

Parameters at 1.2 V over BDV  
Orlando Soto S.

In the next slides different parameters are shown at 1.0, 1.1 and 1.2 [V] over breakdown voltage.

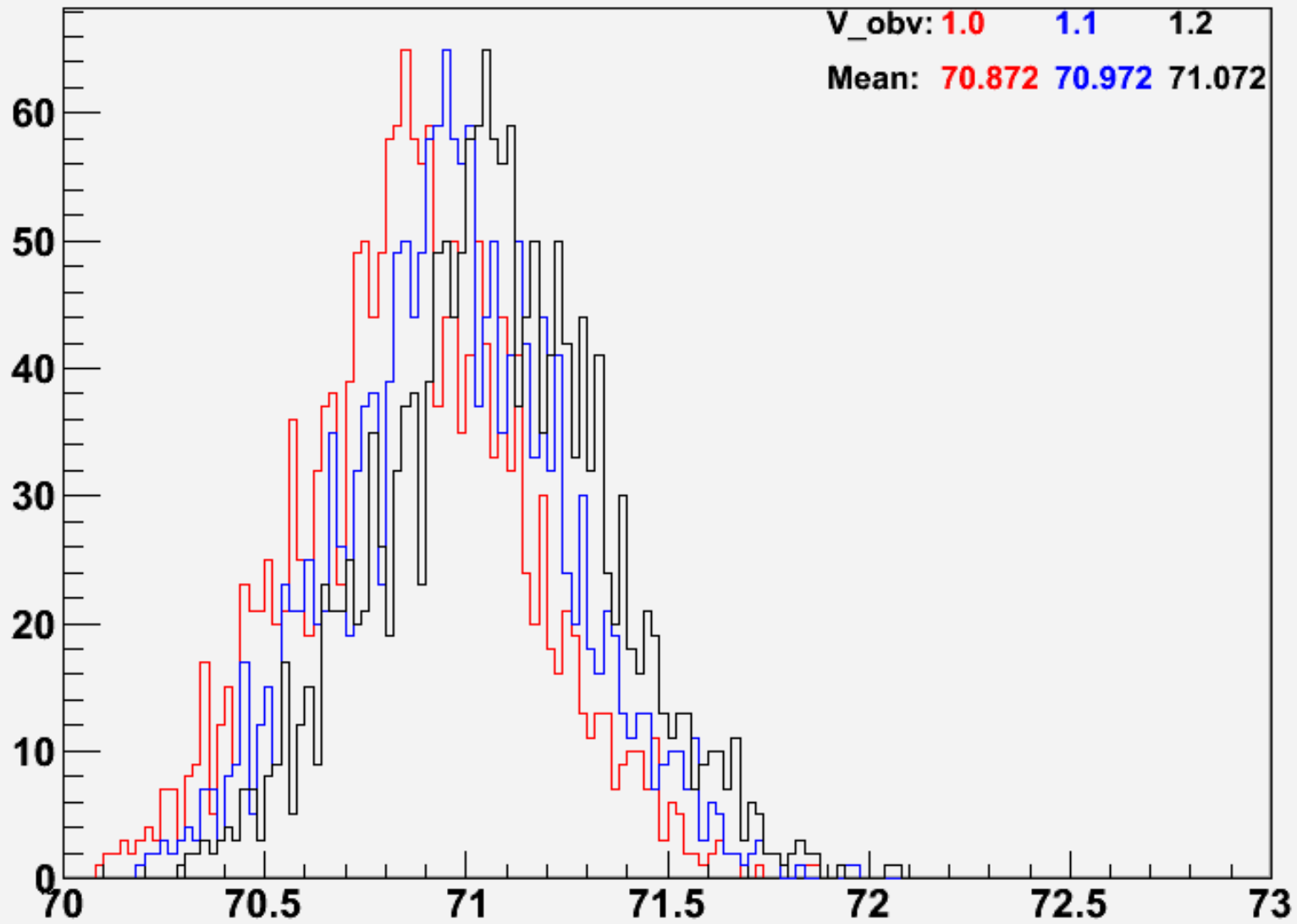
There are two slides per each temperature and parameter. The first one shows the parameter histogram over all mppcs, the last one shows the dispersion of the 16 cells within each mppc.

The parameters are: Operational Voltage, Gain, Cross-Talk, Dark Rate

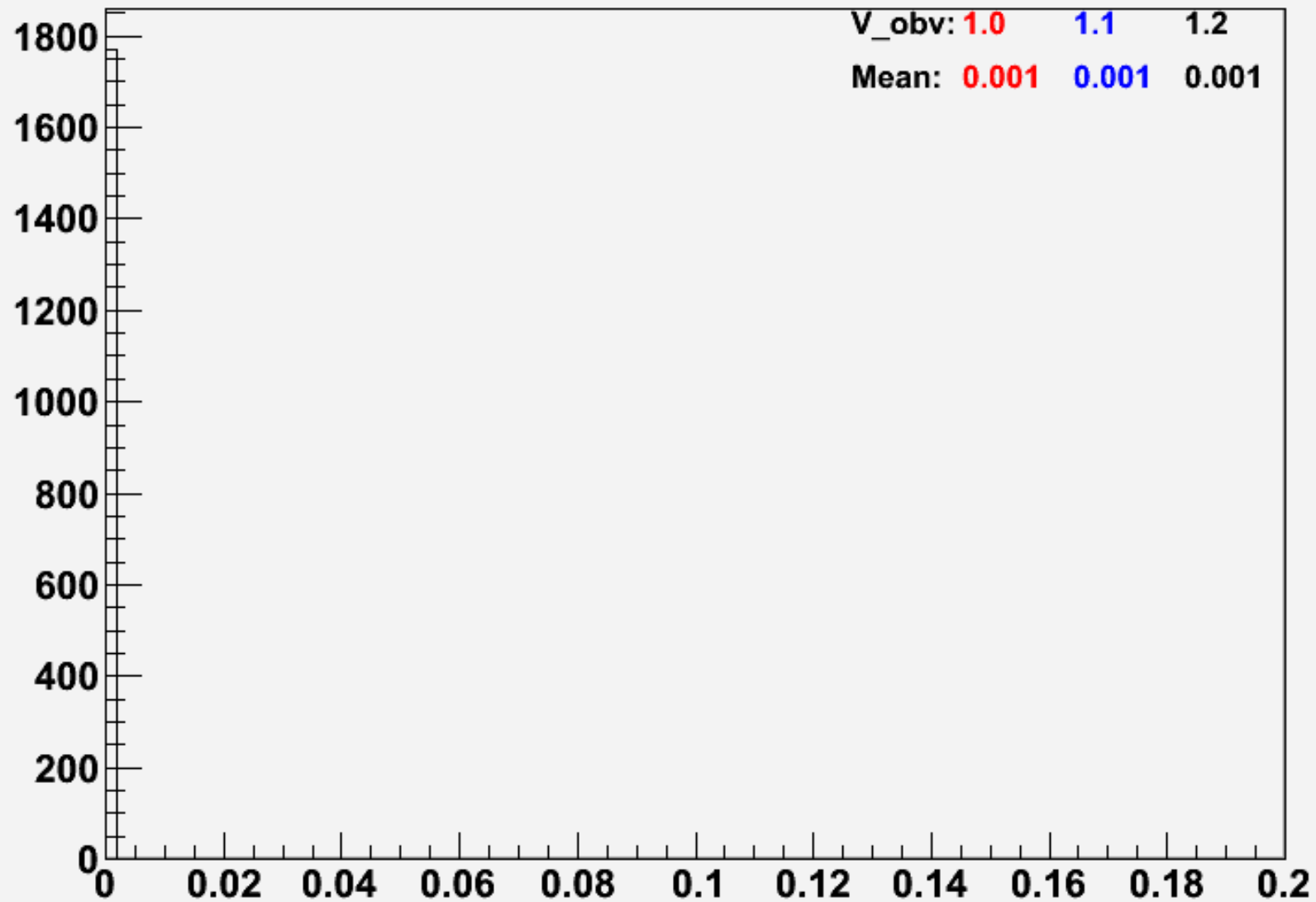
The formulas used in Dark Rate:

$$\text{Dark Rate} = \frac{N_{\text{outside pedestal}}}{N_{\text{inside pedestal}} \cdot \text{gate} \cdot 10^6}$$

