PSALTer results panel

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

Wave operator

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

Saturated propagator

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

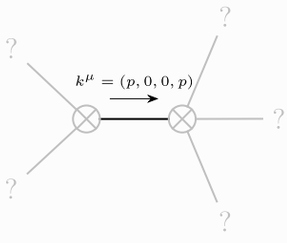
Source constraints

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

Massive spectrum

(There are no massive particles)

Massless spectrum



Massless particle

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

Gauge symmetries

(Not yet implemented in PSALTer)

Unitarity conditions

$\alpha_{1} > 0$

Validity assumptions

(Not yet implemented in PSALTer)