PSALTer results panel

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

Wave operator

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

Saturated propagator

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

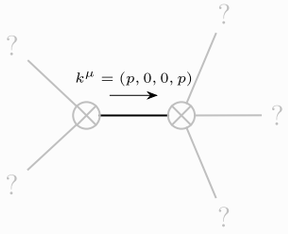
Source constraints

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

Massive spectrum

(There are no massive particles)

Massless spectrum



Massless particle

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

Gauge symmetries

(Not yet implemented in PSALTer)

Unitarity conditions

$\alpha_{1} < 0$

Validity assumptions

(Not yet implemented in PSALTer)