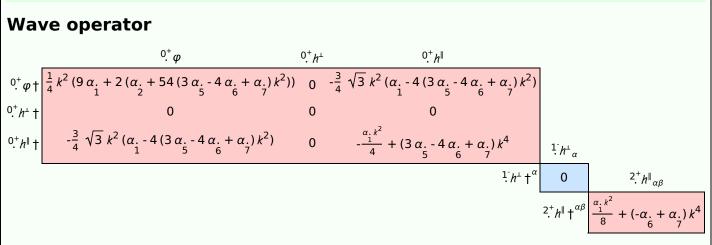
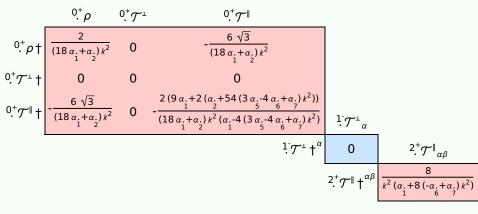
# **PSALTer results panel**

$$\mathcal{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} \, (36 \, (1 + 2 \, \varphi) \, \partial_{\alpha} \partial^{\alpha} \varphi - 12 \, \partial_{\alpha} h^{\beta}_{\ \beta} \, \partial^{\alpha} \varphi + 18 \, \partial_{\alpha} \varphi \, \partial^{\alpha} \varphi + 12 \, \partial^{\alpha} \varphi \, \partial_{\beta} h^{\alpha}_{\ \alpha} - 4 \, \partial_{\beta} h^{\alpha}_{\ \alpha} + 2 \, \partial^{\beta} h^{\alpha}_{\ \alpha} + 2 \, \partial^{\beta} h^{\alpha}_{\ \alpha} \, \partial_{\lambda} h^{\lambda}_{\beta} - 2 \, \partial_{\beta} h_{\alpha \lambda} \, \partial^{\lambda} h^{\alpha \beta} + \partial_{\lambda} h_{\alpha \beta} \, \partial^{\lambda} h^{\alpha \beta} ) - \alpha_{1} \, (12 \, \partial_{\beta} \partial_{\alpha} h^{\lambda}_{\ \lambda} \, \partial^{\beta} \partial^{\alpha} \varphi + 36 \, \partial_{\beta} \partial_{\alpha} \varphi \, \partial^{\beta} \partial^{\alpha} \varphi - 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\alpha} h^{\lambda}_{\beta} - 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\beta} h^{\lambda}_{\ \alpha} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\beta} h^{\lambda}_{\ \alpha} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\beta} h^{\lambda}_{\ \alpha} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\beta} h^{\lambda}_{\ \alpha} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\beta} h^{\lambda}_{\ \alpha} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\beta} \partial^{\alpha} \varphi \, \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\alpha} \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\alpha} \partial^{\alpha} \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\alpha} \partial^{\alpha} \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\alpha} \partial^{\alpha} \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\alpha} \partial^{\alpha} \partial_{\lambda} \partial^{\alpha} \partial^{\alpha} \partial_{\lambda} \partial_{\lambda} h^{\alpha \beta} + 12 \, \partial^{\alpha} \partial^{\alpha} \partial^{\alpha} \partial_{\lambda} \partial^{\alpha} \partial^{\alpha} \partial_{\lambda} \partial^{\alpha} \partial^{\alpha}$$



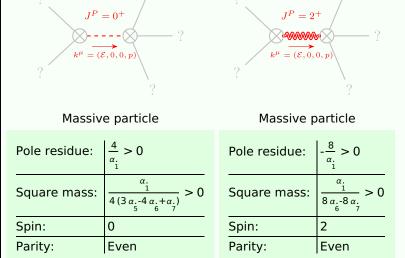
## Saturated propagator



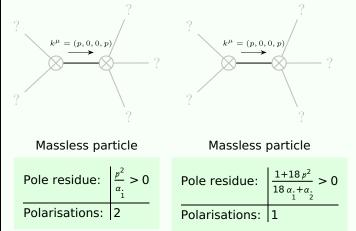
#### Source constraints

Spin-parity form	Covariant form	Multiplicities
$0^{+}_{\cdot}\mathcal{T}^{\perp} == 0$	$\partial_{\beta}\partial_{\alpha}\mathcal{T}^{\alpha\beta} == 0$	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)