PSALTer results panel	
$S == \iiint (h^{\alpha\beta} \mathcal{T}_{\alpha\beta} + \frac{1}{2} \alpha_1 \partial_{\beta} h^{\chi}_{\chi} \partial^{\beta} h^{\alpha}_{\alpha} + \alpha_1 (\partial_{\alpha} h^{\alpha\beta} - \partial^{\beta} h^{\alpha}_{\alpha}) \partial_{\alpha} \partial^{\beta} h^{\alpha\beta}) (t, x, y, z) dz dy dx$	dt
Wave operator	
$0.^{+}h^{\perp}$ $0.^{+}h^{\parallel}$	
Wave operator $ \begin{array}{ccccccccccccccccccccccccccccccccccc$	
Saturated propagator	
Saturated propagator $ \begin{array}{ccccccccccccccccccccccccccccccccccc$	
$0.^{+}\mathcal{T}^{\perp} + \frac{\alpha_{1}^{-}\alpha_{2}^{-}}{(\alpha_{1}^{-}\alpha_{2}^{-})k^{2}} \qquad 0$	
$0^{+}\mathcal{T}^{\parallel} \uparrow \qquad 0 \qquad \overline{(3\alpha_{1}^{-}\alpha_{2}^{-})k^{2}} \qquad 1^{-}\mathcal{T}^{\perp}{}_{\alpha}$	
$\begin{array}{ccc} 1 \cdot \mathcal{T}^{\perp} + \alpha & \frac{2}{(\alpha_{1} - \alpha_{2}) k^{2}} & 2 \cdot \mathcal{T}^{\parallel}_{\alpha\beta} \\ & & & & & & & & & & & & & & & & & & $	
$2^+\mathcal{T}^{\parallel} + \alpha^{\beta} = \frac{-\frac{1}{\alpha \cdot k^2}}{2}$	
Source constraints	
(No source constraints)	
Massive spectrum	
(No particles)	
Massless spectrum	
? /	? /
$k^{\mu} = (p, 0, 0, p)$	$k^{\mu} = (p, 0, 0, p)$
?	?
? Massless particle	? Massless particle
Pole residue: $\left -\frac{(\alpha - 2 \alpha) p^2}{\frac{1}{2} p^2} > 0 \right $	Pole residue: $\frac{\left(\frac{(\alpha2\alpha.)p^2}{1}\frac{p^2}{2}\right)}{\left(\frac{\alpha\alpha.}{1}\frac{\alpha.}{2}\right)\frac{\alpha.}{2}} > 0$
Polarisations: 2	Polarisations: 2
?	?
$k^{\mu} = (p, 0, 0, p)$	$k^{\mu} = (p, 0, 0, p)$
?	?
Massless particle Pole residue: $\left -\frac{p^2}{a} > 0 \right $	Massless particle Pole residue: $\begin{vmatrix} (\alpha \cdot^2 - 6 \alpha \cdot \alpha \cdot + 2 \alpha \cdot^2) p^2 \\ -\frac{1}{2} & \frac{1}{2} & \frac{1}{2} & \frac{1}{2} \end{vmatrix} > 0$
Polarisations: $\frac{-\frac{\alpha}{\alpha_2} > 0}{2}$	$(\alpha, -\alpha, 1) (3 \alpha, -\alpha, 1) \alpha,$ $(\alpha, -\alpha, 1) (3 \alpha, -\alpha, 2) \alpha,$ $(\alpha, -\alpha, 1) (3 $
?	Polarisations: 1
? $k^{\mu} = (p, 0, 0, p) / $	$k^{\mu} = (p, 0, 0, p)$
?	?
?	?
Massless particle	Massless particle
Pole residue: $\frac{(\alpha_{1}^{2}-6\alpha_{1}\alpha_{2}+2\alpha_{2}^{2})p^{2}}{(\alpha_{1}-\alpha_{2})(3\alpha_{1}-\alpha_{2})\alpha_{2}}>0$	Pole residue: $\begin{vmatrix} -(((2\alpha_{.}^{2} - 5\alpha_{.}\alpha_{.} + 2\alpha_{.}^{2} + \alpha_{.}^{2} + \alpha_{.$
Polarisations: 1	$\frac{\alpha_{.}}{2} + 5 \frac{\alpha_{.}^{2}}{2}))) p^{2})/$
	$\frac{((\alpha_{\cdot} - \alpha_{\cdot})(3\alpha_{\cdot} - \alpha_{\cdot})\alpha_{\cdot})) > 0}{\text{Polarisations: } 1$
?	$k^{\mu}=(p,0,0,p)$
$k^{\mu} = (p, 0, 0, p)$?
