

PSALter results panel

$$S = \iiint \left(\alpha_{\dot{3}} \mathcal{B}_{\alpha} \mathcal{B}^{\alpha} + \mathcal{B}^{\alpha} \mathcal{J}_{\alpha} + \alpha_{\dot{2}} \partial_{\alpha} \mathcal{B}^{\alpha} \partial_{\beta} \mathcal{B}^{\beta} \right) [t, x, y, z] dz dy dx dt$$

Wave operator

$$\begin{array}{cc} & \overset{\overset{\theta^+}{\cdot}}{\mathcal{B}} \\ \overset{\overset{\theta^+}{\cdot}}{\mathcal{B}} \dagger & \boxed{\alpha_{\dot{3}} + \alpha_{\dot{2}} k^2} \quad \overset{\overset{1^-}{\cdot}}{\mathcal{B}}_{\alpha} \\ & \overset{\overset{1^-}{\cdot}}{\mathcal{B}} \dagger^{\alpha} \quad \boxed{\alpha_{\dot{3}}} \end{array}$$

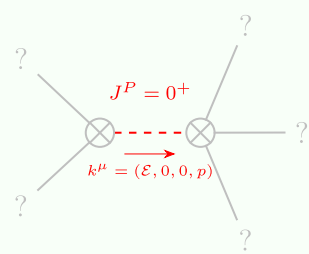
Saturated propagator

$$\begin{array}{cc} & \overset{\overset{\theta^+}{\cdot}}{\mathcal{J}} \\ \overset{\overset{\theta^+}{\cdot}}{\mathcal{J}} \dagger & \boxed{\frac{1}{\alpha_{\dot{3}} + \alpha_{\dot{2}} k^2}} \quad \overset{\overset{1^-}{\cdot}}{\mathcal{J}}_{\alpha} \\ & \overset{\overset{1^-}{\cdot}}{\mathcal{J}} \dagger^{\alpha} \quad \boxed{\frac{1}{\alpha_{\dot{3}}}} \end{array}$$

Source constraints

(No source constraints)

Massive spectrum



Massive particle

Pole residue:	$\frac{1}{\alpha_{\dot{2}}} > 0$
Square mass:	$-\frac{\alpha_{\dot{3}}}{\alpha_{\dot{2}}} > 0$
Spin:	0
Parity:	Even

Massless spectrum

(No particles)

Unitarity conditions

$$\alpha_{\dot{2}} > 0 \ \&\& \ \alpha_{\dot{3}} < 0$$