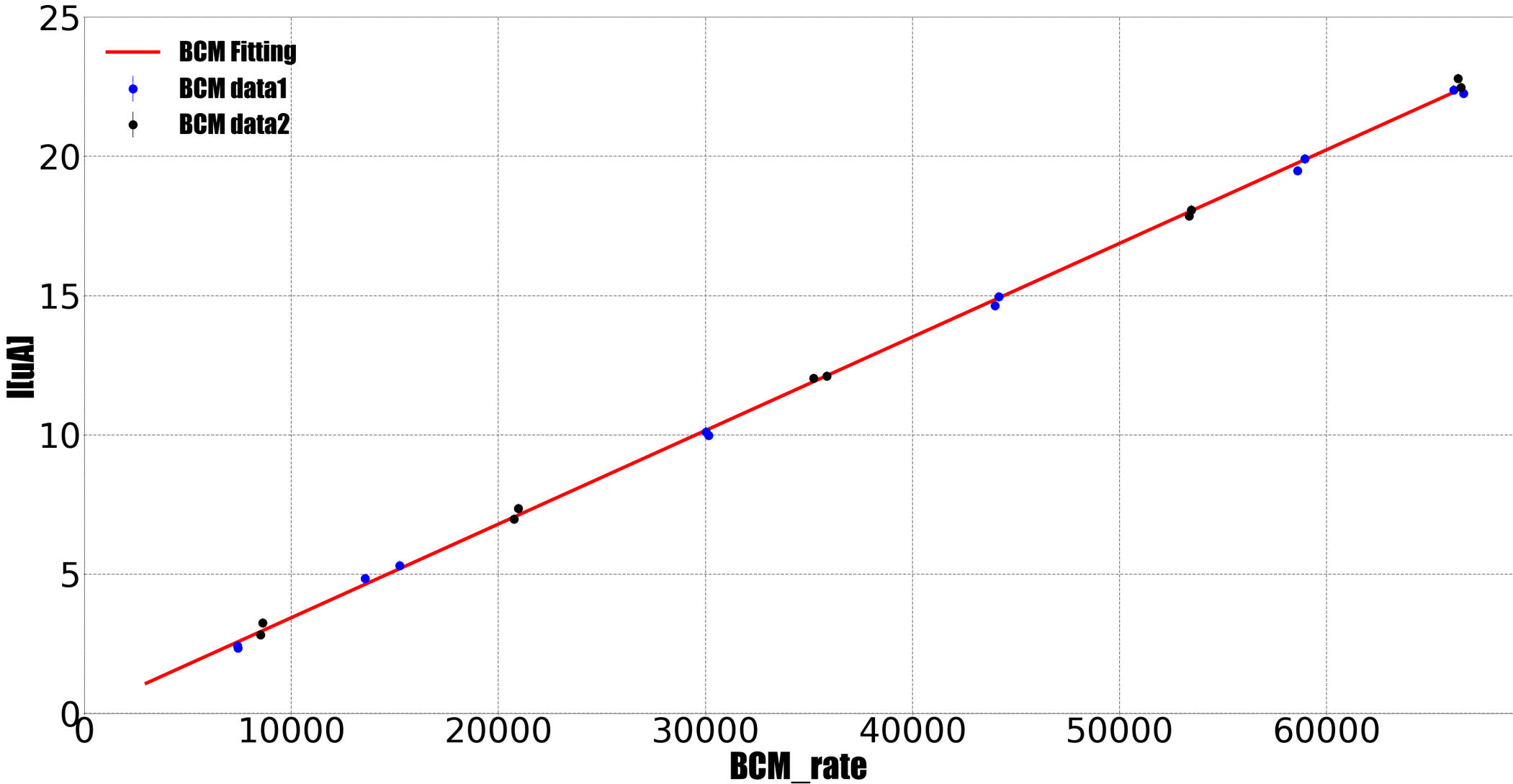


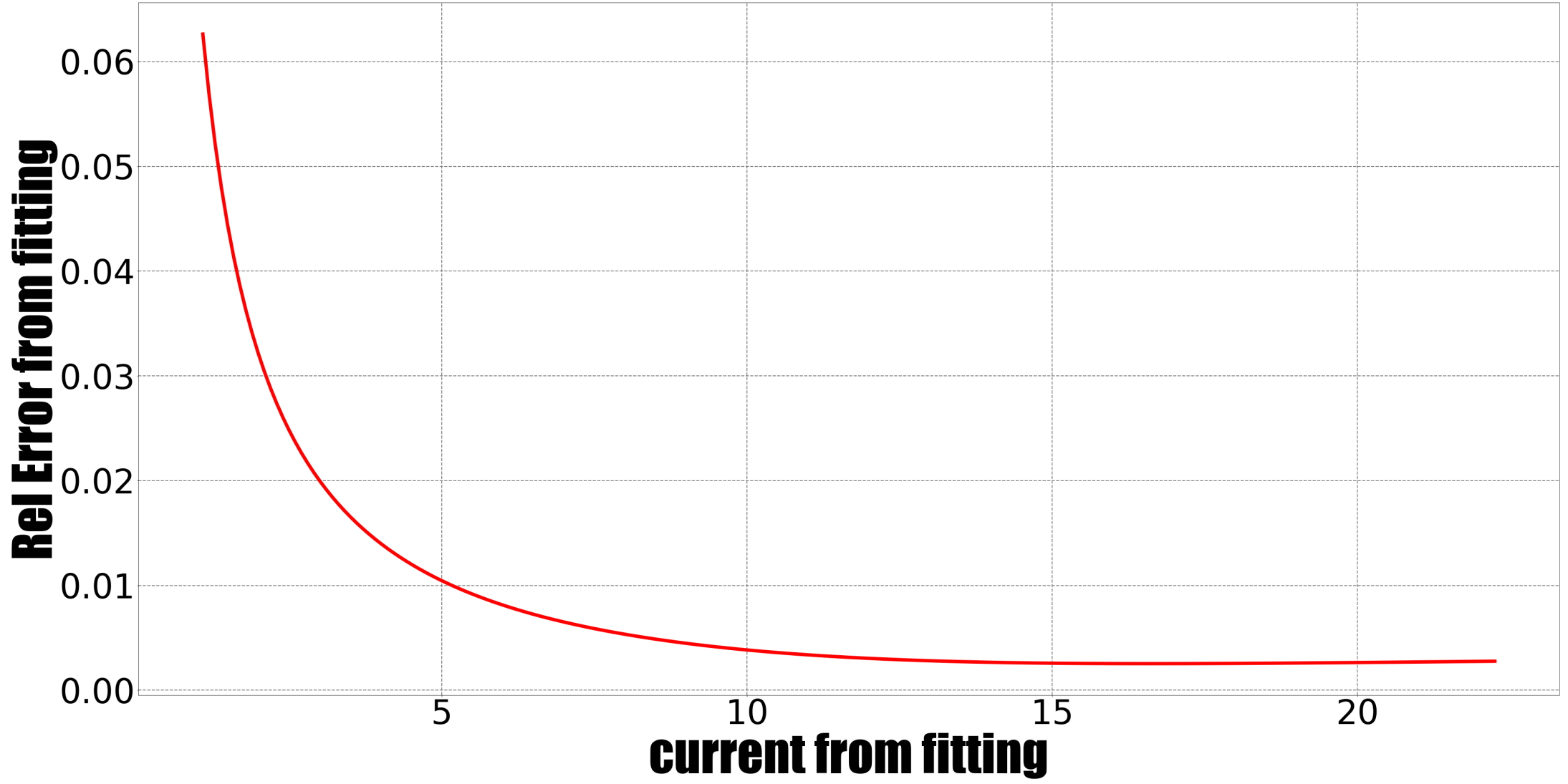
# Some **Update** and **Questions**

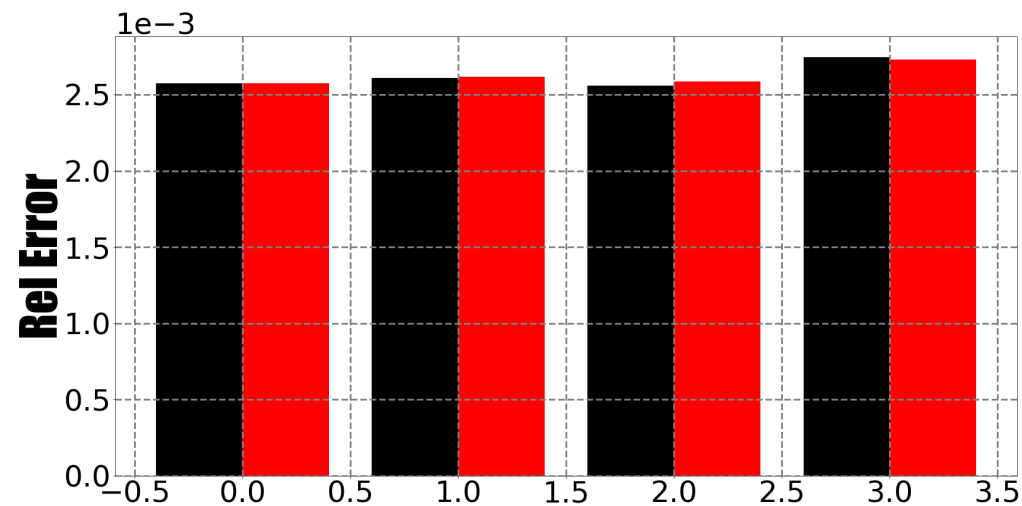
