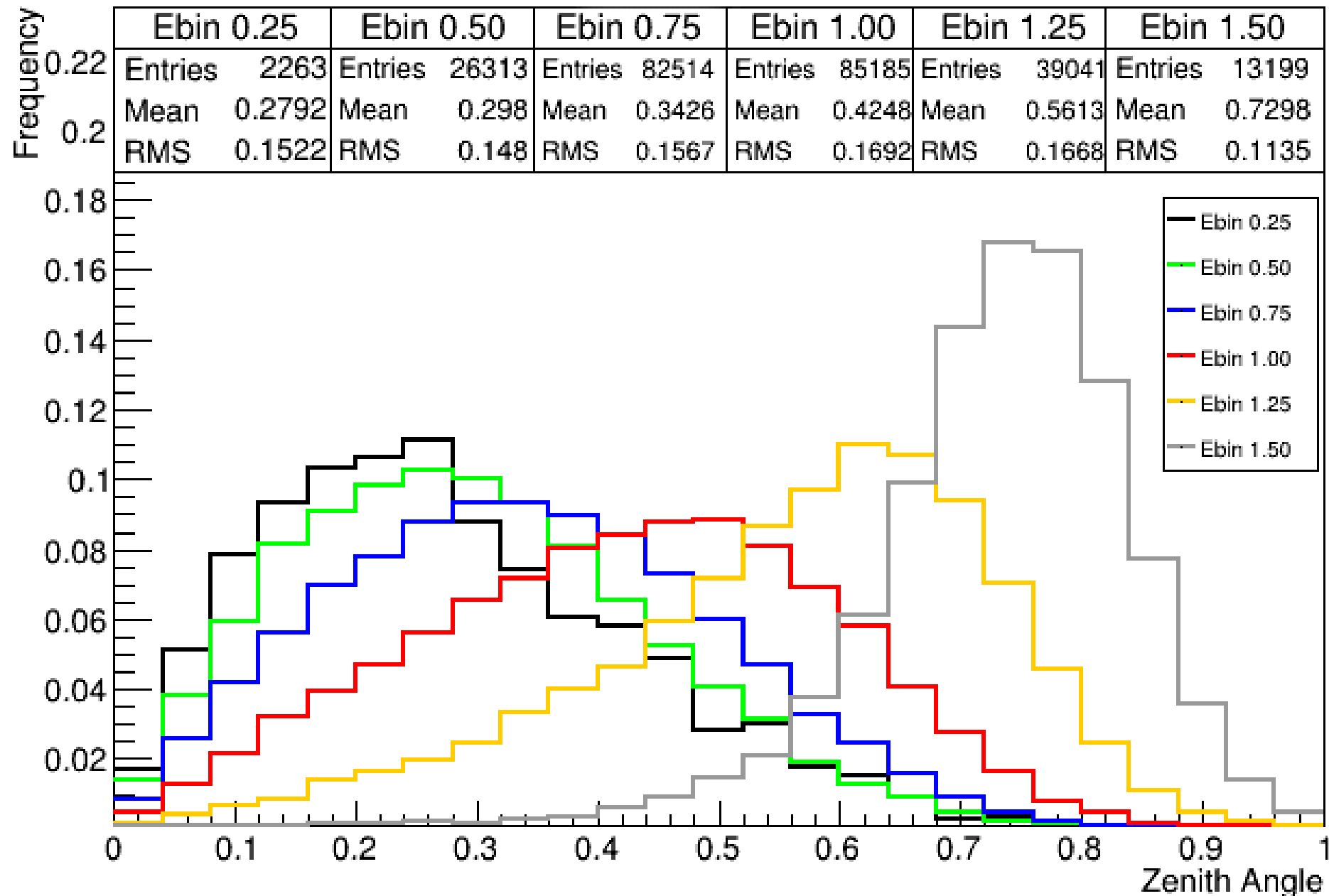
Zenith dependence in various Log Energy bins

- The Zenith distribution seems to become more homogenous in the higher energy bins.
- The mean Zenith angle in each bin seems to be loosely proportional with the energy.
- Applying a cut based on fiducial scale (<100) seems to eliminate many lower zenith angle events from higher energy bins, this 'slims' the zenith distribution of the higher energy bins
- The lower Energy bins remain relatively untouched by the fiducial cut

