

PSALTer results panel

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

Wave operator

$$\overset{\Theta^+}{\cdot} \varphi \vdash \boxed{-\alpha_{\cdot 2} + \alpha_{\cdot 1} k^2}$$

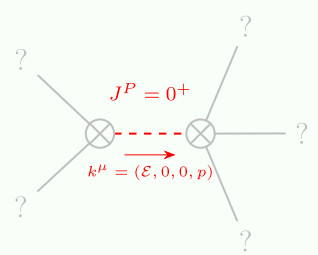
Saturated propagator

$$\overset{\Theta^+}{\cdot} \rho \vdash \boxed{\frac{1}{-\alpha_{\cdot 2} + \alpha_{\cdot 1} k^2}}$$

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

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