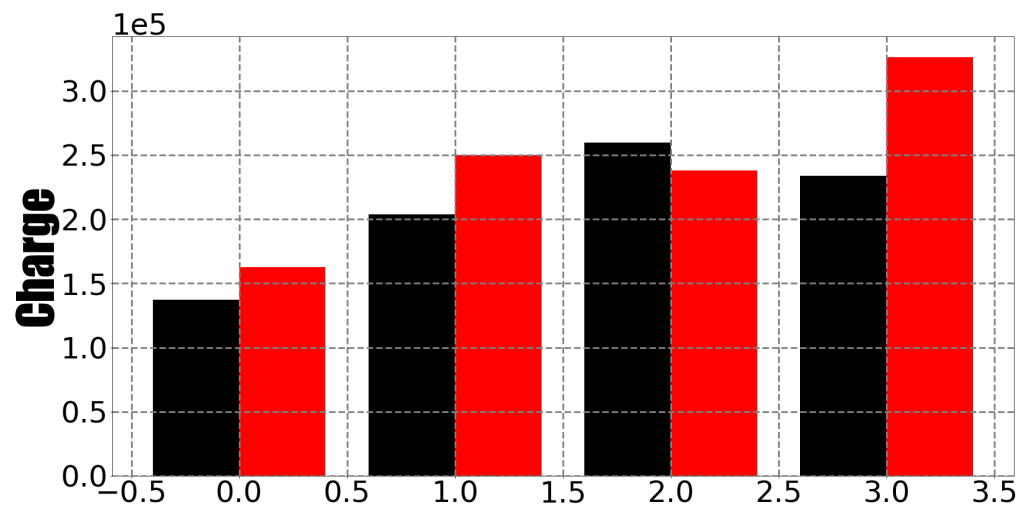
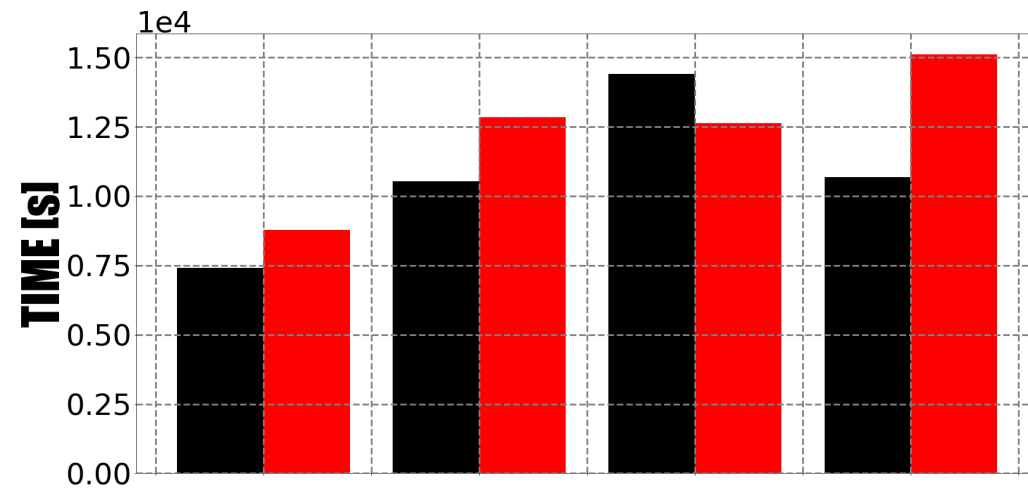
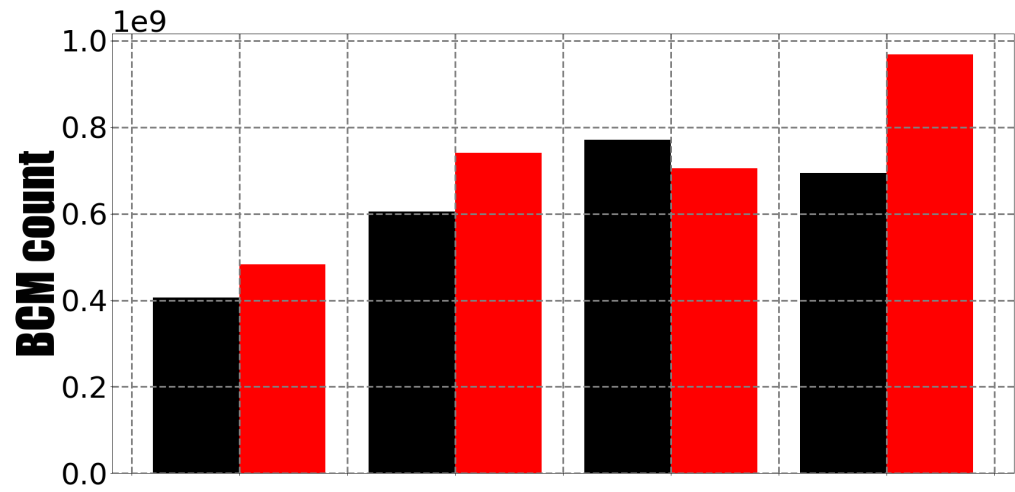
Tong Su

