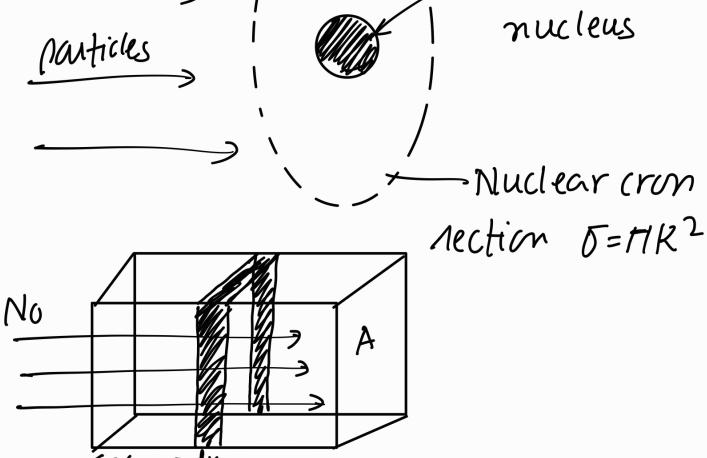
N(x) = No. of incident poutriles at distance x Decrease in no of incident dN = pouticles (= number & interaction) nuclear reactions) DE Nuclear Cron rection Incident Target nucleus



N(x) at XN(x)-dN at X+dx n = number demity No. 2 taget nuclei in dx = n A dxArea of cron rection = n Adx 5 No. of interactions Total maident pouticles = TAN nuclear C.s Ara of 1.5 of slab

 $\frac{\partial \int dN}{N} = \frac{n d A}{A} - \frac{n d dx}{A}$ 1 - indicates charge in no. f particles is -ue. $\frac{|nN| = -n t x}{N_0}$ = -n t x -n t x = -n t xparticles that survives

a dist X