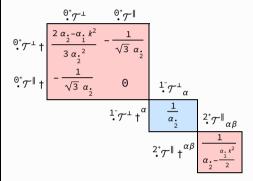
# PSALTer results panel

$$S = = \iiint \left( \alpha_{2} \left( h_{\alpha\beta} h^{\alpha\beta} - h^{\alpha}_{\alpha} h^{\beta}_{\beta} \right) + h^{\alpha\beta} \mathcal{T}_{\alpha\beta} + \frac{1}{2} \alpha_{1} \left( \partial_{\beta} h^{\chi}_{\chi} \partial^{\beta} h^{\alpha}_{\alpha} + 2 \partial_{\alpha} h^{\alpha\beta} \partial_{\chi} h^{\chi}_{\beta} - 2 \partial^{\beta} h^{\alpha}_{\alpha} \partial_{\chi} h^{\chi}_{\beta} - \partial_{\chi} h_{\alpha\beta} \partial^{\chi} h^{\alpha\beta} \right) \left[ t, x, y, z \right] dz dy dx dt$$

### <u>Wave</u> <u>operator</u>

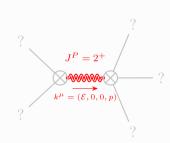
### Saturated propagator



### Source constraints

(There are no source constraints and no gauge symmetries)

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



#### Massive particle

Pole residue:	$-\frac{2}{\alpha_{\cdot}} > 0$
Square mass:	$\frac{\frac{2\alpha_{\cdot}}{\alpha_{\cdot}}}{\frac{\alpha_{\cdot}}{1}} > 0$
Spin:	2
Parity:	Even

### Massless spectrum

(There are no massless particles)

# Gauge symmetries

(Not yet implemented in PSALTer)

# <u>Unitarity</u> conditions

 $\alpha_{1} < 0 \&\& \alpha_{2} < 0$ 

# <u>Validity</u> <u>assumptions</u>

(Not yet implemented in PSALTer)