2018/08/30

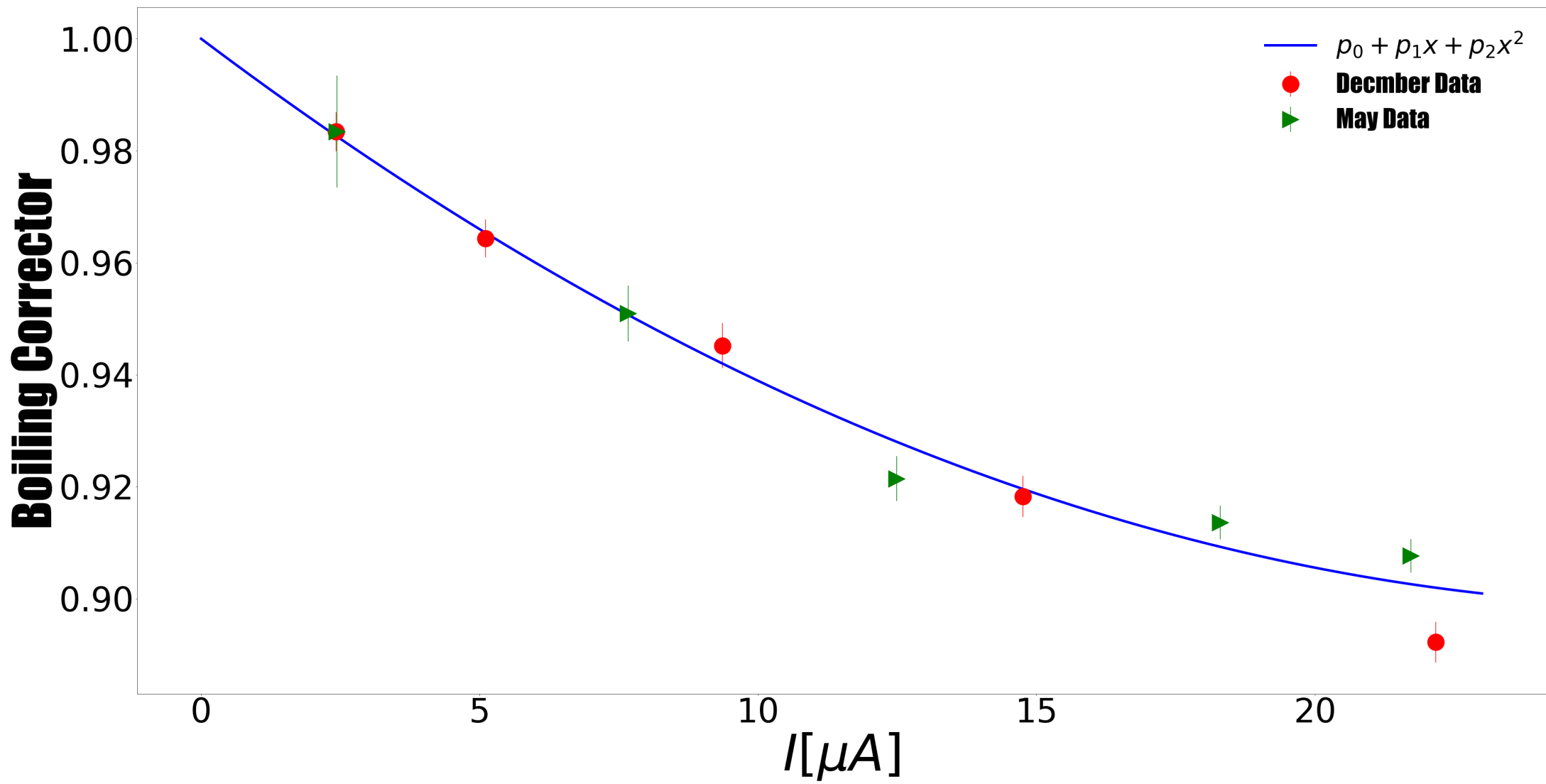
# 2 Set of BCM Calibration Data form Mike