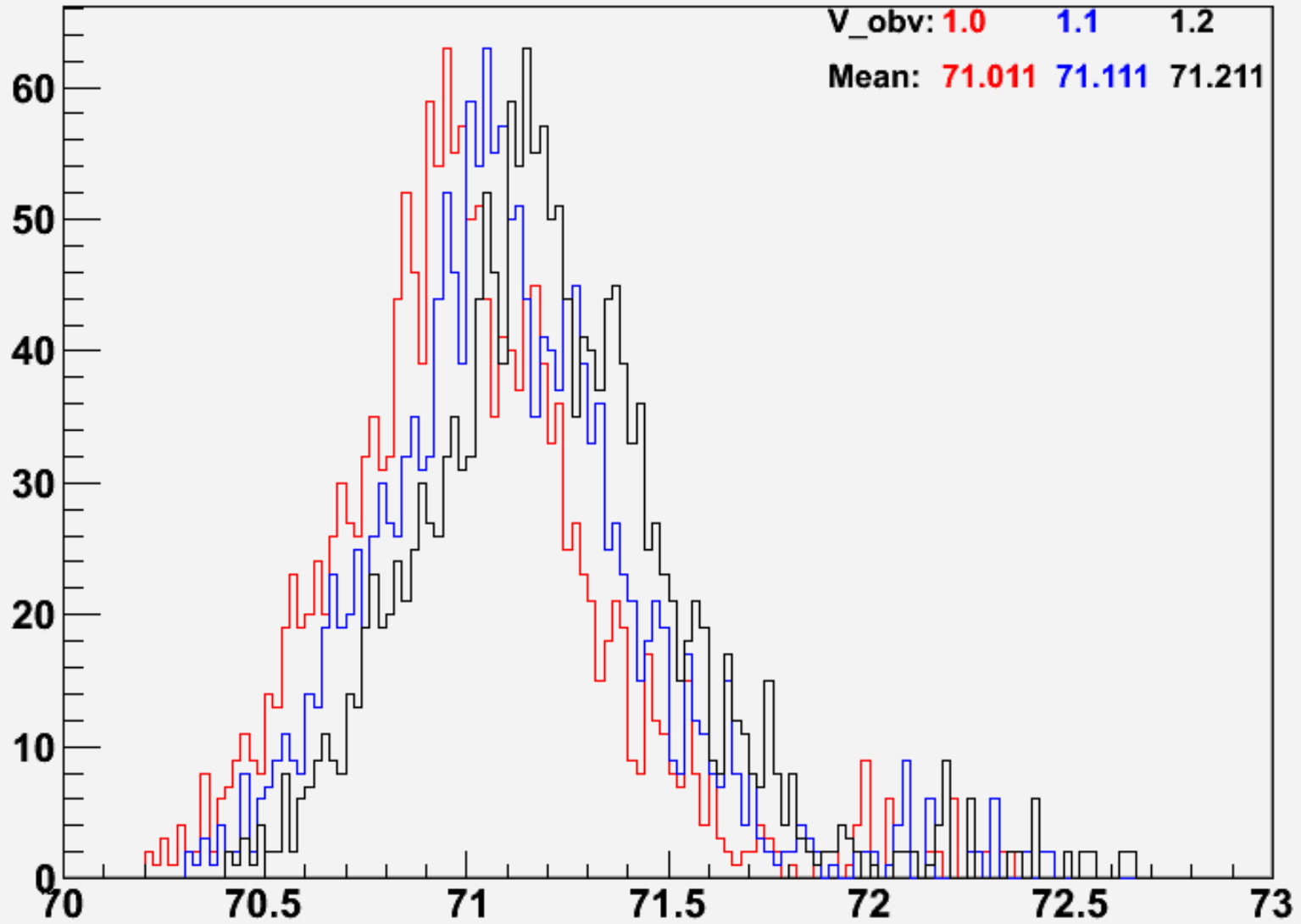
# vop projection 5C



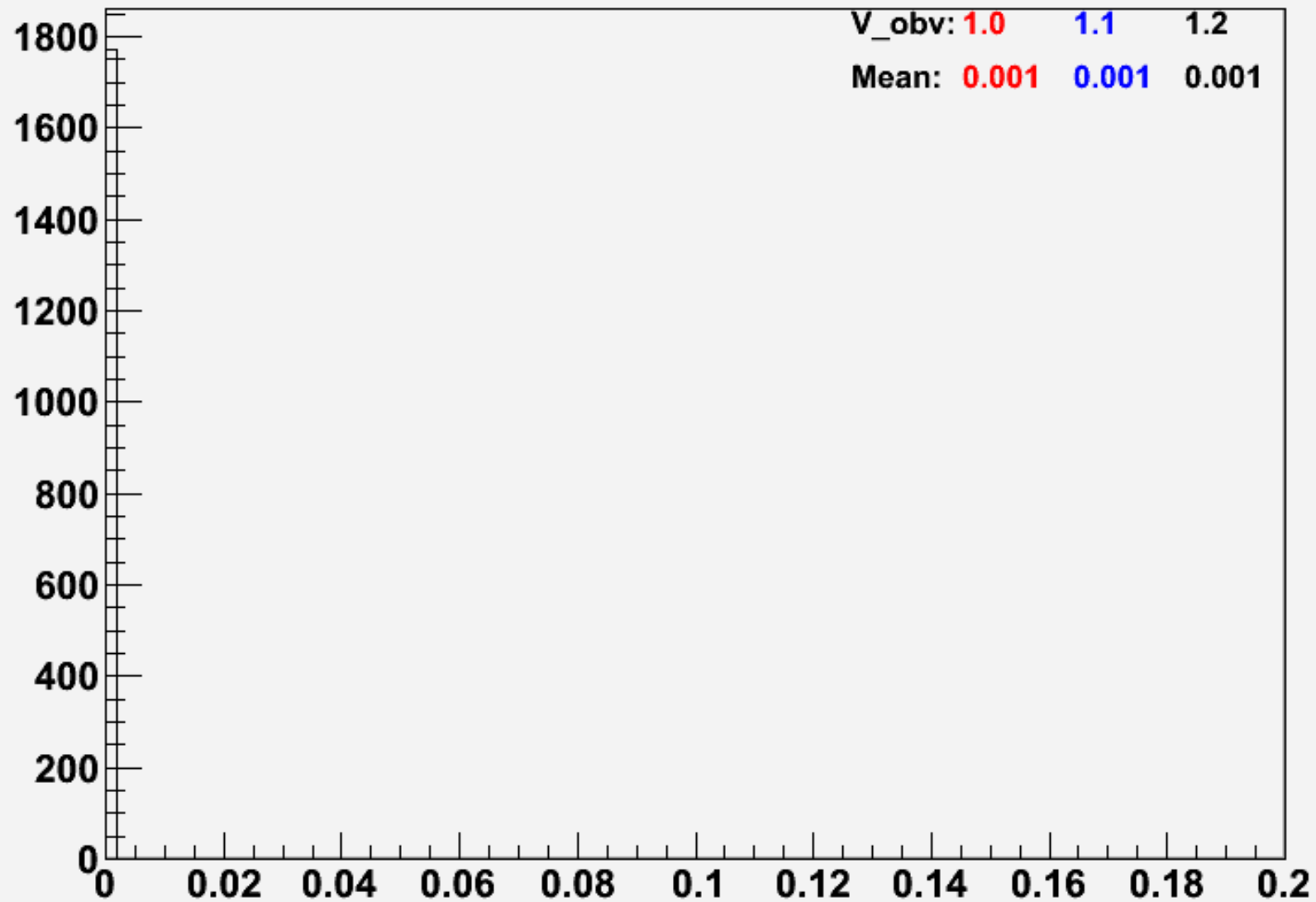
# vop dispersion 5C



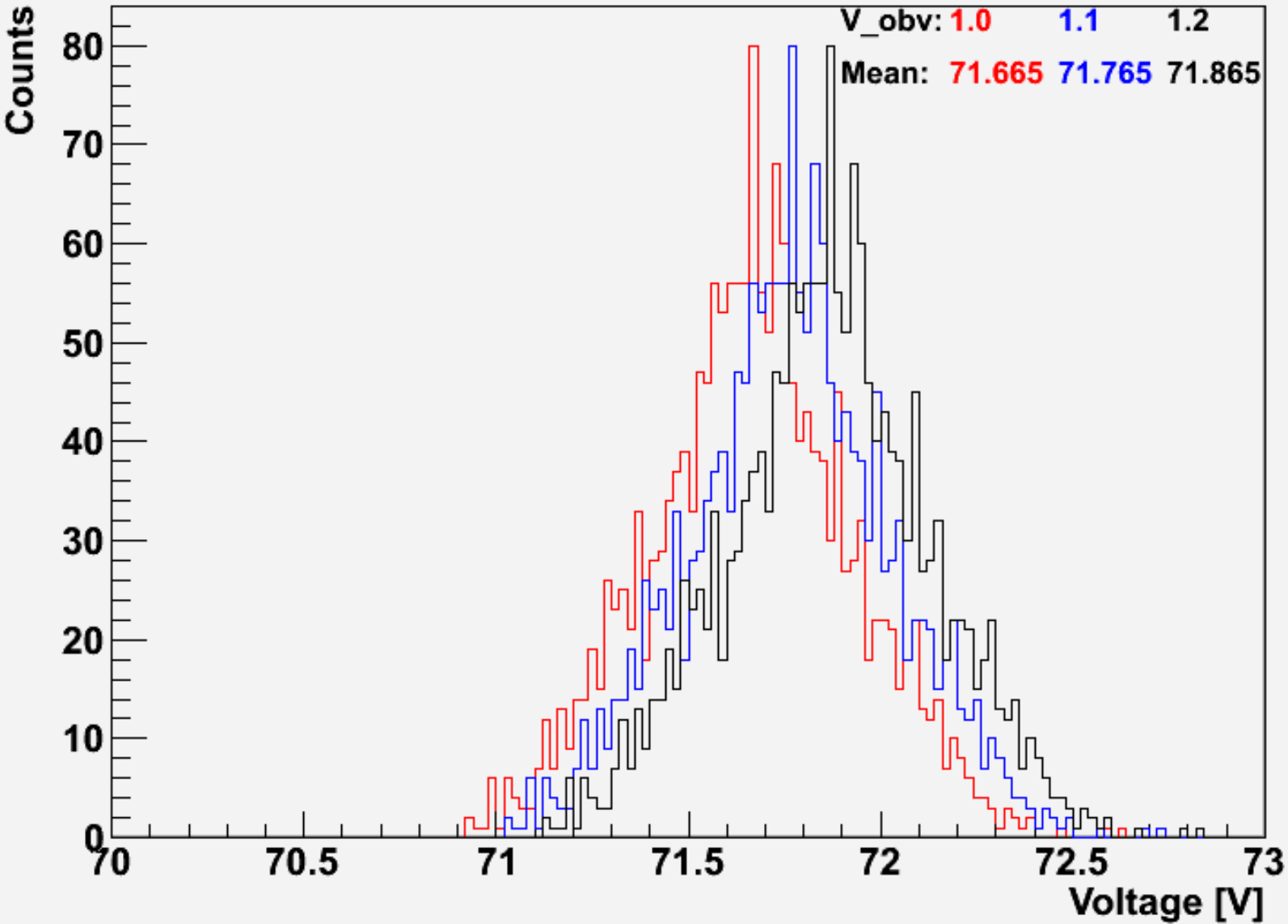
# vop projection 7C



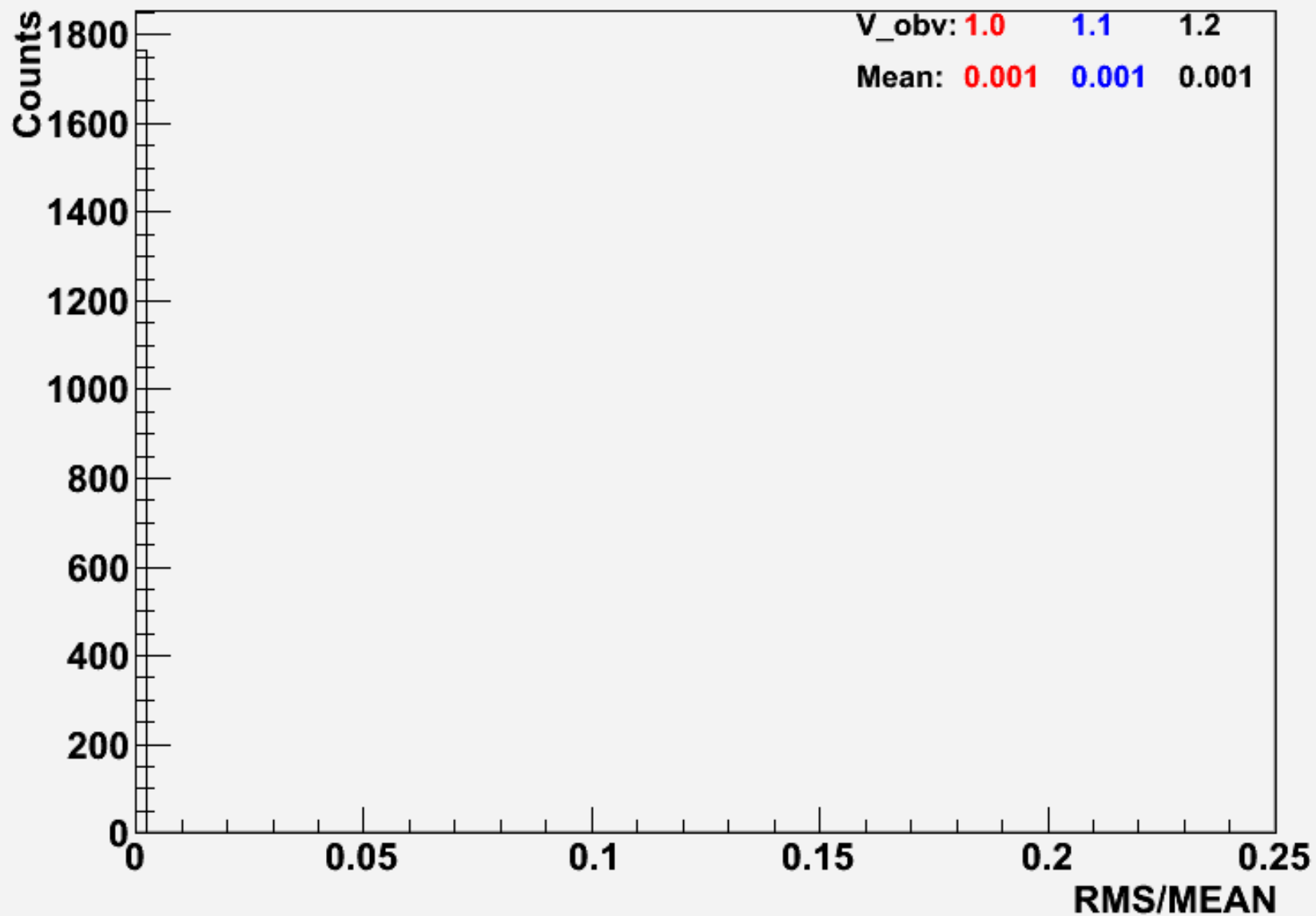