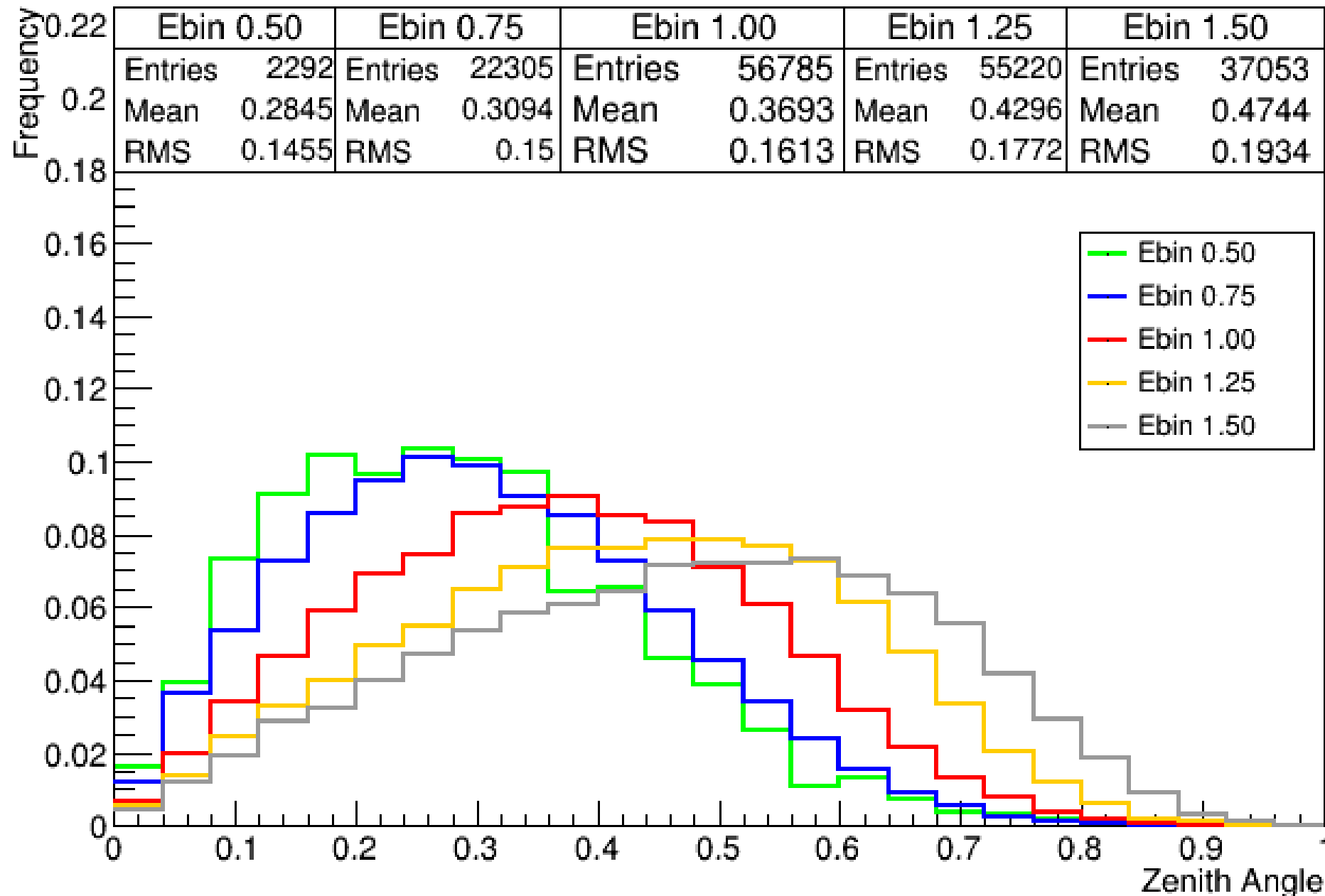
Zenith Angle with Low Fhit (.485-.618) over LogEnergy Bins



