

PSALTer results panel

$$S = \iiint \int (\alpha_3 \mathcal{B}_\alpha \mathcal{B}^\alpha + \mathcal{B}^\alpha \mathcal{J}_\alpha + \alpha_2 \partial_\alpha \mathcal{B}^\alpha \partial_\beta \mathcal{B}^\beta) [t, x, y, z] dz dy dx dt$$

Wave operator

$$\begin{array}{ccc} & 0^+ \mathcal{B} & \\ 0^+ \mathcal{B} \dagger & \boxed{\alpha_3 + \alpha_2 k^2} & 1^- \mathcal{B}_\alpha \\ & 1^- \mathcal{B} \dagger^\alpha & \boxed{\alpha_3} \end{array}$$

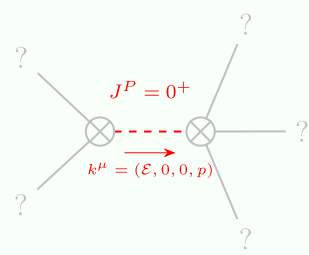
Saturated propagator

$$\begin{array}{ccc} & 0^+ \mathcal{J} & \\ 0^+ \mathcal{J} \dagger & \boxed{\frac{1}{\alpha_3 + \alpha_2 k^2}} & 1^- \mathcal{J}_\alpha \\ & 1^- \mathcal{J} \dagger^\alpha & \boxed{\frac{1}{\alpha_3}} \end{array}$$

Source constraints

(No source constraints)

Massive spectrum



Massive particle

Pole residue:	$\frac{1}{\alpha_2} > 0$
Square mass:	$-\frac{\alpha_3}{\alpha_2} > 0$
Spin:	0
Parity:	Even

Massless spectrum

(No particles)

Unitarity conditions

$$\alpha_2 > 0 \ \&\& \ \alpha_3 < 0$$