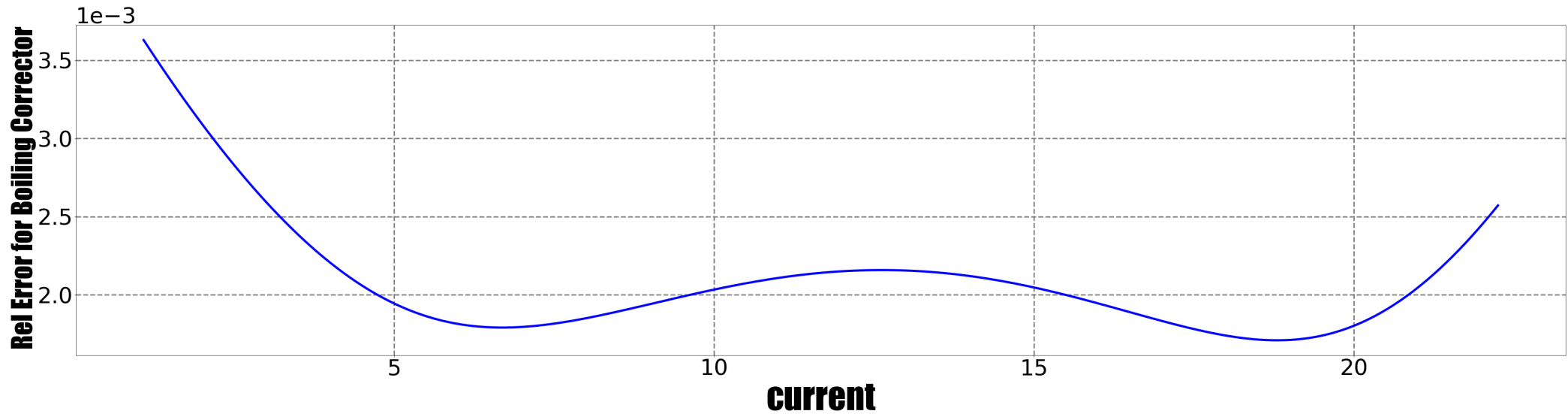
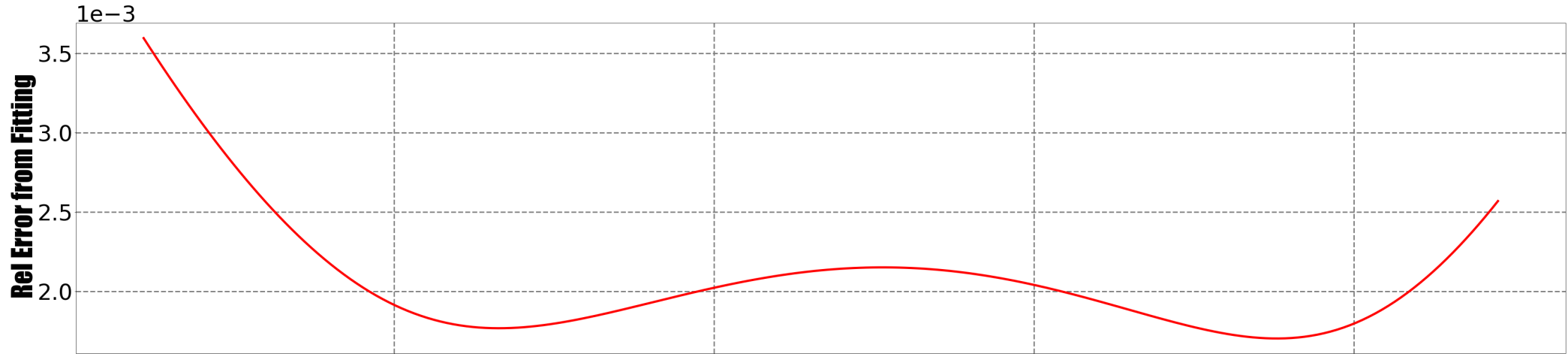




**KIN**

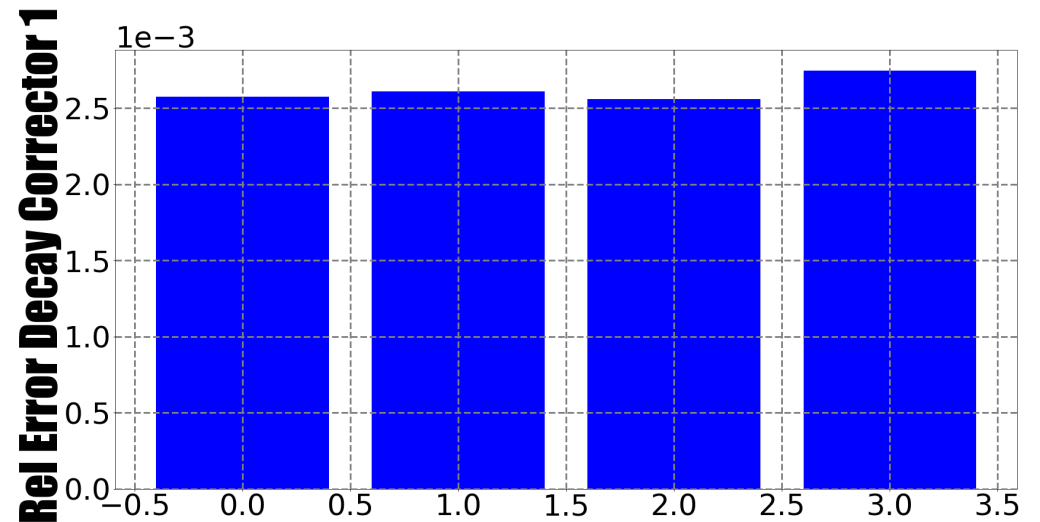