# vop dispersion 7C



# vop projection 20C

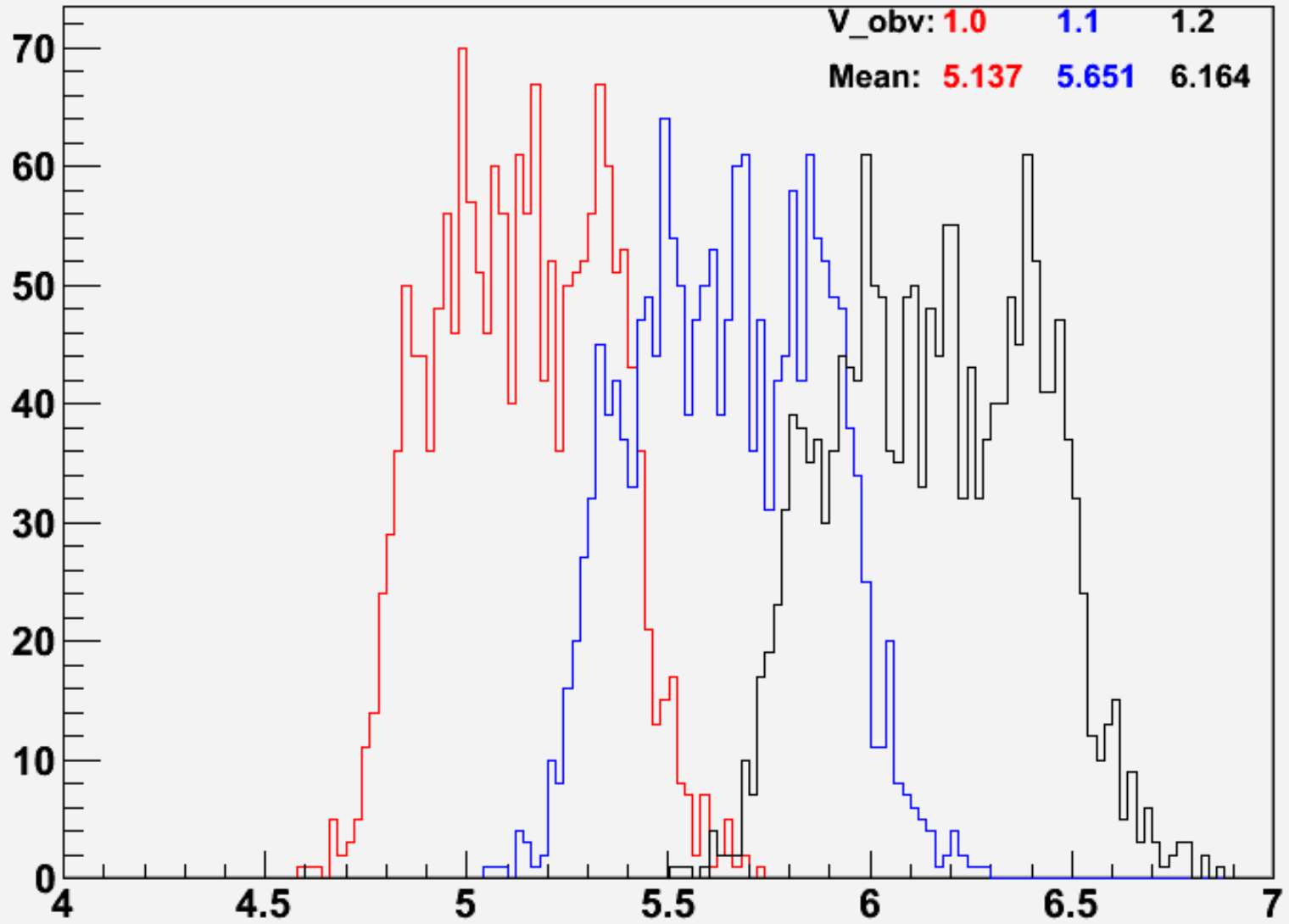


# vop dispersion 20C

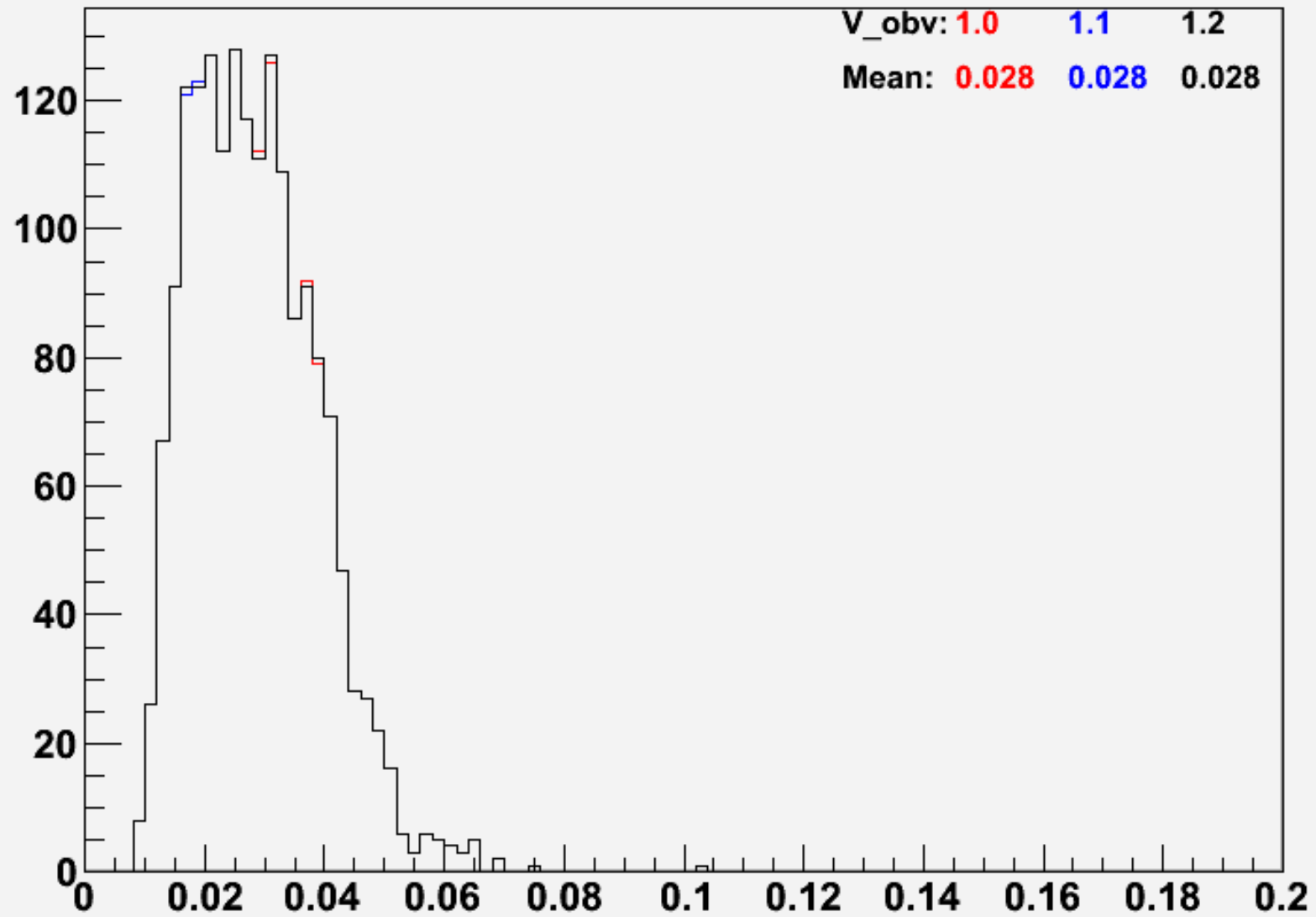




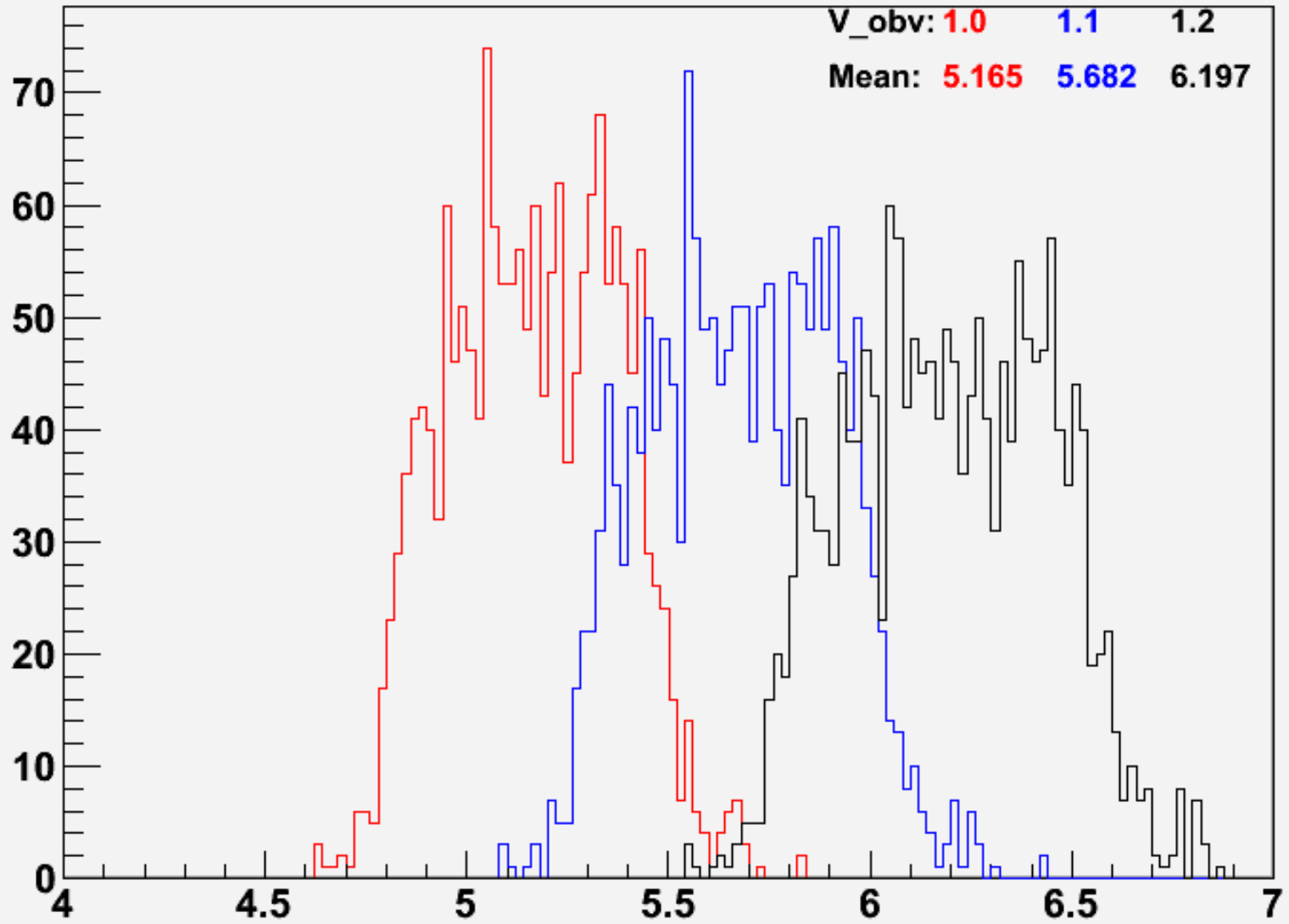
