

# PSALTer results panel

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

## Wave operator

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

## Saturated propagator

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

## Source constraints

Spin-parity form	Covariant form	Multiplicities
$\overset{1^-}{\mathcal{J}}^\alpha == 0$	$\partial_\beta \partial^\alpha \mathcal{J}^\beta == \partial_\beta \partial^\beta \mathcal{J}^\alpha$	3
Total expected gauge generators:		3

## Massive spectrum

(No particles)

## Massless spectrum

(No particles)

## Unitarity conditions

True