Baryon n°	$B = \frac{1}{3}(N(q) - N(\bar{q}))$
Heisenberg Uncertainty principle	$\Delta x \, \Delta p \geqslant \hbar/2$
	$\Delta E \, \Delta t \geqslant \hbar/2$
N° particles	$\delta N = -N \lambda \, \delta t$
	$\frac{dN}{dt} = N \lambda$
	$N = N_0 \, e^{-\lambda t}$
Half life	$e^{-\lambda s} = 1/2$
	$t_{1/2} = \frac{\ln(2)}{\lambda}$
Mean life	$1/\lambda$
Planck { length	$\left(\frac{G\hbar}{c^3}\right)^{1/2} \sim 10^{-55} \, m$
{ gravity	$\left(\frac{\hbar c^3}{G}\right) \sim 10^{19} \, GeV$
Initial activity	λN_0
< activity >	$A = \frac{N_0/2}{\ln(2)/\lambda} = \frac{N_0 \lambda}{2\ln(2)}$

Range force
exchange ρ E_0

if $u \frac{E}{2} > E_0$

$\lambda_B \leq$ range intrct$^\circ$

Special relativity

$\hbar c / E_0$

$\dfrac{\hbar c}{uE} \subseteq \dfrac{\hbar c}{E_0}$

$E^2 = (pc)^2 + (m_0 c^2)^2$

$E = m_0 c^2 + uE$