We took 250 readings of the GM Counter at 10s operating at $825V$. We then plotted a histogram and then plot a gaussian using the average and standard deviation we obtain from the data. From the data we obtain the mean μ and standard deviation σ using ,

$$\mathbb{E}\left[\widehat{X}\right] = \mu, \qquad \mathbb{E}\left[\left(\widehat{X} - \mu\right)^2\right] = \sigma^2$$

. We obtain $\mu = 71.40$ and $\sigma = 8.53$. We then plot a gaussian function using the obtained mean and standard deviation.

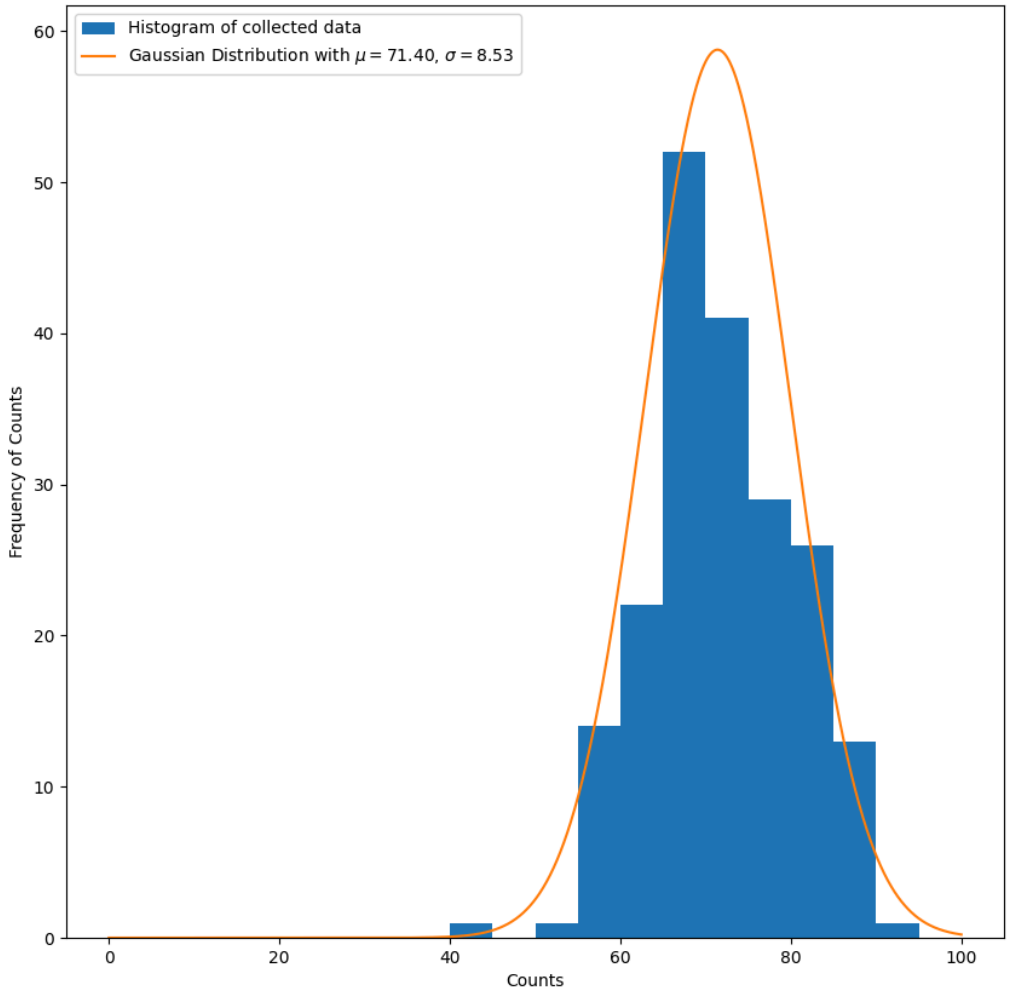

Figure 1: Counting Statistics for the GM counter operating in the GM region, with a gaussian fit