PSALTer results panel

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

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

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

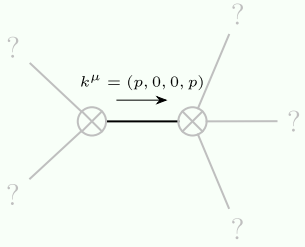
Source constraints

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:	$-\frac{p^2}{\underset{1}{\alpha}} > 0$
Polarisations:	2

Unitarity conditions

$\underset{1}{\alpha} < 0$