# gain projection 5C



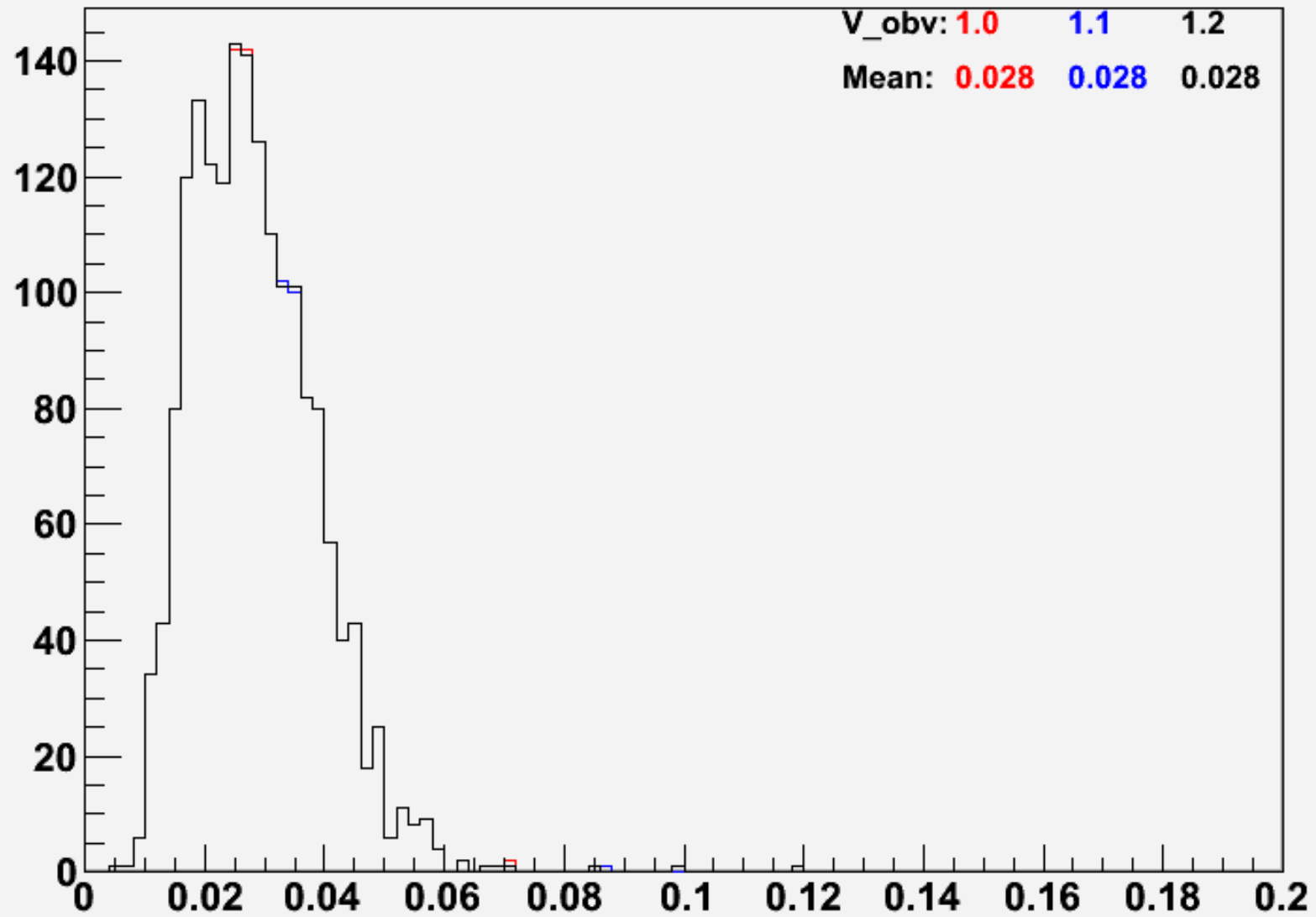
# gain dispersion 5C



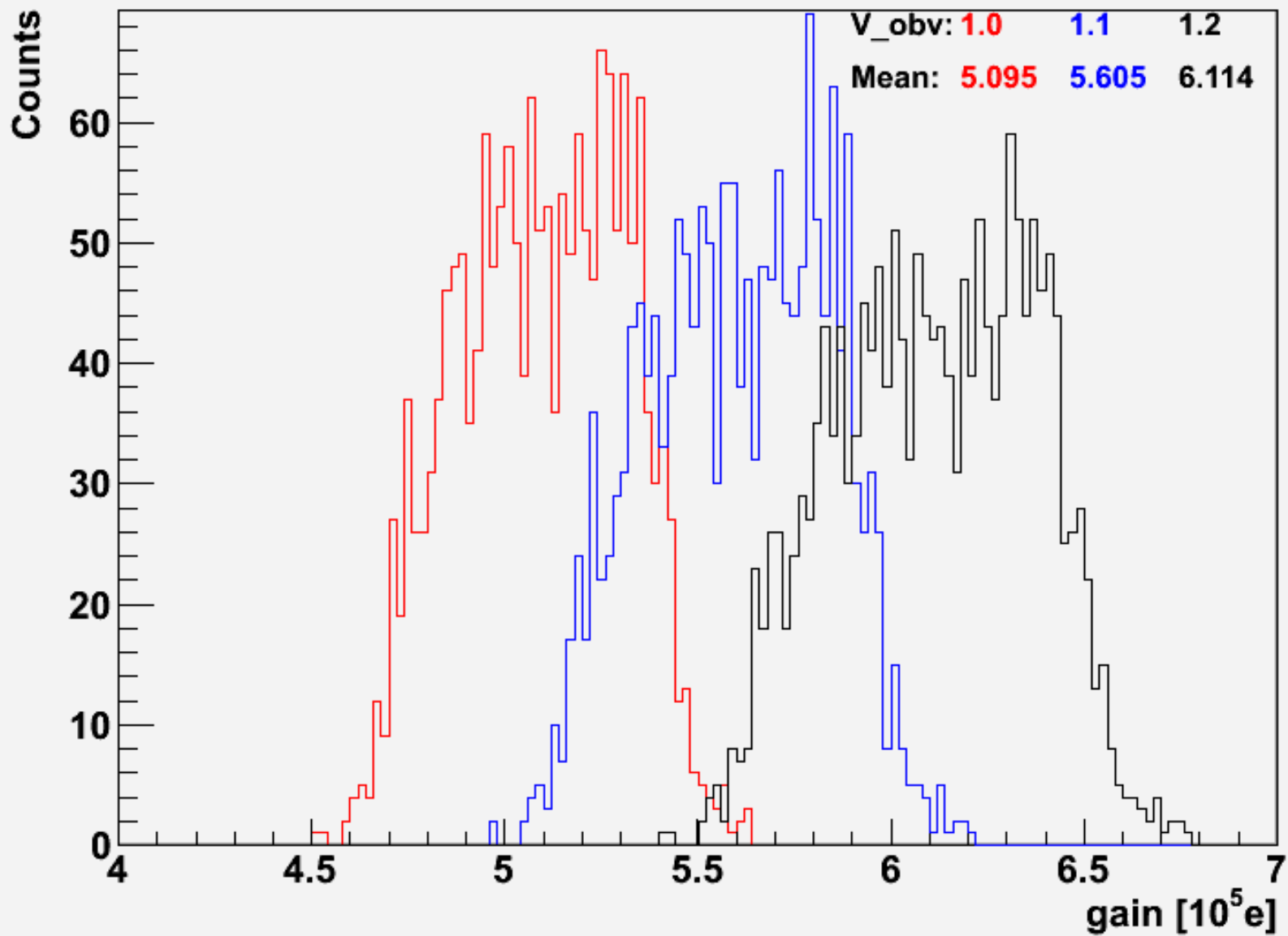
# gain projection 7C



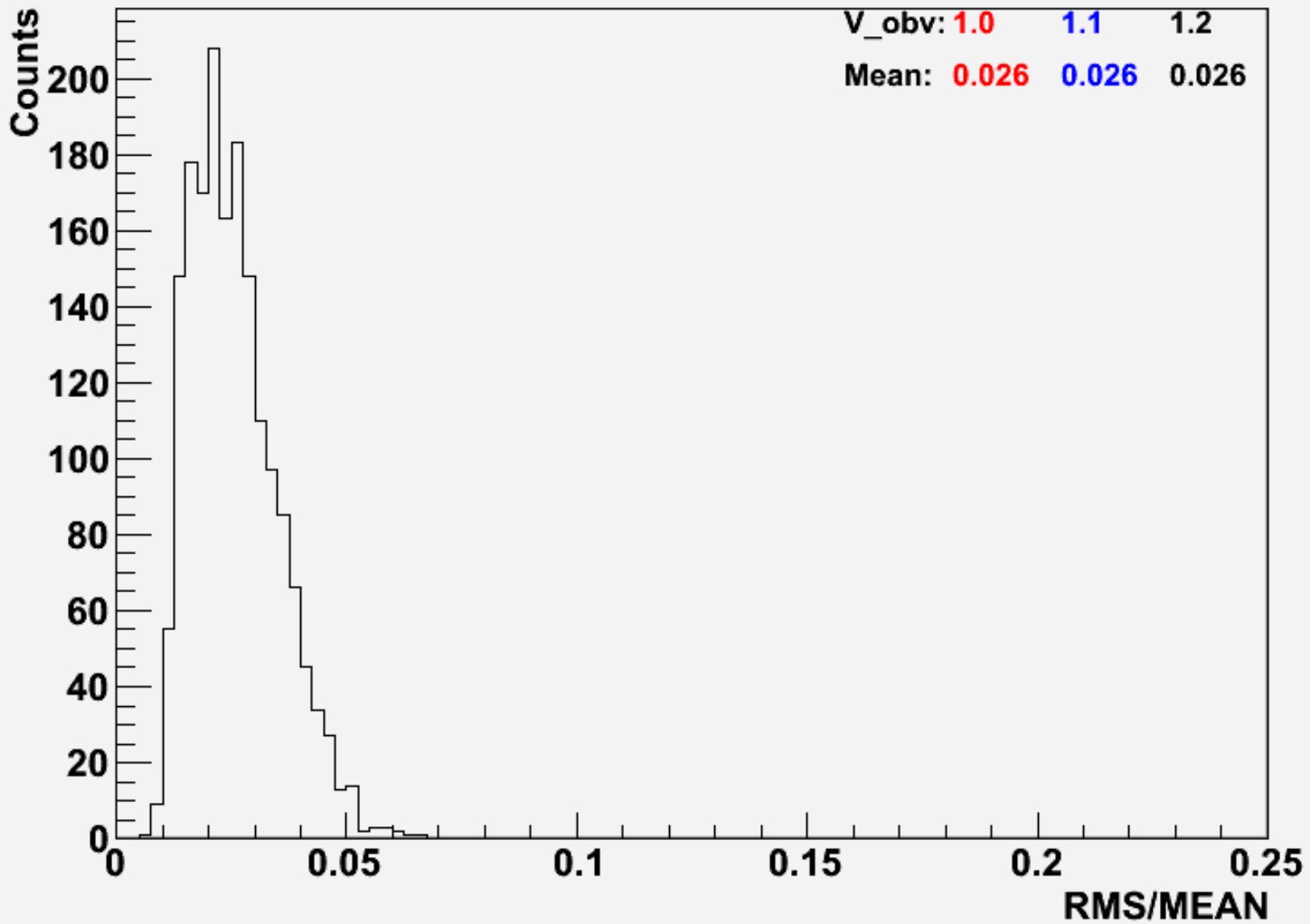