Zenith Angle with Low Fhit (.485-.618) over LogEnergy Bins with Fiducial Cut

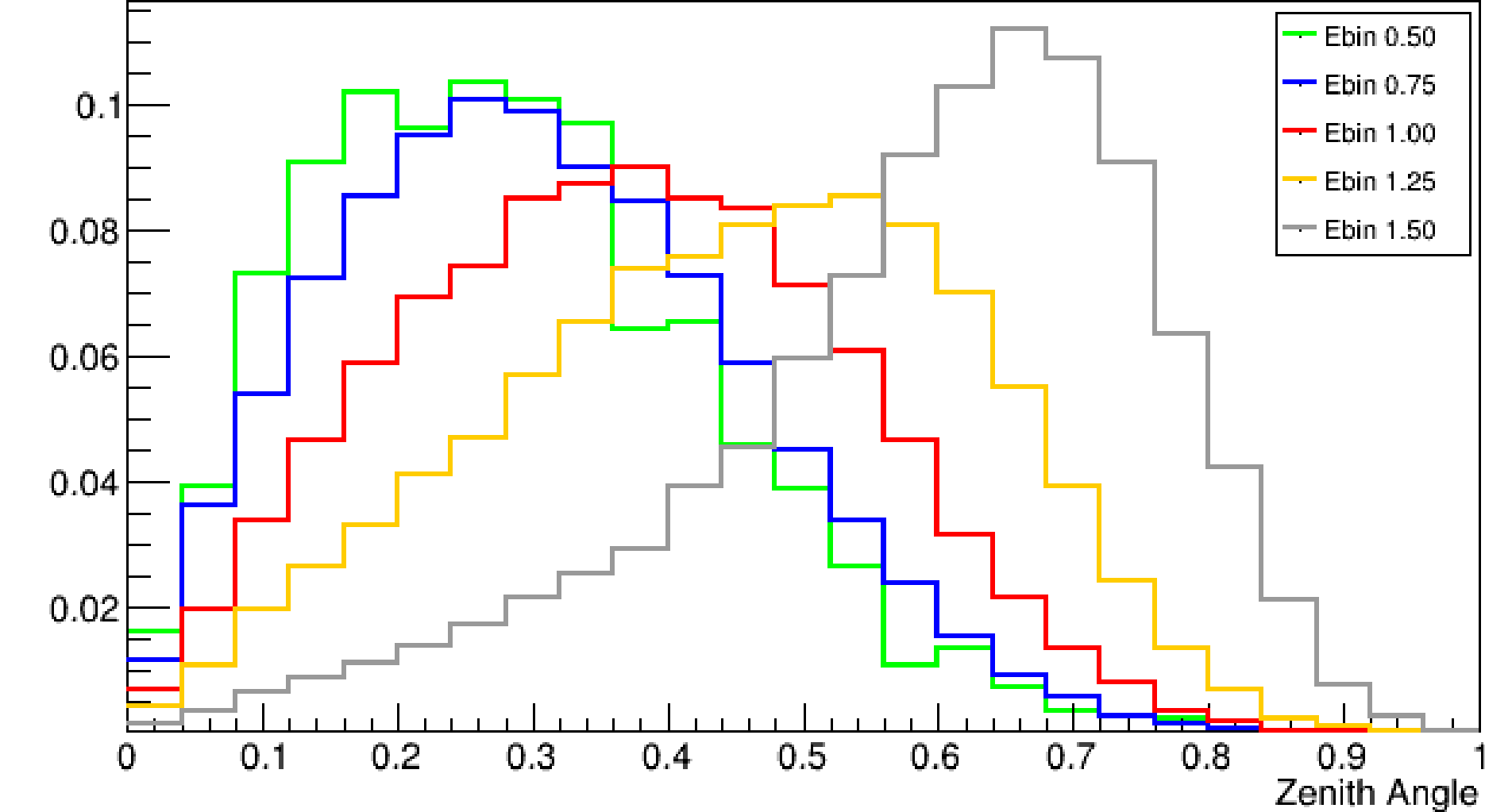


Zenith Angle with High Fhit (.618-.74) over LogEnergy Bins



Zenith Angle with High Fhit (.618-.74) over LogEnergy Bins with Fiducial Cut

	Ebin 0.50	Ebin 0.75	Ebin 1.00	Ebin 1.25	Ebin 1.50
Frequency	0.14				
Entries	2292	22305	56630	49539	19990
Mean	0.2845	0.3094	0.3697	0.451	0.5909
RMS	0.1455	0.15	0.1613	0.1747	0.1701



- Made using Gamma MC from:
 - `$SCRATCH/systematics/nominal_allspecies/reco_files/gamma.xcd`