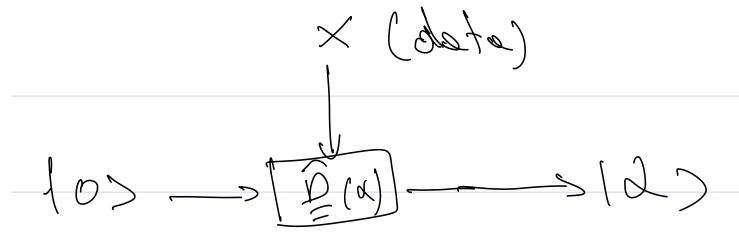
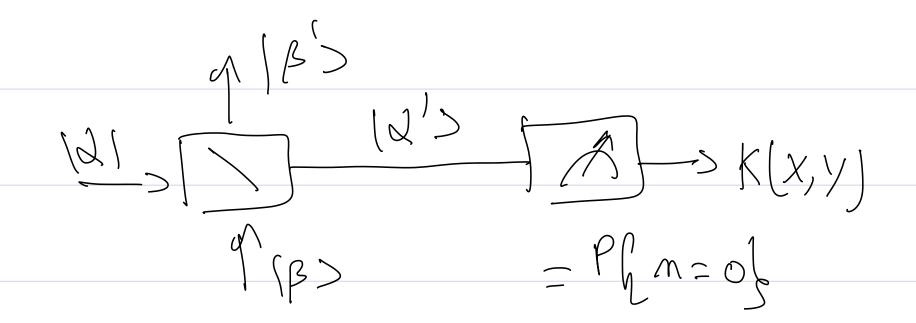
for coherent state $|\langle \alpha | \beta \rangle|^2 = -|\alpha - \beta|^2$ recoll! $|X\rangle = P(x)|0\rangle = e^{\frac{1}{2}|x|^2} \sum_{m} \int_{m}^{m} |m\rangle$ (1m) mumber states) $P_{\eta} = 0 = h_{\eta} = 0 > 0$ $= |\chi|^{2}$ $= |\chi|^{2}$

_> Zero-particle event _> computing Coursion fenctions -> Scealor product Lo mix 2 Coursian States with a bean splitter (d) d (s) con he mixed with 50:50 been splitter to movide yet onether coherent States (X) & IRS

$$\beta'$$
 - $\sqrt{2}$ $(d+\beta)$

measure
$$P_{1}m=0$$
 on $[d]$
 $P_{1}m=0$ $= [d]^{2}$
 $= \frac{1}{2}[d-\beta]^{2}$





- photon couting with Cherent Loser beams -> computes the scalar Moduct Cram matrix -> loop over the datuset