

PSALTer results panel

$$S = \iiint \int (\alpha_3 \mathcal{B}_\alpha \mathcal{B}^\alpha + \mathcal{B}^\alpha \mathcal{J}_\alpha + 2 \alpha_1 (-\partial_\alpha \mathcal{B}_\beta + \partial_\beta \mathcal{B}_\alpha) \partial^\beta \mathcal{B}^\alpha) [t, x, y, z] dz dy dx dt$$

Wave operator

$$\begin{array}{cc} & \overset{0^+}{\underset{\cdot}{\mathcal{B}}} \\ \overset{0^+}{\underset{\cdot}{\mathcal{B}}} \dagger & \boxed{\alpha_3} & \overset{1^-}{\underset{\cdot}{\mathcal{B}}}_\alpha \\ & \overset{1^-}{\underset{\cdot}{\mathcal{B}}} \dagger^\alpha & \boxed{\alpha_3 + 2 \alpha_1 k^2} \end{array}$$

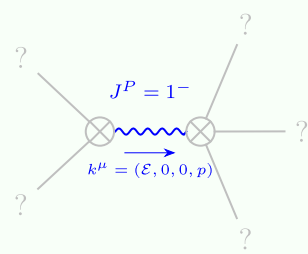
Saturated propagator

$$\begin{array}{cc} & \overset{0^+}{\underset{\cdot}{\mathcal{J}}} \\ \overset{0^+}{\underset{\cdot}{\mathcal{J}}} \dagger & \boxed{\frac{1}{\alpha_3}} & \overset{1^-}{\underset{\cdot}{\mathcal{J}}}_\alpha \\ & \overset{1^-}{\underset{\cdot}{\mathcal{J}}} \dagger^\alpha & \boxed{\frac{1}{\alpha_3 + 2 \alpha_1 k^2}} \end{array}$$

Source constraints

(No source constraints)

Massive spectrum



Massive particle

Pole residue:	$-\frac{1}{2 \alpha_1} > 0$
Square mass:	$-\frac{\alpha_3}{2 \alpha_1} > 0$
Spin:	1
Parity:	Odd

Massless spectrum

(No particles)

Unitarity conditions

$$\alpha_1 < 0 \ \&\& \ \alpha_3 > 0$$