

PSALter results panel

$$S = \iiint \int (\varphi (\rho - \alpha_{\cdot 2} \varphi) + \alpha_{\cdot 1} \partial_{\alpha} \varphi \partial^{\alpha} \varphi) [t, x, y, z] dz dy dx dt$$

Wave operator

$${}^{0+}_{\cdot} \varphi \dagger \begin{matrix} {}^{0+}_{\cdot} \varphi \\ -\alpha_{\cdot 2} + \alpha_{\cdot 1} k^2 \end{matrix}$$

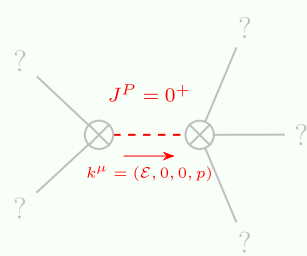
Saturated propagator

$${}^{0+}_{\cdot} \rho \dagger \begin{matrix} {}^{0+}_{\cdot} \rho \\ \frac{1}{-\alpha_{\cdot 2} + \alpha_{\cdot 1} k^2} \end{matrix}$$

Source constraints

(No source constraints)

Massive spectrum



Massive particle

Pole residue:	$\frac{1}{\alpha_{\cdot 1}} > 0$
Square mass:	$\frac{\alpha_{\cdot 2}}{\alpha_{\cdot 1}} > 0$
Spin:	0
Parity:	Even

Massless spectrum

(No particles)

Unitarity conditions

$$\alpha_{\cdot 1} > 0 \ \&\& \ \alpha_{\cdot 2} > 0$$