# gain dispersion 7C



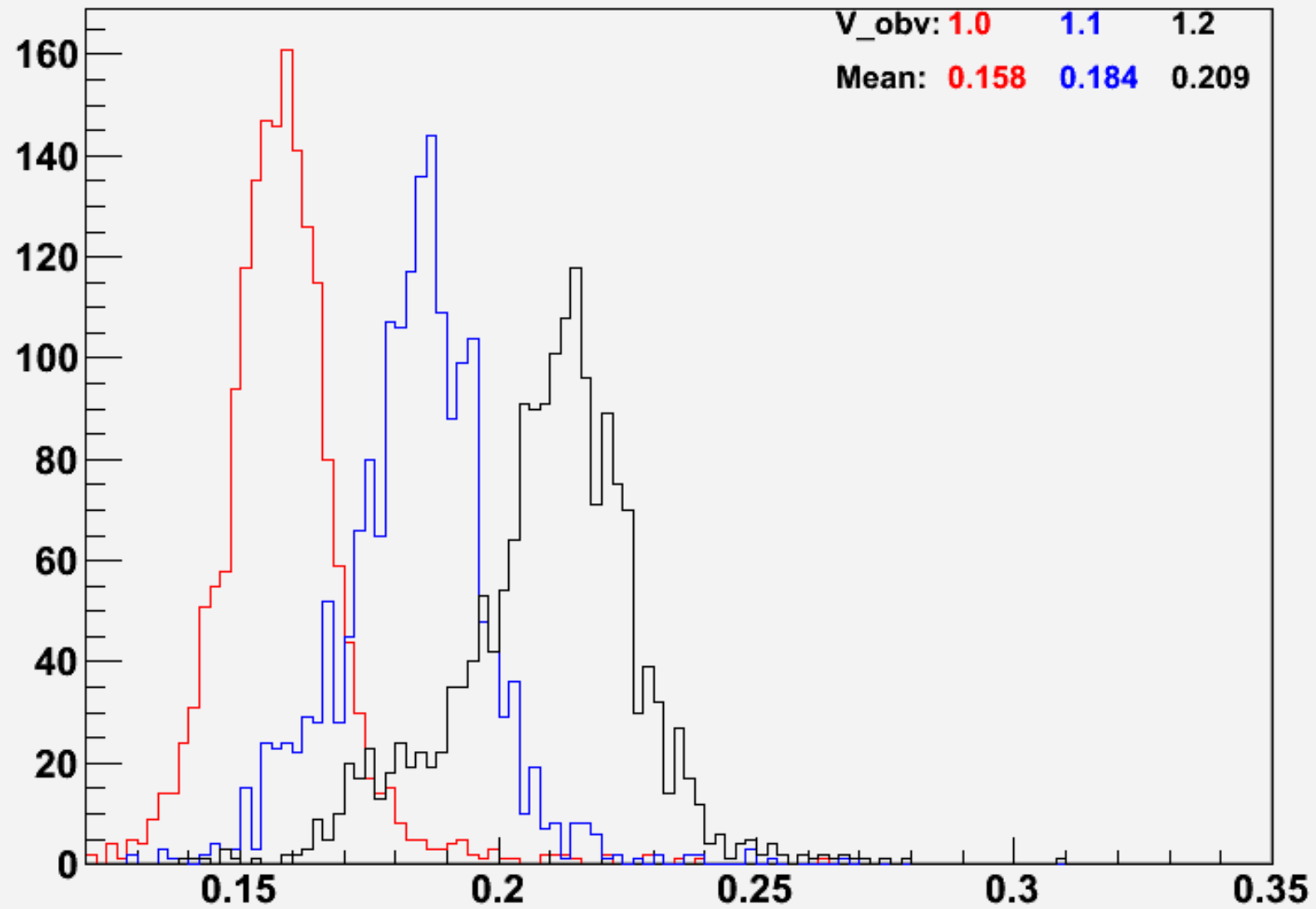
# gain projection 20C



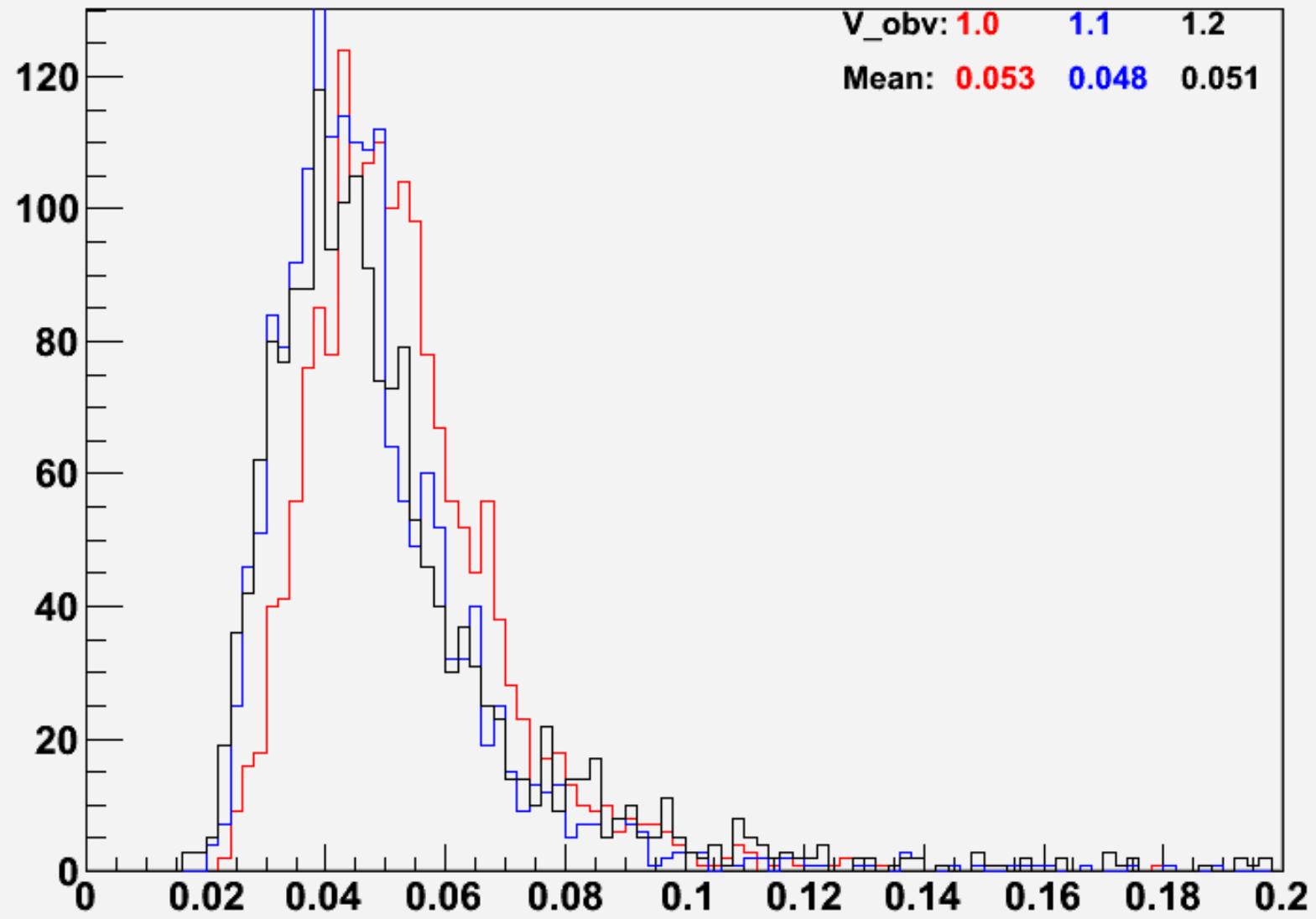
# gain dispersion 20C



# xt projection 5C

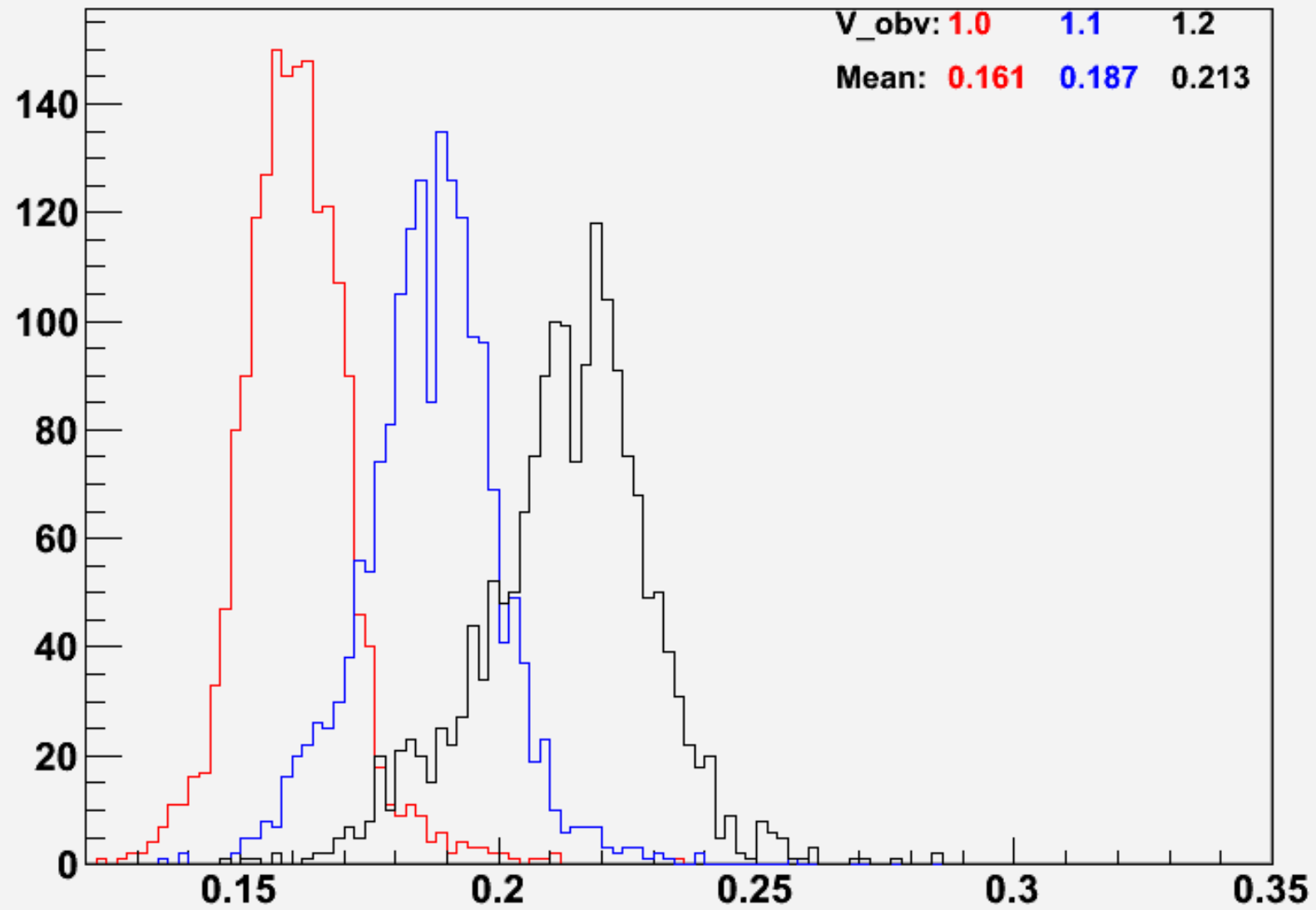


