PSALTer results panel

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

Wave operator

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

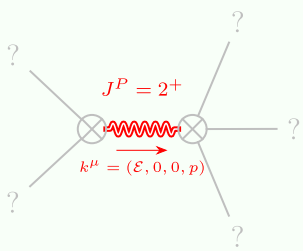
Saturated propagator

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

Source constraints

(No source constraints)

Massive spectrum



Massive particle

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

Massless spectrum

(No particles)

Unitarity conditions

$\alpha_{.1} < 0 \;\&\&\; \alpha_{.2} < 0$