Wave operator $0^{+}\mathcal{B} + \boxed{\begin{array}{c} \frac{1}{3} + \left(\alpha_{1} + \alpha_{2}\right) k^{2} \\ \frac{1}{3} + \left(\alpha_{1} + \alpha_{2}\right) k^{2} \end{array} \quad \begin{array}{c} \frac{1}{3} \mathcal{B}_{\alpha} \\ \frac{1}{3} \mathcal{B} + \frac{\alpha_{1}}{3} + \frac{\alpha_{1}}{3} k^{2} \end{array}}$ Saturated propagator

 $S == \iiint \left(\alpha_3 \cdot \mathcal{B}_{\alpha} \cdot \mathcal{B}^{\alpha} + \mathcal{B}^{\alpha} \cdot \mathcal{J}_{\alpha} + \alpha_2 \cdot \partial_{\alpha} \mathcal{B}^{\alpha} \partial_{\beta} \mathcal{B}^{\beta} + \alpha_1 \cdot \partial_{\beta} \mathcal{B}_{\alpha} \partial^{\beta} \mathcal{B}^{\alpha}\right) [t, x, y, z] \, dz \, dy \, dx \, dt$

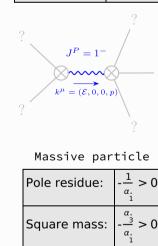
<u>PSALTer</u> <u>results</u> <u>panel</u>

$\begin{array}{c} \overset{\circ}{\circ} \mathcal{I} \\ \overset{\circ}{\circ} \mathcal{I} \uparrow \\ \frac{1}{\alpha_{1} + (\alpha_{1} + \alpha_{2}) k^{2}} \\ \overset{1}{\circ} \mathcal{I} \uparrow \\ \frac{1}{\alpha_{1} + \alpha_{1} k^{2}} \end{array}$ Source constraints

(There are no source constraints and no gauge symmetries)

<u>Massive</u> <u>spectrum</u>

Massive particle Pole residue: $\frac{1}{\frac{\alpha_1 + \alpha_2}{1 + \frac{\alpha_2}{2}}} > 0$ Square mass: $-\frac{\alpha}{\alpha + \alpha} > 0$ Spin: Parity:



Spin:

Odd Parity:

<u>Massless</u> <u>spectrum</u>

(There are no massless particles)

Gauge symmetries

(Not yet implemented in PSALTer)

- <u>Unitarity</u> conditions
- (Unitarity is demonstrably impossible)

- Validity assumptions
- (Not yet implemented in PSALTer)