

$$\text{Charge Ratio} = \frac{aX1 + bY1}{aX2 + bY2}$$

$$= \frac{\frac{a}{b}X1 + Y1}{\frac{a}{b}X2 + Y2} = \frac{X1}{X2} + \frac{\frac{Y1}{Y2} - \frac{X1}{X2}}{\frac{a}{b} \frac{X2}{Y2} + 1} = \text{CORR1} + \text{CORR2}$$

- a: BCM gain
- b: BCM offset
- X1,X2 : BCM count
- Y2,Y1 :Time count
- CORR2/CORR1<10⁻⁵