# xt dispersion 5C

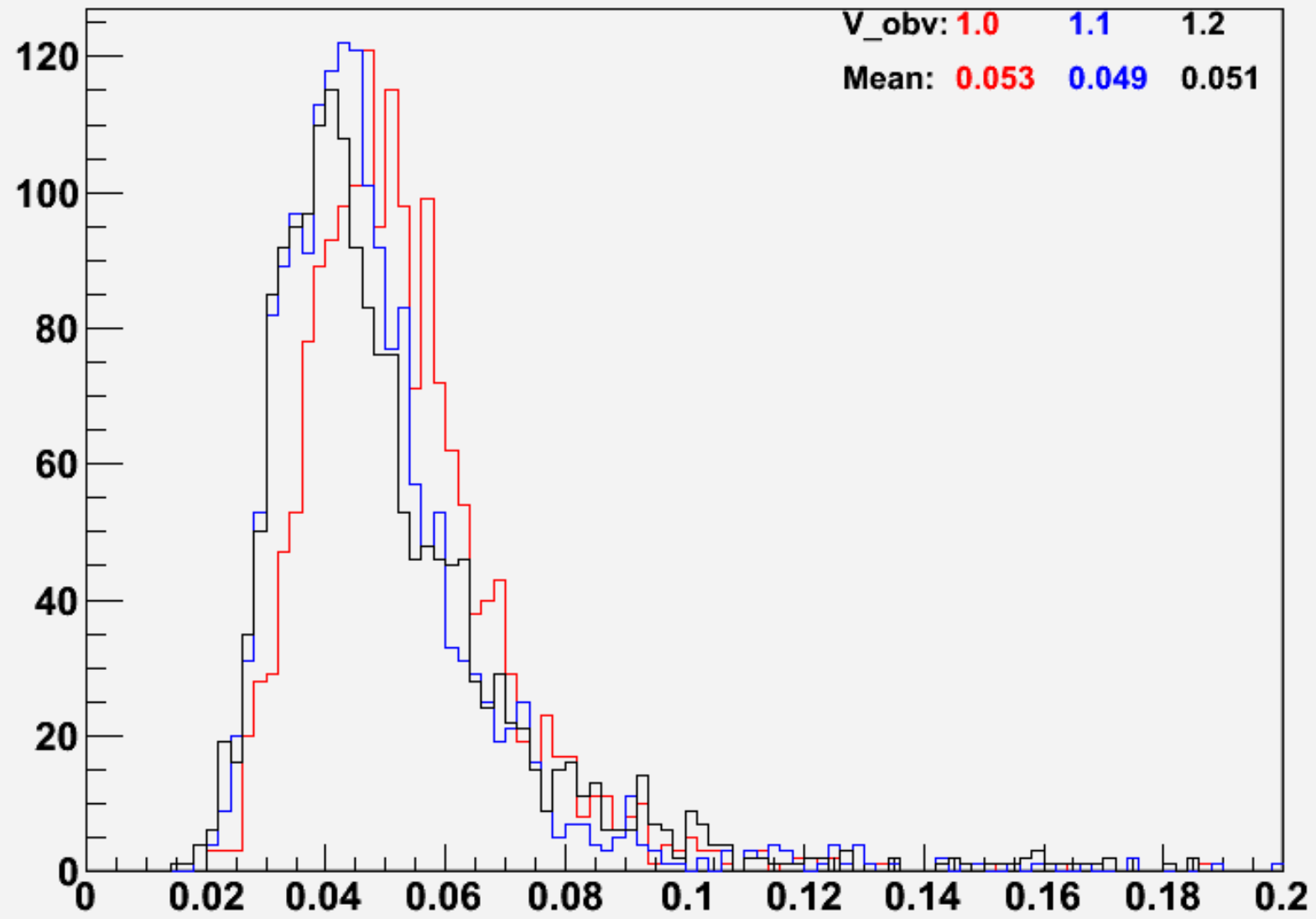




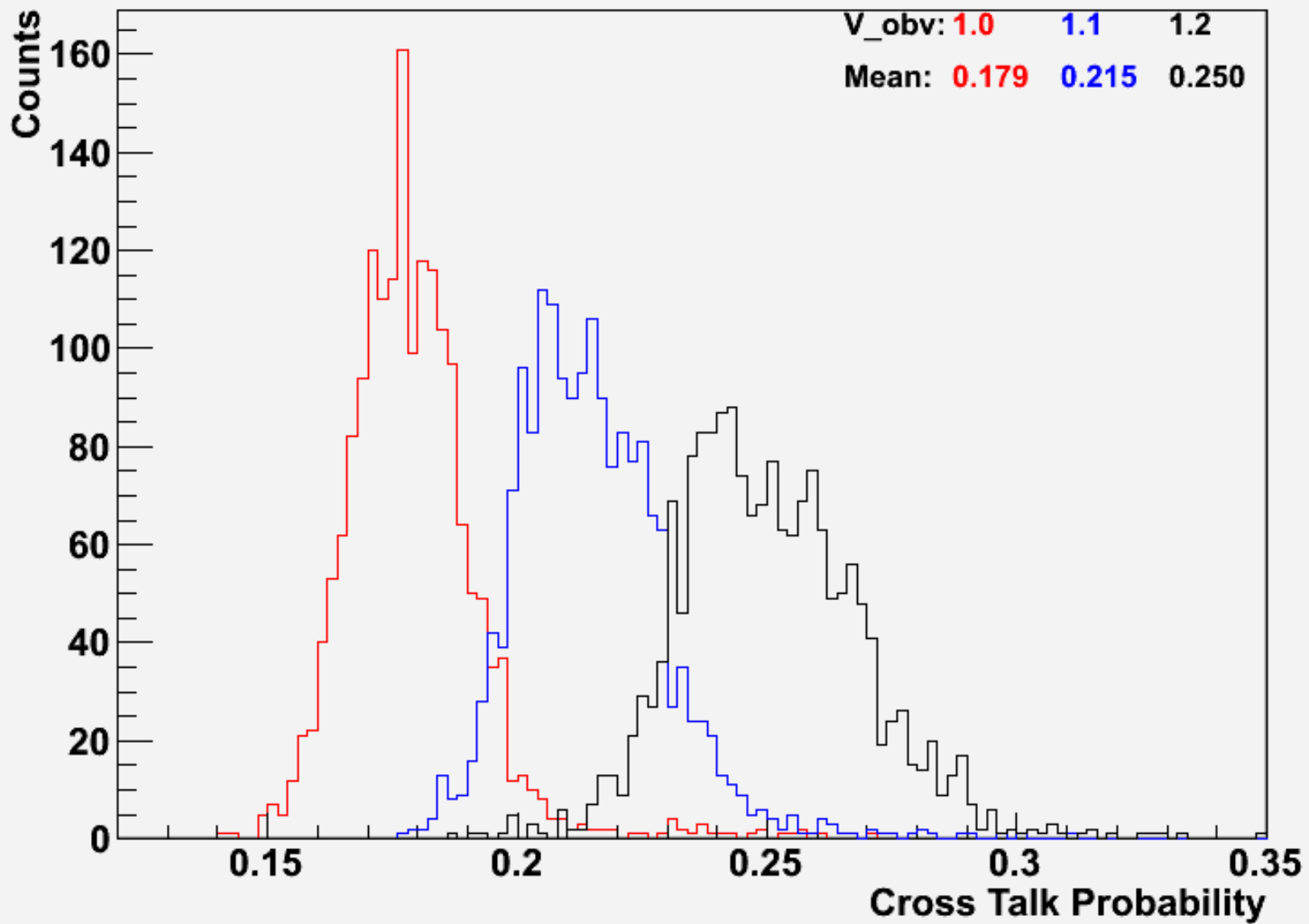
# xt projection 7C



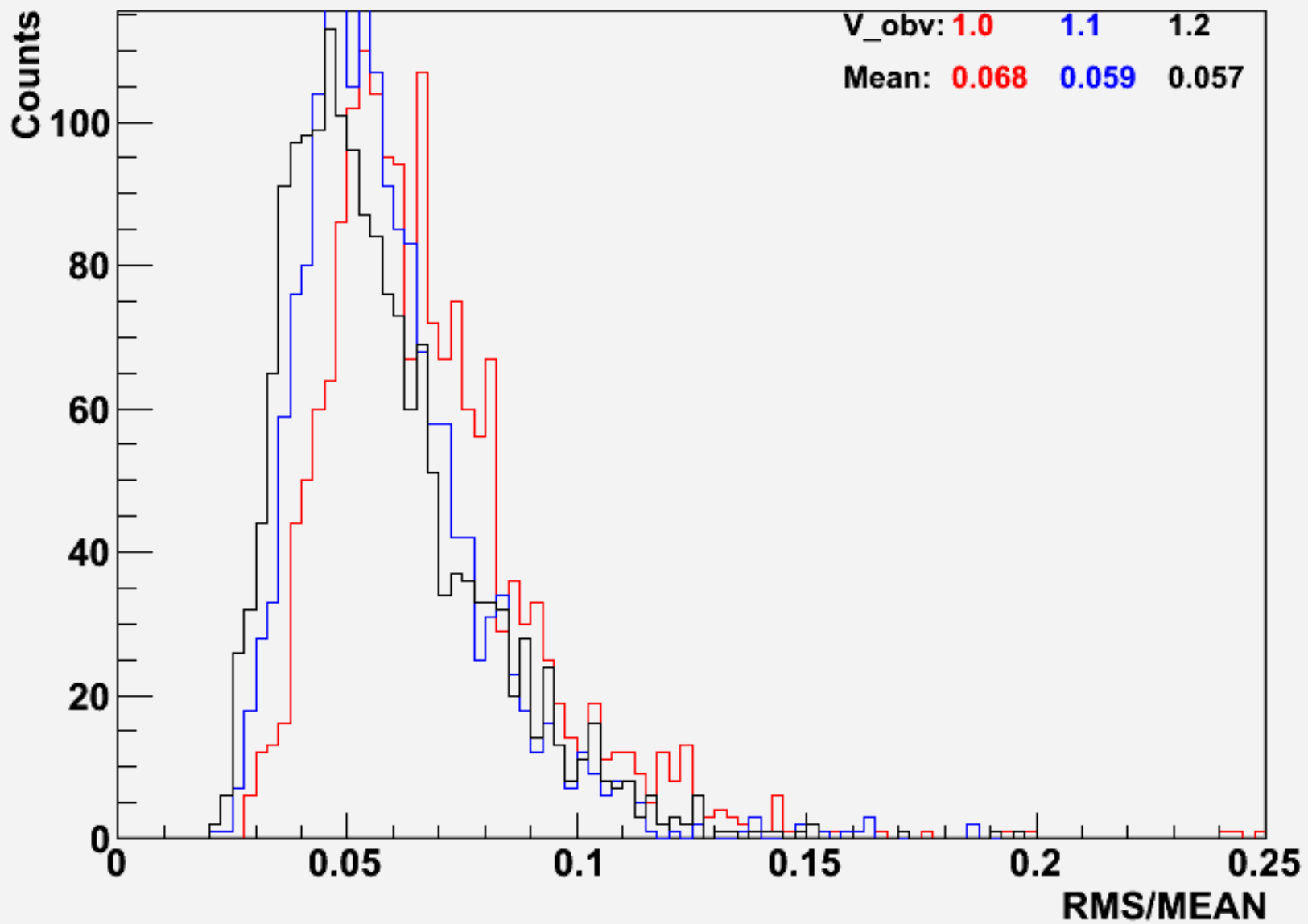
# xt dispersion 7C



