

PSALTer results panel

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

Wave operator

$$\begin{array}{cc} \begin{array}{c} \theta^+ \cdot \mathcal{B} \\ \theta^+ \cdot \mathcal{B} \uparrow \end{array} & \begin{array}{c} \alpha_3 \cdot \\ 3 \end{array} \\ & \begin{array}{c} 1^- \cdot \mathcal{B}_\alpha \\ 1^- \cdot \mathcal{B} \uparrow^\alpha \end{array} \end{array} \quad \begin{array}{c} \alpha_3 \cdot + 2 \alpha_1 \cdot k^2 \\ 1 \end{array}$$

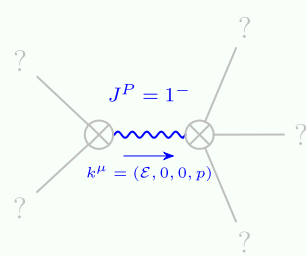
Saturated propagator

$$\begin{array}{cc} \begin{array}{c} \theta^+ \cdot \mathcal{J} \\ \theta^+ \cdot \mathcal{J} \uparrow \end{array} & \begin{array}{c} \frac{1}{\alpha_3 \cdot} \\ 3 \end{array} \\ & \begin{array}{c} 1^- \cdot \mathcal{J}_\alpha \\ 1^- \cdot \mathcal{J} \uparrow^\alpha \end{array} \end{array} \quad \begin{array}{c} 1 \\ \alpha_3 \cdot + 2 \alpha_1 \cdot k^2 \\ 1 \end{array}$$

Source constraints

(No source constraints)

Massive spectrum



Massive particle

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

Massless spectrum

(No particles)

Unitarity conditions

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