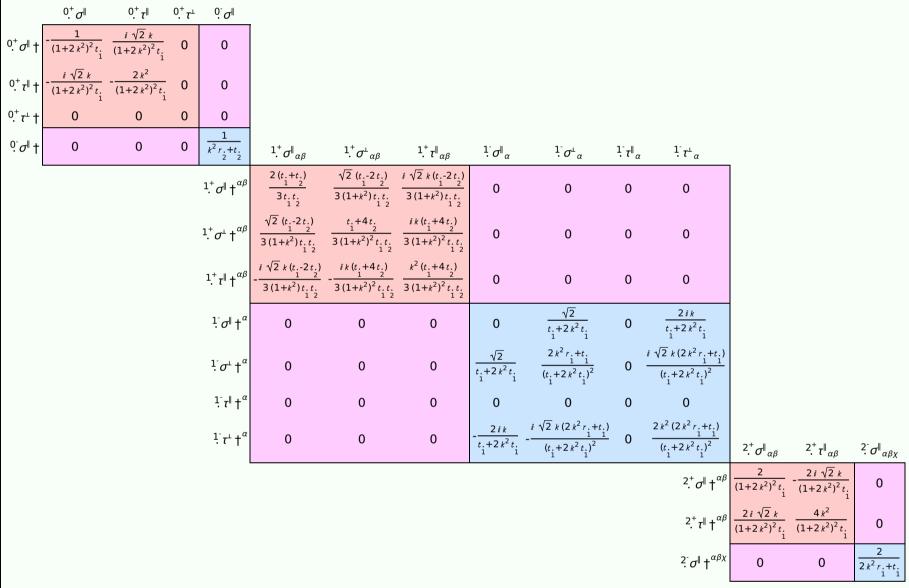
PSALTer results panel

 $S = \iiint \left(\frac{1}{6} \left(6t_{1} \mathcal{A}^{\alpha_{i}} \mathcal{A}^{\beta_{i}} + 6 \mathcal{A}^{\alpha\beta\chi} \mathcal{A}^{\beta_{i}} + 6 \mathcal{A}^{\alpha\beta\chi} \mathcal{A}^{\beta_{i}} + 6 \mathcal{A}^{\alpha\beta\chi} \mathcal{A}^{\beta_{i}} + 12t_{1} \mathcal{A}^{\beta_{i}} \partial_{\beta} \mathcal{A}^{\beta_{i}} + 12t_{1} \partial_{\beta} \mathcal{A}^{\beta_{i}} \partial_{\beta} \mathcal{A}^{\beta_{i}} + 12t_{1} \partial_{\beta} \mathcal{A}^{\beta_{i}} \partial_{\beta} \mathcal{A}^{\beta_{i}} - 12t_{1} \partial_{\beta} \mathcal{A}^{\beta_{i}} \partial_{\beta} \mathcal{A}^{\beta_{i}} + 12t_{1} \partial_{\beta} \mathcal{A}^{\beta_{i}} \partial_{\beta} \mathcal{A}^{\beta_{i}} - 12t_{1} \partial_{\beta} \mathcal{A}^{\beta_{i}} \partial_{\beta} \mathcal{A}^{\beta_{i}} + 12t_{1} \partial_{\beta} \mathcal{A}^{\beta_{i}} \partial_{\beta} \mathcal{A}^{\beta_{i}} - 12t_{1} \partial_{\beta} \mathcal{A}^{\beta_{i}} \partial_{\beta} \mathcal{A}^{\beta_{i}} + 12t_{1} \partial_{\beta} \mathcal{A}^{\beta_{i}} \partial_{\beta} \mathcal{A}^{\beta_{i}} + 12t_{1} \partial_{\beta} \mathcal{A}^{\beta_{i}} \partial_{\beta} \mathcal{A}^{\beta_{i}} - 12t_{1} \partial_{\beta} \mathcal{A}^{\beta_{i}} \partial_{\beta} \mathcal{A}^{\beta_{i}} + 12t_{1} \partial_{\beta} \mathcal{A}^{\beta_{i}} \partial_{\beta} \mathcal{A}^{\beta_{i}} - 12t_{1} \partial_{\beta} \mathcal{A}^{\beta_{i}} \partial_{\beta} \mathcal{A}^{\beta_{i}} + 12t_{1} \partial_{\beta} \mathcal{A}^{\beta_{i}} \partial_{\beta} \mathcal{A}^{\beta_{i}} \partial_{\beta} \mathcal{A}^{\beta_{i}} + 12t_{1} \partial_{\beta} \mathcal{A}^{\beta_{i}} \partial_{\beta} \mathcal{A}^{\beta_{i}} - 12t_{1} \partial_{\beta} \mathcal{A}^{\beta_$