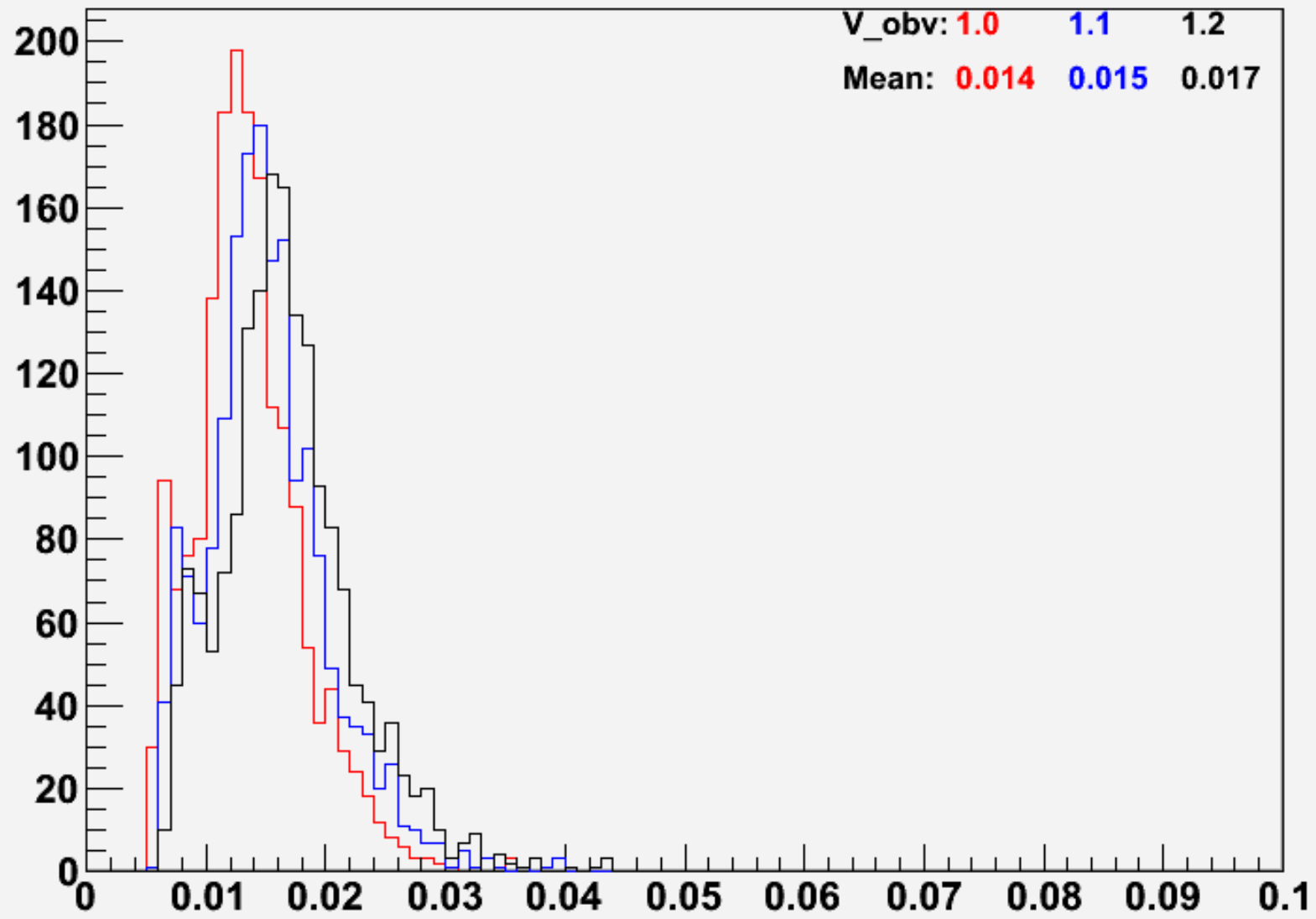
# xt projection 20C



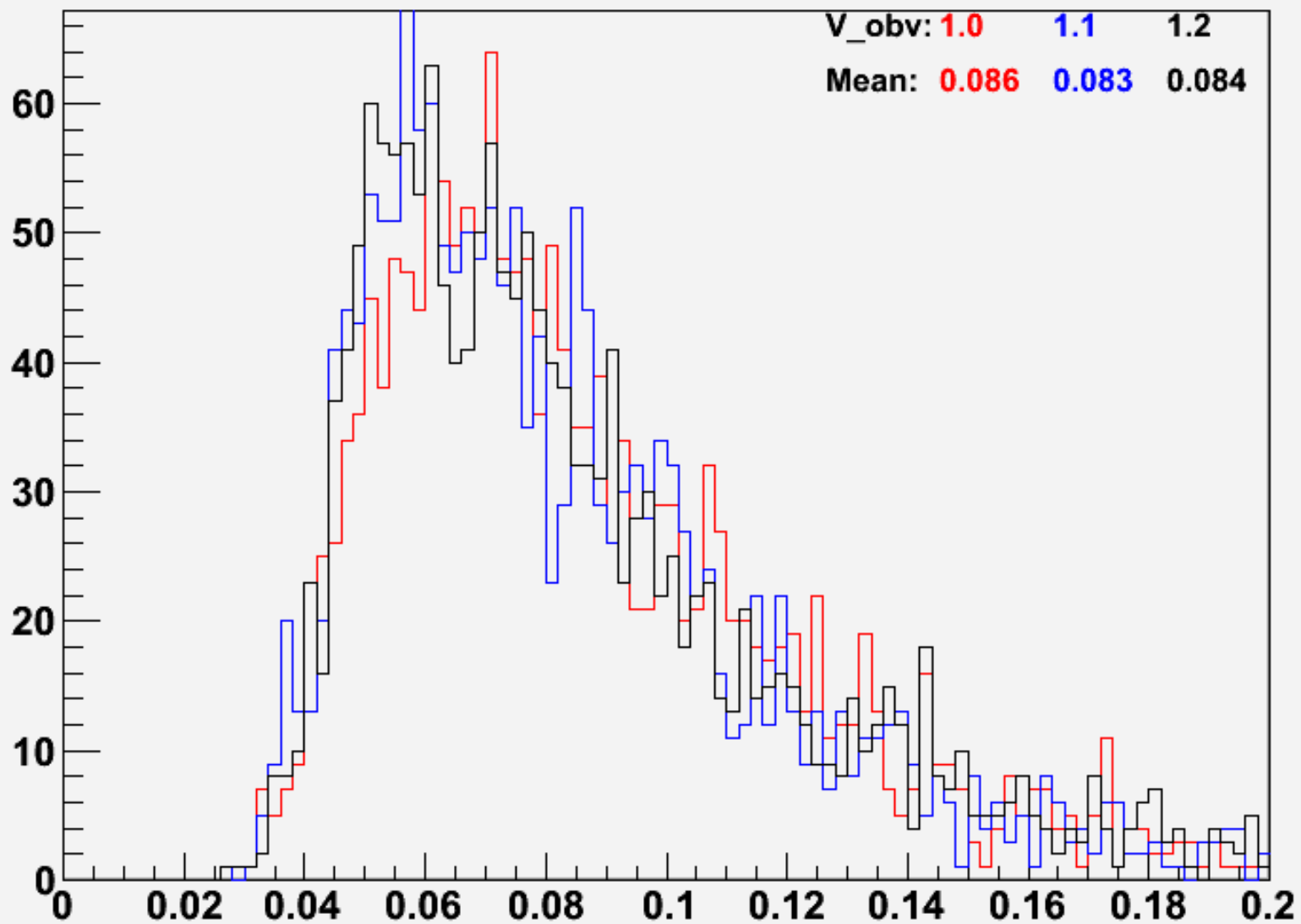
# xt dispersion 20C



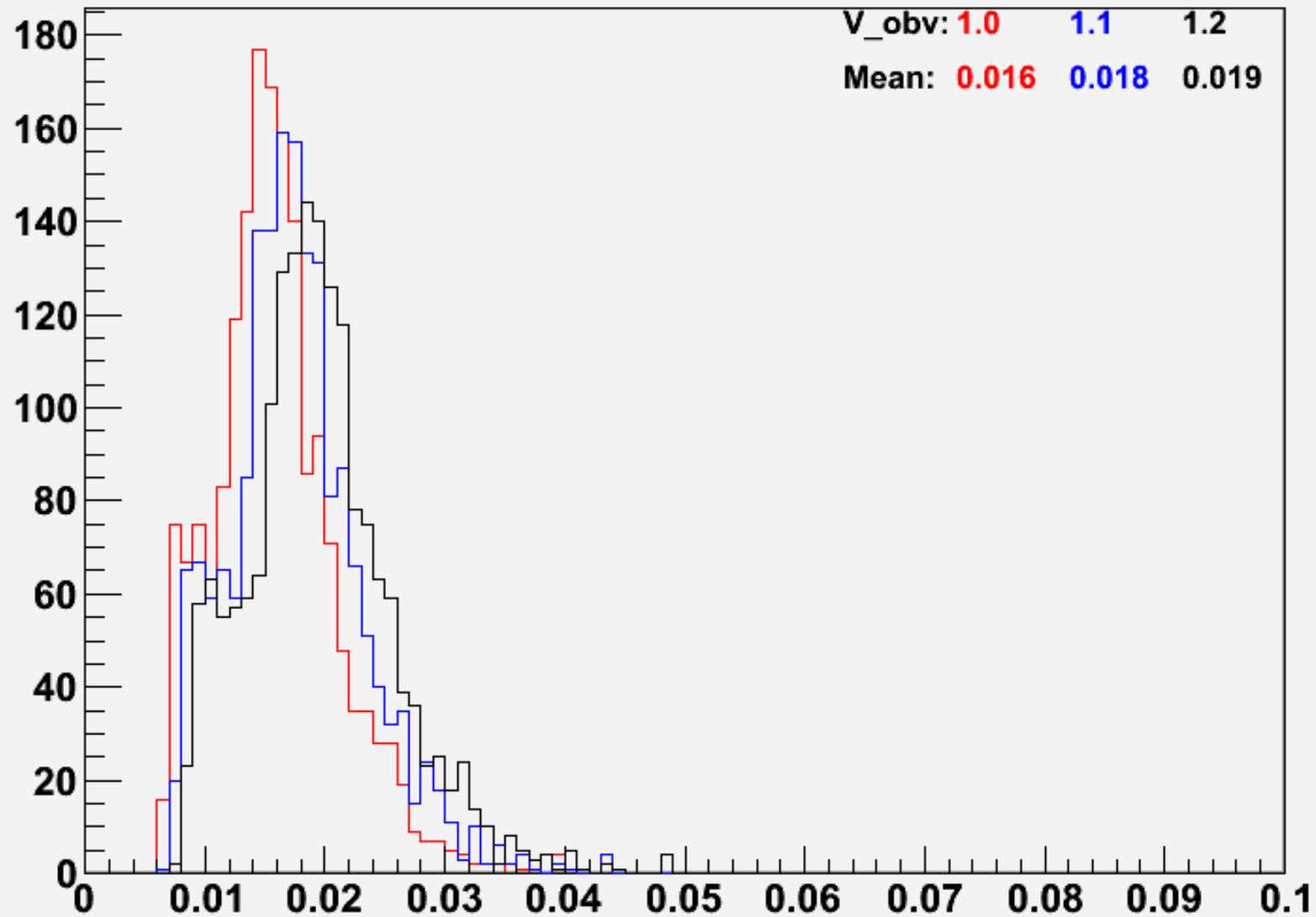
# dark rate projection 5C



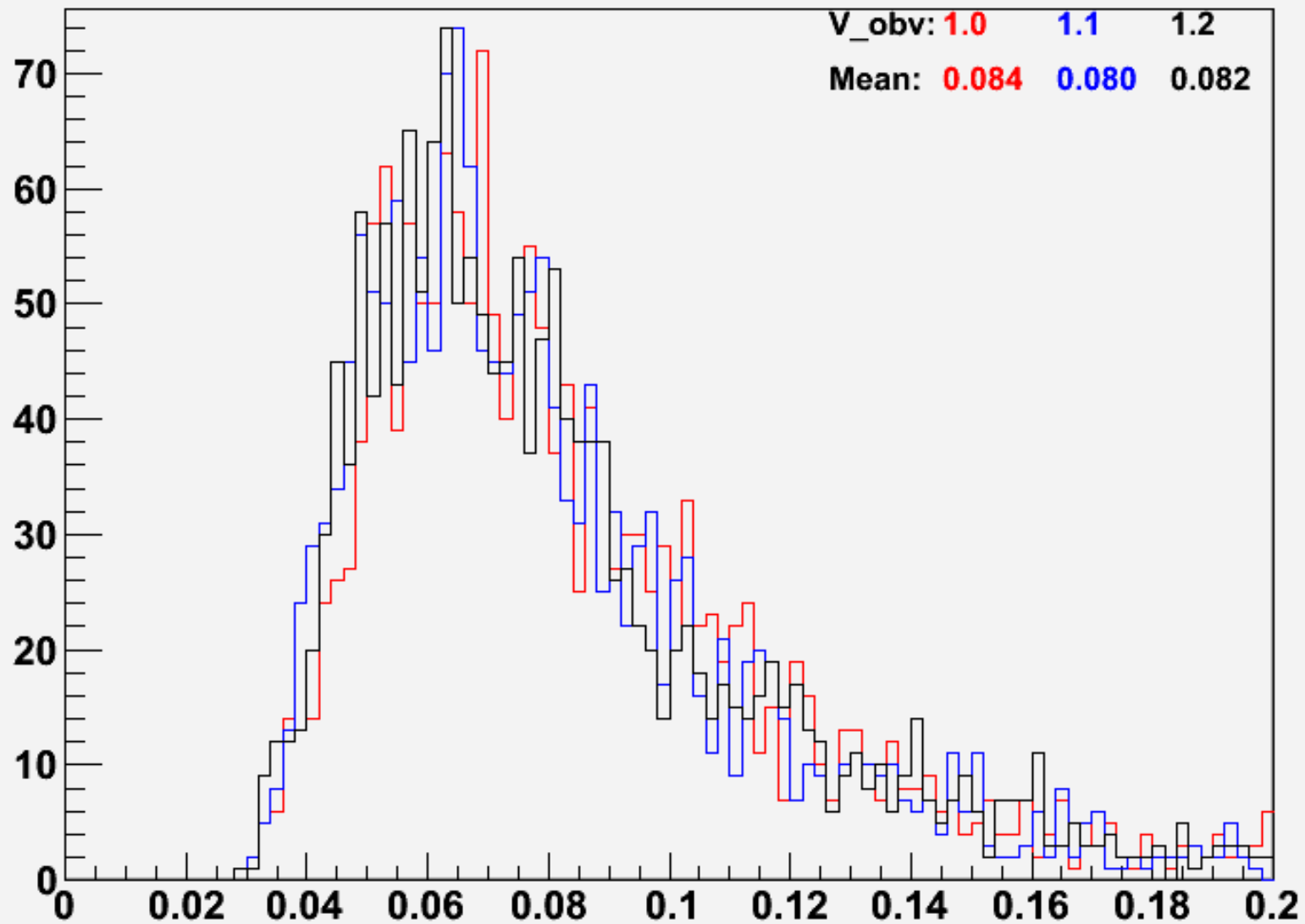