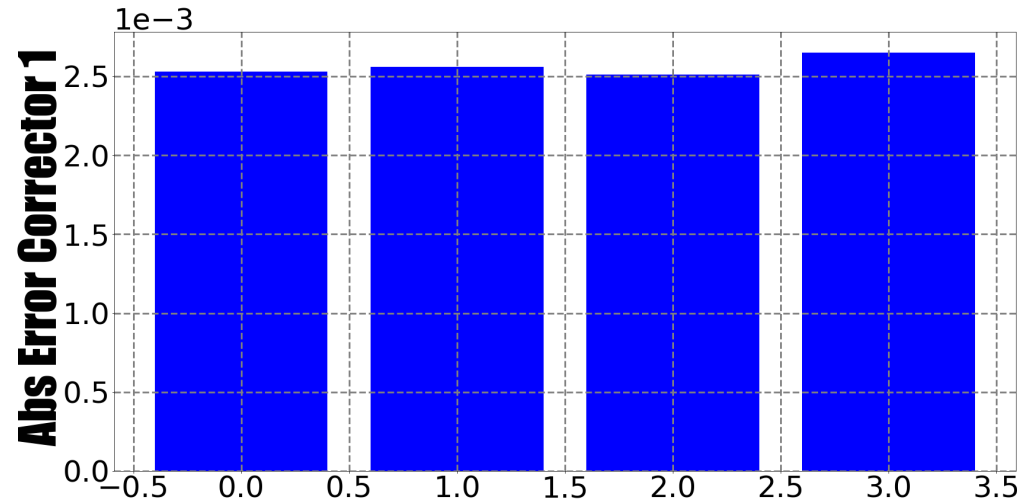
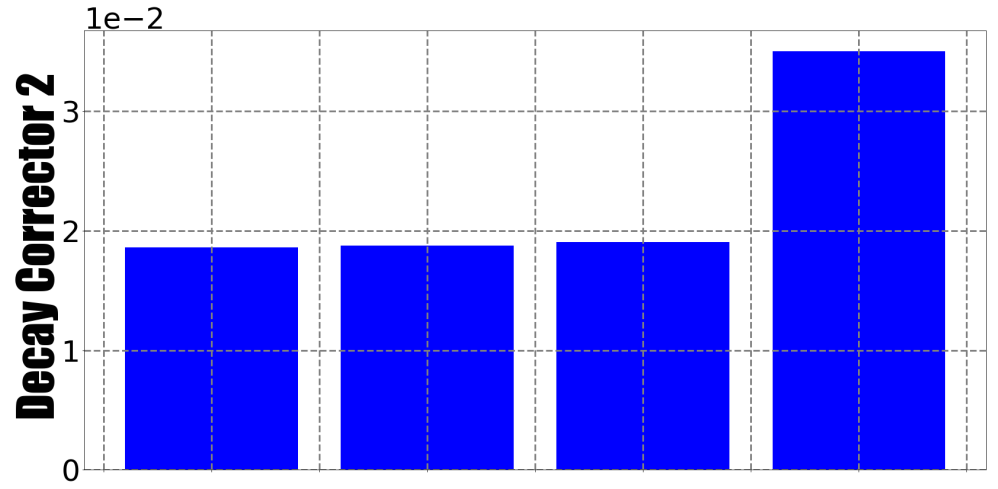
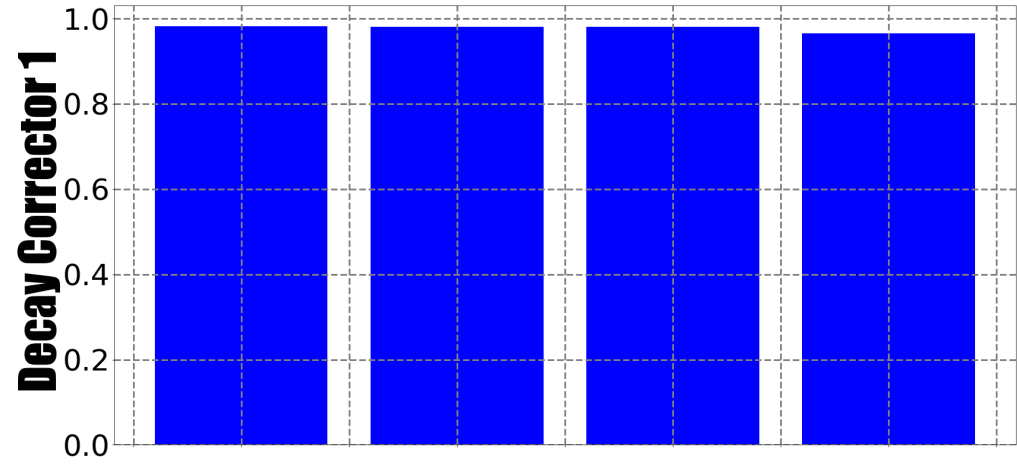


