



$$\frac{dN_l}{dx} = n_s \int_0^\infty P_l(r) 2\pi r \, dr = n_s \sigma$$

$$P_l(r) = \lambda \sum_{\nu=3}^{\infty} \frac{[\mathcal{N}(r)]^{\nu}}{\nu!} \exp[-\mathcal{N}(r)]$$

$$-\ln F = \alpha d + \beta d^2;$$

$$\Pi_{\text{surv}} = e^{-Y_l}$$