# dark rate dispersion 5C



# dark rate projection 7C

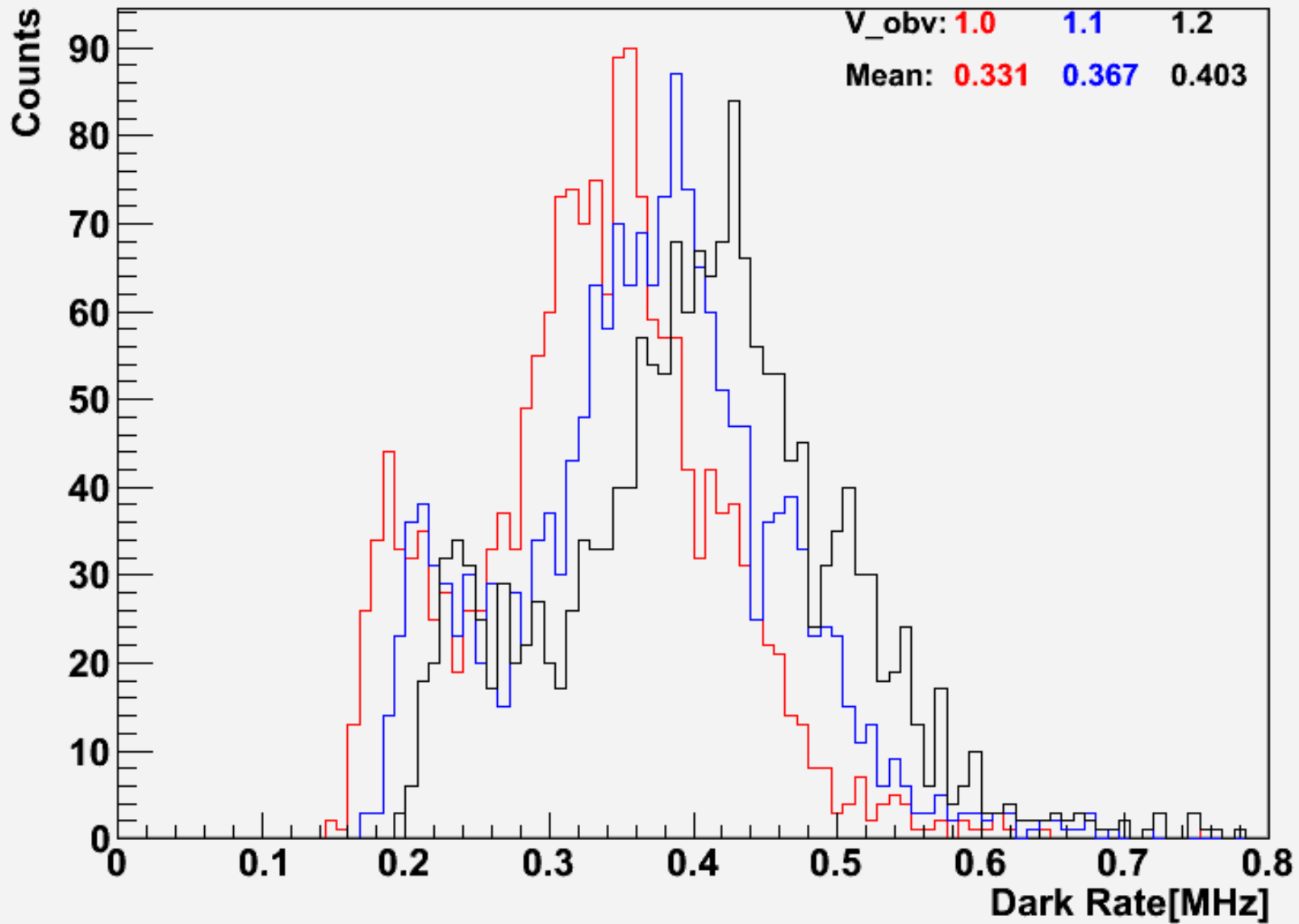


# dark rate dispersion 7C





# dark rate projection 20C



# dark rate dispersion 20C