All the study are very very Preliminary Will Check with **Nathaly**'s result later



# According to **Tyler Kutz Study**

- $$\frac{Y_{H3-target}}{Y_{He3}} = \frac{Y_{H3}}{Y_{He3}} * \frac{\sum charge * \beta}{CHARGE} + \frac{\sum(1-\beta)*charge}{CHARGE}$$
- $$corr1 = \frac{\sum charge * \beta}{CHARGE} \quad corr2 = \frac{\sum(1-\beta)*charge}{CHARGE}$$
- **Error from c/beta is around  $10^{-4}$**



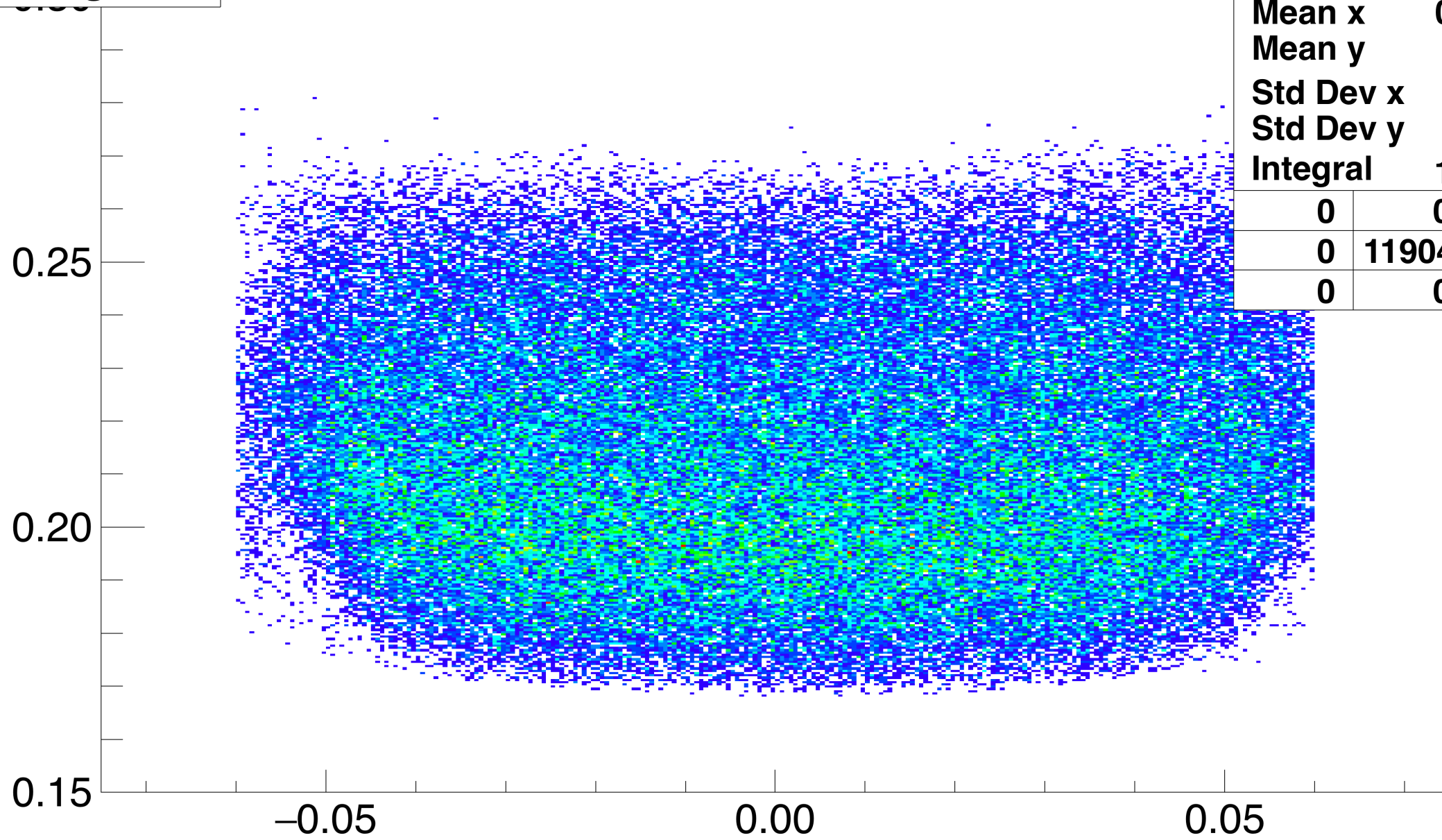
**KIN**



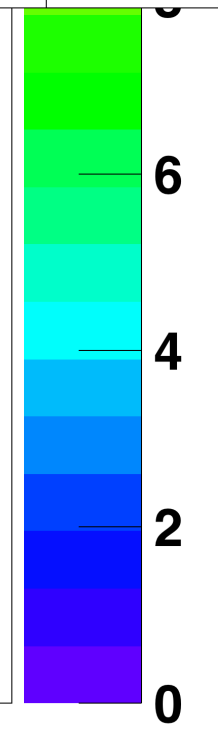
# Some Acceptance study

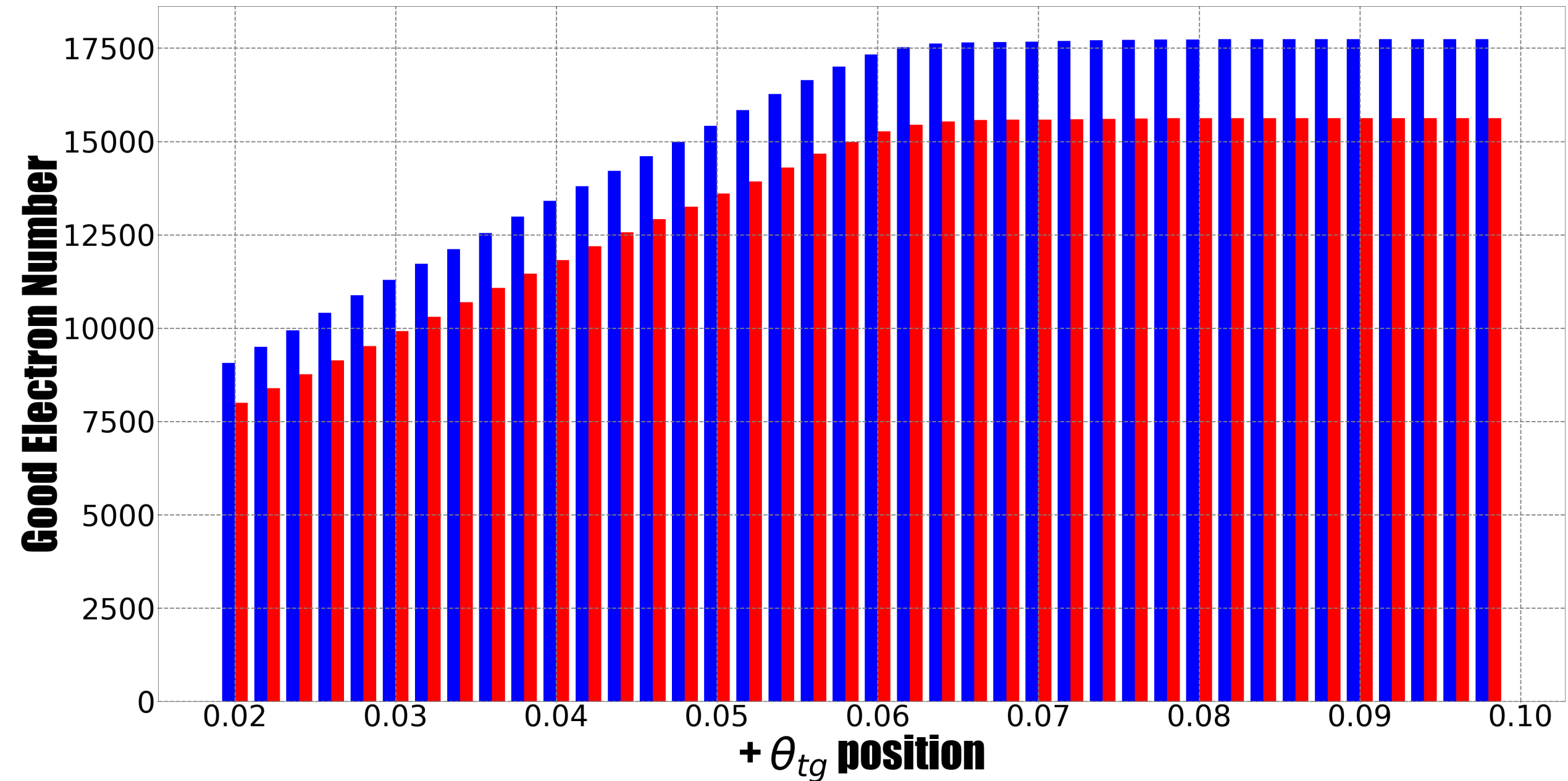
- **Zhihong Ye** Provide a great idea
- start with a tight acceptance cut
- Scan one side of acceptance cut step by step
- Check the H3/He3 ratio

