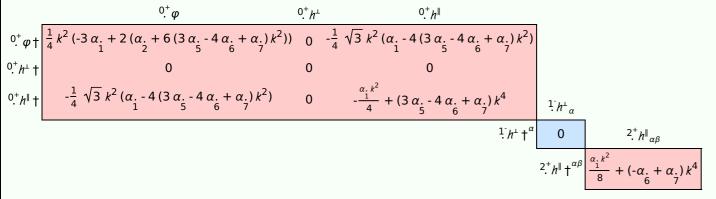
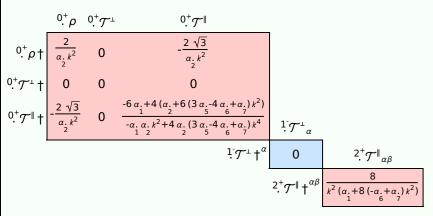
# **PSALTer results panel**

$$S = \iiint (\rho \, \varphi + \, h^{\alpha \beta} \, \mathcal{T}_{\alpha \beta} + \frac{1}{2} \, \alpha_{2} \, \partial_{\alpha} \varphi \, \partial^{\alpha} \varphi + \frac{1}{8} \, \alpha_{1} \, (12 \, \partial_{\alpha} \partial^{\alpha} \varphi - 4 \, \partial_{\alpha} h^{\beta}_{\beta} \, \partial^{\alpha} \varphi - 6 \, \partial_{\alpha} \varphi \, \partial^{\alpha} \varphi + 4 \, \partial^{\beta}_{\beta} \partial^{\alpha}_{\alpha} - 4 \, \partial_{\beta} \partial_{\alpha} h^{\alpha \beta} + 4 \, \partial_{\beta} \partial^{\beta}_{\beta} h^{\alpha}_{\alpha} + 2 \, \partial^{\beta}_{\beta} h^{\alpha$$

### **Wave operator**



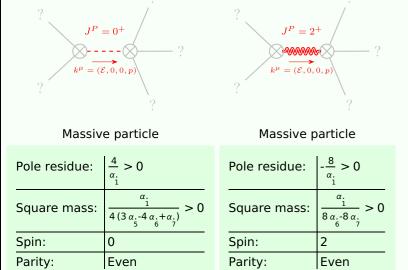
#### **Saturated propagator**



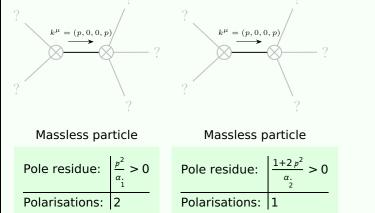
### **Source constraints**

:	Spin-parity form	Covariant form	Multiplicities
(	0. <sup>+</sup> T <sup>⊥</sup> == 0	$\partial_{\beta}\partial_{\alpha}\mathcal{T}^{\alpha\beta} == 0$	1
	$\frac{1}{2}\mathcal{T}^{\perp}^{\alpha} == 0$	$\partial_{\chi}\partial_{\beta}\partial^{\alpha}\mathcal{T}^{\beta\chi} == \partial_{\chi}\partial^{\chi}\partial_{\beta}\mathcal{T}^{\alpha\beta}$	3
Total expected gauge generators:			4

### **Massive spectrum**



## **Massless spectrum**



## **Unitarity conditions**

(Demonstrably impossible)