$\mathcal{S} == \iiint (h^{\alpha\beta} \,\, \mathcal{T}_{\alpha\beta} - \alpha_{.} \, \partial^{\beta} h^{\alpha}_{\ \alpha} \, \partial_{\chi} h_{\beta}^{\ \chi} + \frac{1}{2} \, \alpha_{.}$

PSALTer results panel

$$(\partial_{\beta}h_{\chi}^{\chi}\partial^{\beta}h_{\alpha}^{\alpha} + 2\partial_{\alpha}h^{\alpha\beta}\partial_{\chi}h_{\beta}^{\chi} - \partial_{\chi}h_{\alpha\beta}\partial^{\chi}h^{\alpha\beta}))[$$

$$t, x, y, z]dzdydxdt$$

Wave operator
$${}^{0^{+}h^{\perp}} \qquad {}^{0^{+}h^{\parallel}}$$

Saturated propagator

$\begin{array}{c} 0^{+}\mathcal{T}^{\perp} \\ 0^{+}\mathcal{T}^{\perp} + \begin{vmatrix} \frac{4\alpha_{1}}{(\alpha_{1}-\alpha_{2})(\alpha_{1}+3\alpha_{2})k^{2}} & -\frac{2\sqrt{3}}{(\alpha_{1}+3\alpha_{2})k^{2}} \\ 0^{+}\mathcal{T}^{\parallel} + \begin{vmatrix} -\frac{2\sqrt{3}}{(\alpha_{1}+3\alpha_{2})k^{2}} & \frac{4}{(\alpha_{1}+3\alpha_{2})k^{2}} \\ 1^{+}\mathcal{T}^{\perp} + \alpha & 0 & 2^{+}\mathcal{T}^{\parallel}_{\alpha\beta} \\ 2^{+}\mathcal{T}^{\parallel} + \alpha^{\beta} & -\frac{2}{\alpha_{1}k^{2}} \end{array}$

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 |

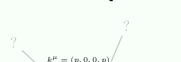
Massive spectrum

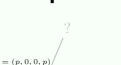
(No particles)

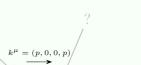






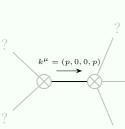




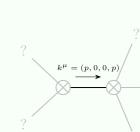




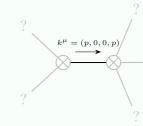




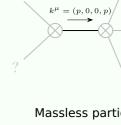
$$k^{\mu} = (p, 0, 0, p)$$







Massless particle



Polarisations: 2

| ? ? |
|-------------------|
| Massless particle |
| 1, 20 |

Polarisations:

Pole residue: $\frac{\left(\frac{(\alpha.^{2}-2\alpha.\alpha.+5\alpha.^{2})p^{2}}{\frac{1}{\alpha.}(\alpha.-\alpha.)(\alpha.+3\alpha.)}{\frac{1}{2}\frac{1}{2}\frac{2}{1}}>0$

Unitarity conditions

$$\alpha_{1} < 0 \&\& (\alpha_{2} < \alpha_{1} || \alpha_{2} > -\frac{\alpha_{1}}{3})$$