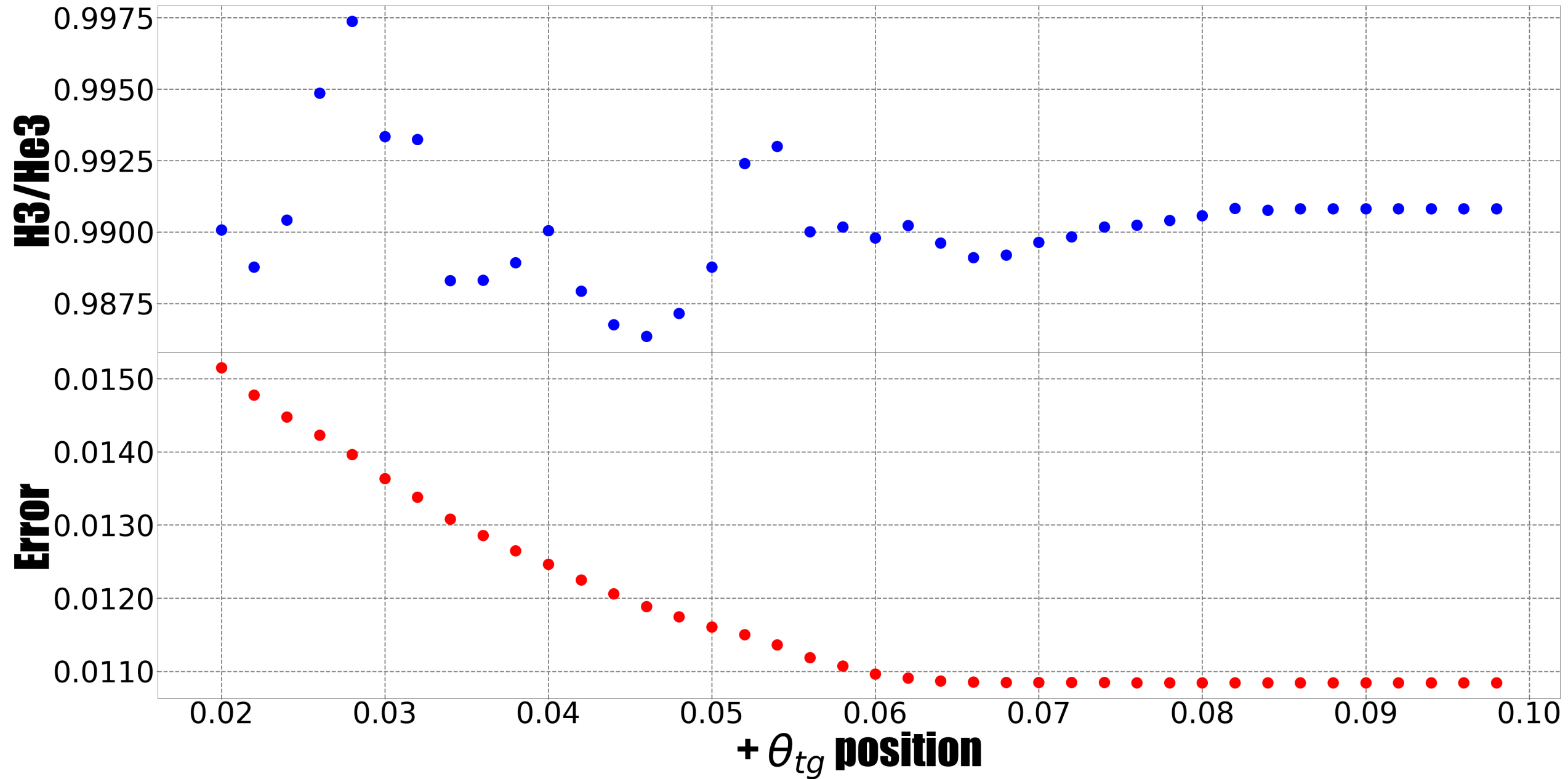
**x\_bj VS tg\_th**



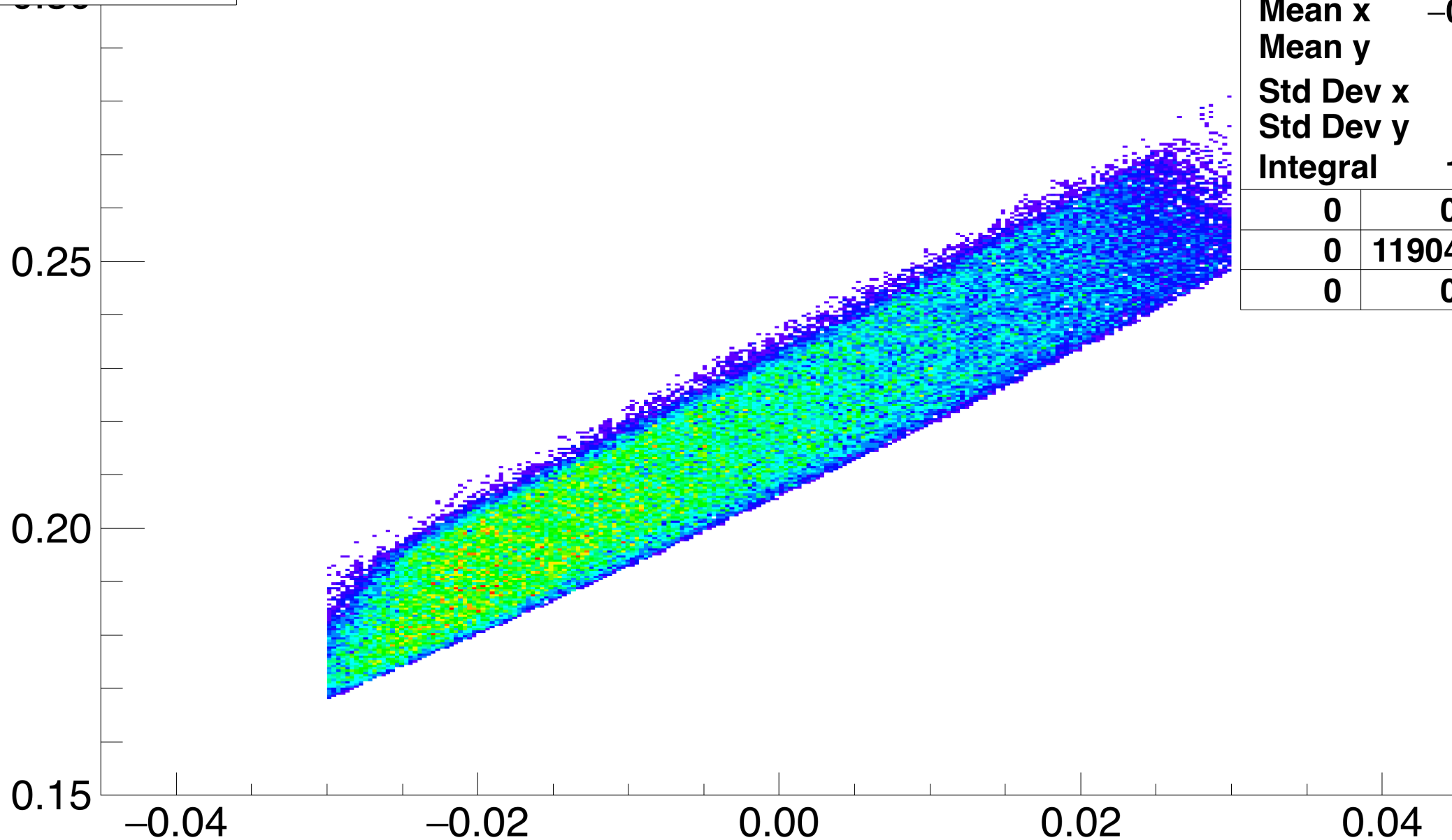
<b>Entries</b>	<b>119041</b>	
<b>Mean x</b>	<b>0.001383</b>	
<b>Mean y</b>	<b>0.214</b>	
<b>Std Dev x</b>	<b>0.03079</b>	
<b>Std Dev y</b>	<b>0.0223</b>	
<b>Integral</b>	<b>1.19e+05</b>	
<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>119041</b>	<b>0</b>
<b>0</b>	<b>0</b>	<b>0</b>