?	?
?	$k^{\mu} = (\mathcal{E}, 0, 0, p)$
Massless particle Pole residue: $\frac{1}{(1-2)^2}$ $\frac{1}{1-2}$ 1	Quartic pole
Pole residue: $ ((-2 \alpha.^{2} + 5 \alpha. \alpha 2 \alpha.^{2} + \sqrt{(\alpha.^{2} (4 \alpha.^{2} - 8 \alpha. \alpha. + \sqrt{(\alpha.^{2} (4 \alpha.^{2} - 8 \alpha. \alpha. + \sqrt{(\alpha.^{2} (4 \alpha.^{2} + 6 \alpha.^{2} + \sqrt{(\alpha.^{2} (4 \alpha.^{2} + 6 \alpha.^{2} + \sqrt{(\alpha.^{2} (4 \alpha.^{2} + 6 \alpha.^{2} + \sqrt{(\alpha.^{2} + \sqrt{(\alpha.^{2} + 6 \alpha.^{2} + \sqrt{(\alpha.^{2} + \sqrt{(\alpha.^{2} + 6 \alpha.^{2} + \sqrt{(\alpha.^{2} + 6 \alpha.^{2} + \sqrt{(\alpha.^{2} + (\alpha.^{2$	Pole residue: $0 < -\frac{\alpha_1 p^4}{(\alpha_1 - \alpha_2) \alpha_2} & \&\& -\frac{\alpha_1 p^4}{(\alpha_1 - \alpha_2) \alpha_2} > 0$
$5 \alpha.^{2}))) p^{2})/$	Polarisations: 2
$((\alpha_{\cdot} - \alpha_{\cdot}) (3 \alpha_{\cdot} - \alpha_{\cdot}) \alpha_{\cdot}) > 0$	
Polarisations: 1	
$k^{\mu} = (p, 0, 0, p)$	$k^{\mu} = (p,0,0,p)$
?	?
$k^{\mu} = (\mathcal{E}, 0, 0, p)$	$k^{\mu} = (\mathcal{E}, 0, 0, p)$
Quartic pole	Quartic pole
Pole residue: $0 < -\frac{\alpha_{1}(3\alpha_{1} + \sqrt{105\alpha_{1}^{2} - 96\alpha_{1}\alpha_{2} + 48\alpha_{2}^{2}})p^{4}}{(\alpha_{1} - \alpha_{2})(3\alpha_{1} - \alpha_{2})\alpha_{2}} \&\&$	Pole residue: $0 < \frac{\alpha_1 (-3 \alpha_1 + \sqrt{105 \alpha_1^2 - 96 \alpha_1 \alpha_2 + 48 \alpha_2^2}) p^4}{(\alpha_1 - \alpha_2) (3 \alpha_1 - \alpha_2) \alpha_2} \& \&$
$-\frac{\alpha_{1}(3\alpha. + \sqrt{\frac{105\alpha_{1}^{2} - 96\alpha.\alpha. + 48\alpha.^{2}}{2}})p^{4}}{(1000\alpha. + \frac{1}{2})p^{4}} > 0$	$\frac{\alpha_{1} (-3 \alpha_{1} + \sqrt{105 \alpha_{1}^{2} - 96 \alpha_{1} \alpha_{1} + 48 \alpha_{1}^{2}}) p^{4}}{\frac{1}{2} (-3 \alpha_{1}^{2} + \sqrt{105 \alpha_{1}^{2} - 96 \alpha_{1} \alpha_{1} + 48 \alpha_{1}^{2}}) p^{4}}{(-3 \alpha_{1}^{2} + \sqrt{105 \alpha_{1}^{2} - 96 \alpha_{1}^{2} \alpha_{1} + 48 \alpha_{1}^{2}}) p^{4}} > 0$
Polarisations: 1	Polarisations: 1
$k^{\mu} = (p, 0, 0, p) $	
?	
$k^{\mu} = (\mathcal{E}, 0, 0, p)$	
Hexic pole $\alpha_{;^2p^6}$	
Pole residue: $0 < -\frac{\alpha \cdot ^{2} p^{6}}{3 \cdot \alpha \cdot ^{2} \alpha \cdot ^{2} + \alpha \cdot ^{3} \alpha \cdot ^{2} + \alpha \cdot ^{3}} \& \&$	
$-\frac{\alpha^{2} p^{6}}{3 \alpha^{2} \alpha \cdot 4 \alpha \cdot \alpha^{2} + \alpha^{3}}_{1 2 1 2} > 0$	
Polarisations: 1	
Unitarity conditions	
(Demonstrably impossible)	