PSALTer results panel

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

Wave operator

	$0^+_{.}h^{\perp}$	$0^+_{.}h^{\parallel}$	$1^-_{.}h^{\perp}{}_{\alpha}$	$2^+_{.}h^{\parallel}{}_{\alpha\beta}$
$0^+_{.}h^{\perp}\,\dagger$	0	$\sqrt{3}\ \alpha_{.1}\,k^2$		
$0^+_{.}h^{\parallel}\,\dagger$	$\sqrt{3}\ \alpha_{.1}\,k^2$	$4\,\alpha_{.1}\,k^2$		
$1^-_{.}h^{\perp}\,\dagger^{\alpha}$			0	
$2^+_{.}h^{\parallel}\,\dagger^{\alpha\beta}$				$\alpha_{.1}\,k^2$

Saturated propagator

	$0^+_{.}\mathcal{T}^{\perp}$	$0^+_{.}\mathcal{T}^{\parallel}$	$1^-_{.}\mathcal{T}^{\perp}{}_{\alpha}$	$2^+_{.}\mathcal{T}^{\parallel}{}_{\alpha\beta}$
$0^+_{.}\mathcal{T}^{\perp}\,\dagger$	$-\frac{4}{3\,\alpha_{.1}\,k^2}$	$\frac{1}{\sqrt{3}\ \alpha_{.1}\,k^2}$		
$0^+_{.}\mathcal{T}^{\parallel}\,\dagger$	$\frac{1}{\sqrt{3}\ \alpha_{.1}\,k^2}$	0		
$1^-_{.}\mathcal{T}^{\perp}\,\dagger^{\alpha}$			0	
$2^+_{.}\mathcal{T}^{\parallel}\,\dagger^{\alpha\beta}$				$\frac{1}{\alpha_{.1}\,k^2}$

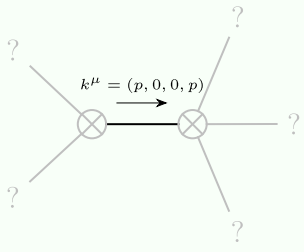
Source constraints

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

Massive spectrum

(No particles)

Massless spectrum



Massless particle

Pole residue:	$\frac{p^2}{\alpha_{.1}} > 0$
Polarisations:	3

Unitarity conditions

$\alpha_{.1} > 0$