PSALTer results panel

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

Wave operator

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

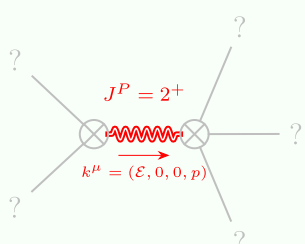
Saturated propagator

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

Source constraints

(No source constraints)

Massive spectrum



Massive particle

Pole residue:	$-\frac{2}{\alpha_{\cdot 1}} > 0$
Square mass:	$\frac{2\,\alpha_{\cdot 2}}{\alpha_{\cdot 1}} > 0$
Spin:	2
Parity:	Even

Massless spectrum

(No particles)

Unitarity conditions

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