PSALTer results panel

$$\mathcal{S} ==$$
$$\iiiint (\alpha_2 \, (h_{\alpha\beta} \, h^{\alpha\beta} - h^\alpha{}_\alpha \, h^\beta{}_\beta) + h^{\alpha\beta} \, \mathcal{T}_{\alpha\beta} + \frac{1}{2} \, \alpha_1 \, (\partial_\beta h^\chi{}_\chi \, \partial^\beta h^\alpha{}_\alpha + 2$$
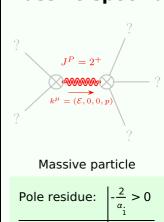$$\partial_\alpha h^{\alpha\beta} \partial_\chi h_\beta{}^\chi - 2 \, \partial^\beta h^\alpha{}_\alpha \partial_\chi h_\beta{}^\chi -$$
$$\partial_\chi h_{\alpha\beta} \partial^\chi h^{\alpha\beta})) [t, x, y, z] \, dz \, dy \, dx \, dt$$

Wave operator

	$0^+_\cdot h^\perp$	$0^+_\cdot h^\parallel$		
$0^+_\cdot h^\perp \dagger$	0	$-\sqrt{3}\,\alpha_2$		
$0^+_\cdot h^\parallel \dagger$	$-\sqrt{3}\,\alpha_2$	$-2\,\alpha_2 + \alpha_1\,k^2$		
$1^-_\cdot h^\perp \dagger^\alpha$			α_2	
$2^+_\cdot h^\parallel \dagger^{\alpha\beta}$				$\alpha_2 - \frac{\alpha_1 k^2}{2}$

Row/column labels: $1^-_\cdot h^\perp{}_\alpha$, $2^+_\cdot h^\parallel{}_{\alpha\beta}$

Saturated propagator

	$0^+_\cdot \mathcal{T}^\perp$	$0^+_\cdot \mathcal{T}^\parallel$		
$0^+_\cdot \mathcal{T}^\perp \dagger$	$\frac{2\,\alpha_2 - \alpha_1\,k^2}{3\,\alpha_2^2}$	$-\frac{1}{\sqrt{3}\,\alpha_2}$		
$0^+_\cdot \mathcal{T}^\parallel \dagger$	$-\frac{1}{\sqrt{3}\,\alpha_2}$	0		
$1^-_\cdot \mathcal{T}^\perp \dagger^\alpha$			$\frac{1}{\alpha_2}$	
$2^+_\cdot \mathcal{T}^\parallel \dagger^{\alpha\beta}$				$\frac{1}{\alpha_2 - \frac{\alpha_1 k^2}{2}}$

Row/column labels: $1^-_\cdot \mathcal{T}^\perp{}_\alpha$, $2^+_\cdot \mathcal{T}^\parallel{}_{\alpha\beta}$

Source constraints

(No source constraints)

Massive spectrum

$J^P = 2^+$

$k^\mu = (\mathcal{E}, 0, 0, p)$

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

$\alpha_1 < 0 \;\&\&\; \alpha_2 < 0$