PSALTer results panel

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

Wave operator

	$\overset{0^+}{\cdot} h^{\perp}$	$\overset{0^+}{\cdot} h^{\parallel}$	$\overset{1^-}{\cdot} h^{\perp}{}_{\alpha}$	$\overset{2^+}{\cdot} h^{\parallel}{}_{\alpha\beta}$
$\overset{0^+}{\cdot} h^{\perp}\ \dagger$	$\frac{1}{2} \left(-\underset{1}{\alpha_{\cdot}} + \underset{2}{\alpha_{\cdot}} \right) k^2$	$\frac{1}{2}\ \sqrt{3} \left(-\underset{1}{\alpha_{\cdot}} + \underset{2}{\alpha_{\cdot}} \right) k^2$		
$\overset{0^+}{\cdot} h^{\parallel}\ \dagger$	$\frac{1}{2}\ \sqrt{3} \left(-\underset{1}{\alpha_{\cdot}} + \underset{2}{\alpha_{\cdot}} \right) k^2$	$-\frac{1}{2} \left(\underset{1}{\alpha_{\cdot}} - 3\ \underset{2}{\alpha_{\cdot}} \right) k^2$		
$\overset{1^-}{\cdot} h^{\perp}\ \dagger^{\alpha}$			0	
$\overset{2^+}{\cdot} h^{\parallel}\ \dagger^{\alpha\beta}$				$-\frac{\underset{1}{\alpha_{\cdot}}\ k^2}{2}$

Saturated propagator

	$\overset{0^+}{\cdot} \mathcal{T}^{\perp}$	$\overset{0^+}{\cdot} \mathcal{T}^{\parallel}$	$\overset{1^-}{\cdot} \mathcal{T}^{\perp}{}_{\alpha}$	$\overset{2^+}{\cdot} \mathcal{T}^{\parallel}{}_{\alpha\beta}$
$\overset{0^+}{\cdot} \mathcal{T}^{\perp}\ \dagger$	$\frac{\underset{1}{\alpha_{\cdot}} - 3\ \underset{2}{\alpha_{\cdot}}}{\underset{1}{\alpha_{\cdot}} \left(\underset{1}{\alpha_{\cdot}} - \underset{2}{\alpha_{\cdot}} \right) k^2}$	$-\frac{\sqrt{3}}{\underset{1}{\alpha_{\cdot}}\ k^2}$		
$\overset{0^+}{\cdot} \mathcal{T}^{\parallel}\ \dagger$	$-\frac{\sqrt{3}}{\underset{1}{\alpha_{\cdot}}\ k^2}$	$\frac{1}{\underset{1}{\alpha_{\cdot}}\ k^2}$		
$\overset{1^-}{\cdot} \mathcal{T}^{\perp}\ \dagger^{\alpha}$			0	
$\overset{2^+}{\cdot} \mathcal{T}^{\parallel}\ \dagger^{\alpha\beta}$				$-\frac{2}{\underset{1}{\alpha_{\cdot}}\ k^2}$

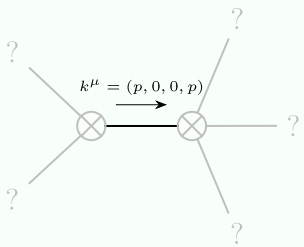
Source constraints

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

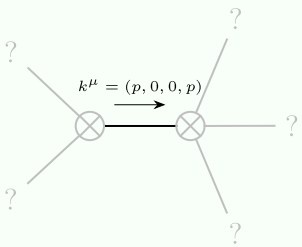
Massive spectrum

(No particles)

Massless spectrum



Massless particle



Massless particle

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

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

Unitarity conditions

$$\underset{1}{\alpha_{\cdot}} < 0\ \&\&\ \underset{2}{\alpha_{\cdot}} > \underset{1}{\alpha_{\cdot}}$$