

PSALTer results panel

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

Wave operator

$\Theta^+ h^\perp \uparrow$

$\Theta^+ h^\parallel \uparrow$

$\Theta^+ h^\perp \uparrow$

$\Theta^+ h^\parallel \uparrow$

0

$\sqrt{3} \alpha_{\dot{1}} k^2$

$\sqrt{3} \alpha_{\dot{1}} k^2$

$4 \alpha_{\dot{1}} k^2$

$1^- h^\perp_\alpha$

$2^+ h^\parallel_{\alpha\beta}$

$1^- h^\perp_\alpha$

$2^+ h^\parallel_{\alpha\beta}$

0

$\alpha_{\dot{1}} k^2$

Saturated propagator

$\Theta^+ \mathcal{T}^\perp \uparrow$

$\Theta^+ \mathcal{T}^\parallel \uparrow$

$\Theta^+ \mathcal{T}^\perp \uparrow$

$\Theta^+ \mathcal{T}^\parallel \uparrow$

$-\frac{4}{3 \alpha_{\dot{1}} k^2}$

$\frac{1}{\sqrt{3} \alpha_{\dot{1}} k^2}$

$\frac{1}{\sqrt{3} \alpha_{\dot{1}} k^2}$

0

$1^- \mathcal{T}^\perp_\alpha$

$2^+ \mathcal{T}^\parallel_{\alpha\beta}$

$1^- \mathcal{T}^\perp_\alpha$

$2^+ \mathcal{T}^\parallel_{\alpha\beta}$

0

$\frac{1}{\alpha_{\dot{1}} k^2}$

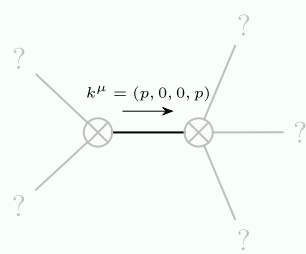
Source constraints

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:	$\frac{p^2}{\alpha_{\dot{1}}} > 0$
Polarisations:	3

Unitarity conditions

$$\alpha_{\dot{1}} > 0$$