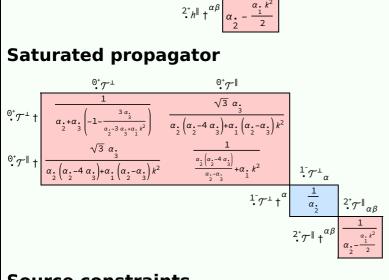
# **PSALTer results panel**

$$S == \iiint \left(\alpha_{2} h_{\alpha\beta} h^{\alpha\beta} - \alpha_{3} h^{\alpha}_{\beta} h^{\alpha\beta} + h^{\alpha\beta} \mathcal{T}_{\alpha\beta} + \frac{1}{2} \alpha_{1} \left(\partial_{\beta} h^{\chi}_{\chi} \partial^{\beta} h^{\alpha}_{\alpha} + 2 \partial_{\alpha} h^{\alpha\beta} \partial_{\chi} h^{\chi}_{\beta} - 2 \partial^{\beta} h^{\alpha}_{\alpha} \partial_{\chi} h^{\chi}_{\beta} - \partial_{\chi} h_{\alpha\beta} \partial^{\chi} h^{\alpha\beta}\right) | t, x, y, z | dz dy dx dt$$

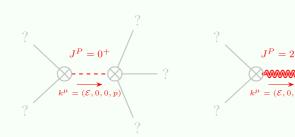
### Wave operator



#### Source constraints

(No source constraints)

# **Massive spectrum**



Massive particle

Pole residue:	$\frac{\frac{\alpha.^{2}-2\alpha.\alpha.+4\alpha.^{2}}{\frac{2}{2}\frac{2}{3}\frac{3}{3}}}{\frac{\alpha.(\alpha\alpha.)^{2}}{12^{3}}} > 0$
Square mass:	$-\frac{\frac{\alpha.(\alpha4\alpha.)}{2}}{\frac{\alpha.(\alpha\alpha.)}{2}} > 0$
Spin:	0
Parity:	Even

Massive particle

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

## **Massless spectrum**

(No particles)

# **Unitarity conditions**

(Demonstrably impossible)