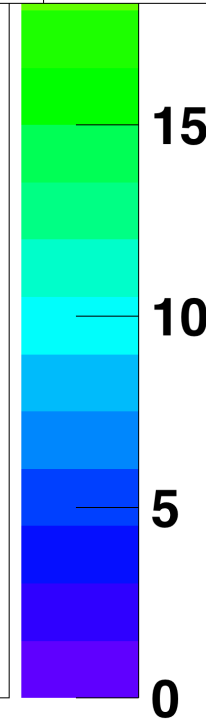




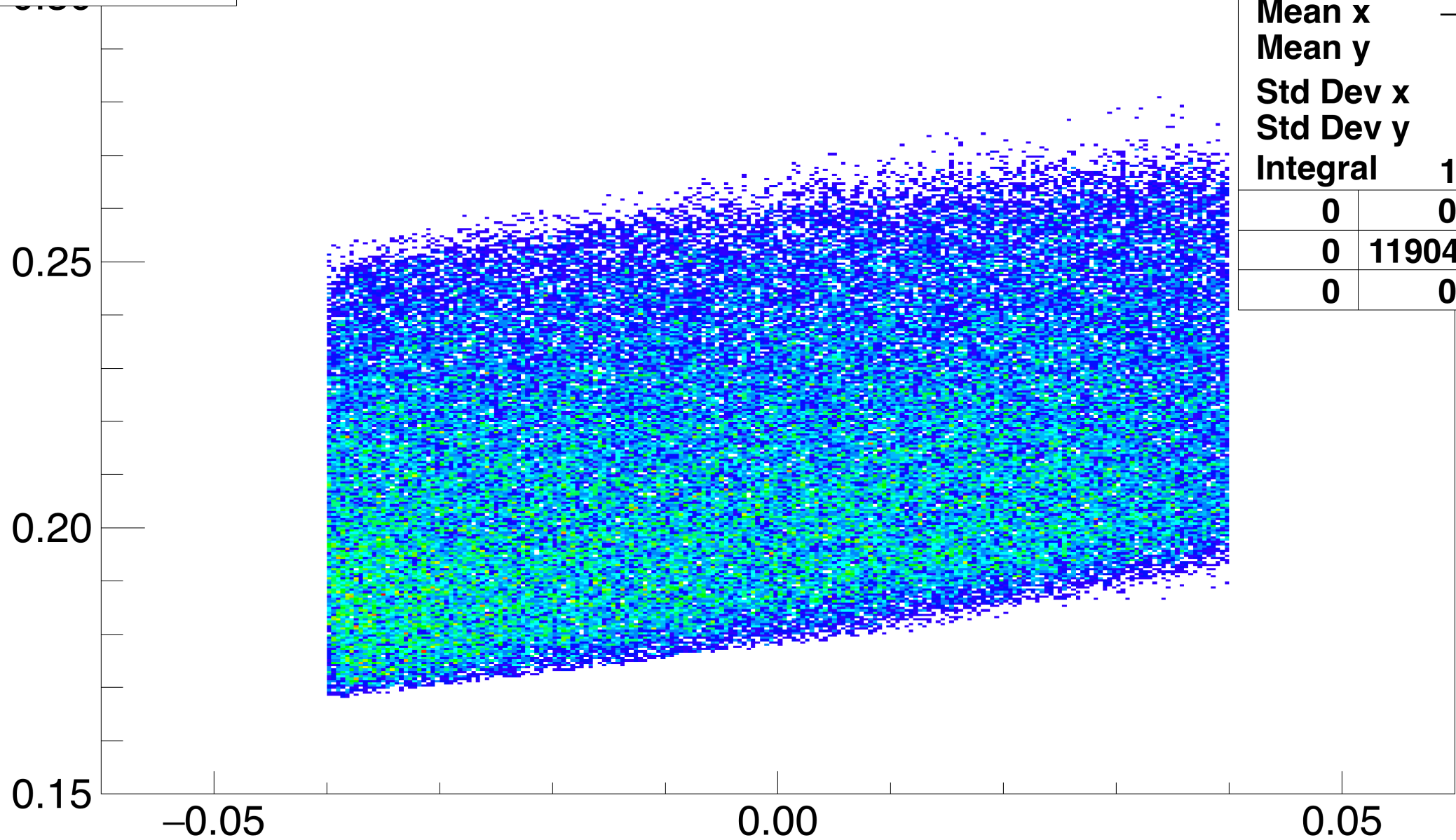
**x\_bj VS tg\_ph**



<b>Entries</b>	<b>119041</b>	
<b>Mean x</b>	<b>-0.004268</b>	
<b>Mean y</b>	<b>0.214</b>	
<b>Std Dev x</b>	<b>0.01511</b>	
<b>Std Dev y</b>	<b>0.0223</b>	
<b>Integral</b>	<b>1.19e+05</b>	
<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>119041</b>	<b>0</b>
<b>0</b>	<b>0</b>	<b>0</b>



**x\_bj VS tg\_dp**



<b>Entries</b>	<b>119041</b>	
<b>Mean x</b>	<b>-0.00252</b>	
<b>Mean y</b>	<b>0.214</b>	
<b>Std Dev x</b>	<b>0.02278</b>	
<b>Std Dev y</b>	<b>0.0223</b>	
<b>Integral</b>	<b>1.19e+05</b>	
<b>0</b>	<b>0</b>	<b>0</b>
<b>0</b>	<b>119041</b>	<b>0</b>
<b>0</b>	<b>0</b>	<b>0</b>

