PSALTer results panel

$$\mathcal{S} == \int\int\int\int (h^{\alpha\beta}\ \mathcal{T}_{\alpha\beta} + \frac{1}{2}\ \alpha._2\ \partial_\beta h^\chi{}_\chi\ \partial^\beta h^\alpha{}_\alpha + \alpha._1\ (\partial_\alpha h^{\alpha\beta}\ \partial_\chi h_\beta{}^\chi - \partial^\beta h^\alpha{}_\alpha\ \partial_\chi h_\beta{}^\chi - \frac{1}{2}\ \partial_\chi h_{\alpha\beta}\ \partial^\chi h^{\alpha\beta}))[t, x, y, z]\ dz\ dy\ dx\ dt$$

Wave operator

	$0^+_.h^\perp$	$0^+_.h^\parallel$	$1^-_.h^\perp{}_\alpha$	$2^+_.h^\parallel{}_{\alpha\beta}$
$0^+_.h^\perp\ \dagger$	$\frac{1}{2}\ (-\alpha._1 + \alpha._2)\ k^2$	$\frac{1}{2}\ \sqrt{3}\ (-\alpha._1 + \alpha._2)\ k^2$		
$0^+_.h^\parallel\ \dagger$	$\frac{1}{2}\ \sqrt{3}\ (-\alpha._1 + \alpha._2)\ k^2$	$-\frac{1}{2}\ (\alpha._1 - 3\ \alpha._2)\ k^2$		
$1^-_.h^\perp\ \dagger^\alpha$			0	
$2^+_.h^\parallel\ \dagger^{\alpha\beta}$				$-\frac{\alpha._1\ k^2}{2}$

Saturated propagator

	$0^+_.\mathcal{T}^\perp$	$0^+_.\mathcal{T}^\parallel$	$1^-_.\mathcal{T}^\perp{}_\alpha$	$2^+_.\mathcal{T}^\parallel{}_{\alpha\beta}$
$0^+_.\mathcal{T}^\perp\ \dagger$	$\frac{\alpha._1 - 3\ \alpha._2}{\alpha._1\ (\alpha._1 - \alpha._2)\ k^2}$	$-\frac{\sqrt{3}}{\alpha._1\ k^2}$		
$0^+_.\mathcal{T}^\parallel\ \dagger$	$-\frac{\sqrt{3}}{\alpha._1\ k^2}$	$\frac{1}{\alpha._1\ k^2}$		
$1^-_.\mathcal{T}^\perp\ \dagger^\alpha$			0	
$2^+_.\mathcal{T}^\parallel\ \dagger^{\alpha\beta}$				$-\frac{2}{\alpha._1\ k^2}$

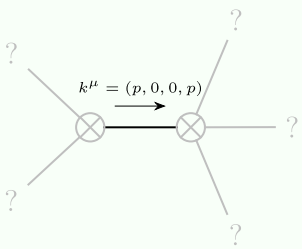
Source constraints

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

Massive spectrum

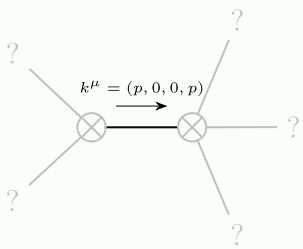
(No particles)

Massless spectrum



Massless particle

Pole residue:	$\frac{p^2}{-\alpha._1 + \alpha._2} > 0$
Polarisations:	1



Massless particle

Pole residue:	$-\frac{p^2}{\alpha._1} > 0$
Polarisations:	2

Unitarity conditions

$\alpha._1 < 0\ \&\&\ \alpha._2 > \alpha._1$