PSALTer results panel

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

Wave operator

	$\overset{0^+}{\cdot}h^{\perp}$	$\overset{0^+}{\cdot}h^{\parallel}$	$\overset{1^-}{\cdot}h^{\perp}{}_{\alpha}$	$\overset{2^+}{\cdot}h^{\parallel}{}_{\alpha\beta}$
$\overset{0^+}{\cdot}h^{\perp}\ \dagger$	0	0		
$\overset{0^+}{\cdot}h^{\parallel}\ \dagger$	0	$\underset{1}{\alpha_{\cdot}}\ k^2$		
$\overset{1^-}{\cdot}h^{\perp}\ \dagger^{\alpha}$			0	
$\overset{2^+}{\cdot}h^{\parallel}\ \dagger^{\alpha\beta}$				$-\frac{\underset{1}{\alpha_{\cdot}}\ k^2}{2}$

Saturated propagator

	$\overset{0^+}{\cdot}\mathcal{T}^{\perp}$	$\overset{0^+}{\cdot}\mathcal{T}^{\parallel}$	$\overset{1^-}{\cdot}\mathcal{T}^{\perp}{}_{\alpha}$	$\overset{2^+}{\cdot}\mathcal{T}^{\parallel}{}_{\alpha\beta}$
$\overset{0^+}{\cdot}\mathcal{T}^{\perp}\ \dagger$	0	0		
$\overset{0^+}{\cdot}\mathcal{T}^{\parallel}\ \dagger$	0	$\frac{1}{\underset{1}{\alpha_{\cdot}}\ k^2}$		
$\overset{1^-}{\cdot}\mathcal{T}^{\perp}\ \dagger^{\alpha}$			0	
$\overset{2^+}{\cdot}\mathcal{T}^{\parallel}\ \dagger^{\alpha\beta}$				$-\frac{2}{\underset{1}{\alpha_{\cdot}}\ k^2}$

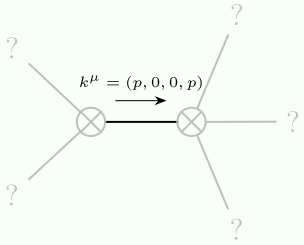
Source constraints

Spin-parity form	Covariant form	Multiplicities
$\overset{0^+}{\cdot}\mathcal{T}^{\perp} == 0$	$\partial_\beta \partial_\alpha \mathcal{T}^{\alpha\beta} == 0$	1
$\overset{1^-}{\cdot}\mathcal{T}^{\perp\alpha} == 0$	$\partial_\chi \partial_\beta \partial^\alpha \mathcal{T}^{\beta\chi} == \partial_\chi \partial^\chi \partial_\beta \mathcal{T}^{\alpha\beta}$	3
Total expected gauge generators:		4

Massive spectrum

(No particles)

Massless spectrum



Massless particle

Pole residue:	$-\frac{p^2}{\underset{1}{\alpha_{\cdot}}} > 0$
Polarisations:	2

Unitarity conditions

$$\underset{1}{\alpha_{\cdot}} < 0$$