Wave operator

	0 ${}^{\mathcal{H}}$	$0.7f^{\parallel}$	$^{\circ}f^{\perp}$	${}^{0}\mathcal{H}^{\parallel}$										
${}^{0^+}_{\cdot}\mathcal{F}^{\parallel}_{}\dagger$	-t. 1	$i \sqrt{2} kt_1$	0	0										
^{0,+} f [∥] †	$-i \sqrt{2} kt$	$-2 k^2 t$.	0	0										
0.+ f +	0	0	0	0										
^{0.} Æ [∥] †	0	0	0	$k^2 r_{\cdot \cdot} + t_{\cdot \cdot}$	$^{1.^{+}}\mathcal{F}^{\parallel}{}_{\alpha\beta}$	$^{1.^{+}}\mathcal{A}^{\perp}{}_{lphaeta}$	$1.^+f^{\parallel}_{\alpha\beta}$	$^{1}\mathcal{A}^{\parallel}{}_{lpha}$	$^1{\mathscr H}^{\scriptscriptstyle\perp}{}_{lpha}$	$1^{-}f^{\parallel}_{\alpha}$	$^{1}f_{a}^{\perp}$			
				$^{1.}^{+}\mathcal{A}^{\parallel}\dagger^{^{lphaeta}}$	$\frac{1}{6}(t_1+4t_1)$	$-\frac{t_1-2t_2}{3\sqrt{2}}$	$-\frac{i k (t_1 - 2 t_1)}{3 \sqrt{2}}$	0	0	0	0			
				$^{1^{+}}\mathcal{H}^{\perp}\dagger^{lphaeta}$	$-\frac{t2t.}{3\sqrt{2}}$	$\frac{t.+t.}{\frac{1}{3}}$	$\frac{1}{3}ik(t_1+t_2)$	0	0	0	0			
				$f^{\dagger} f^{\dagger} \uparrow^{\alpha\beta}$	$\frac{i k (t2 t.)}{3 \sqrt{2}}$	$-\frac{1}{3} i k (t_1 + t_2)$	$\frac{1}{3}k^2(t_1+t_2)$	0	0	0	0			
				$^{1}\mathcal{H}^{\parallel}$ † lpha	0	0	0	$-k^2 r_1 - \frac{t_1}{2}$	$\frac{t_1}{\sqrt{2}}$	0	ikt. 1			
				$\frac{1}{2}\mathcal{F}^{\perp} \uparrow^{\alpha}$	0	0	0	$\frac{t_1}{\sqrt{2}}$	0	0	0			
				$^{1}f^{\parallel}\uparrow^{\alpha}$	0	0	0	0	0	0	0			
				$\frac{1}{2}f^{\perp}\uparrow^{\alpha}$	0	0	0	-Īkt. 1	0	0	0	$^{2^{+}}\mathcal{A}^{\parallel}{}_{\alpha\beta}$	$2^+_{\cdot}f^{\parallel}_{\alpha\beta}$	$^{2}\mathcal{H}^{\parallel}{}_{lphaeta\chi}$
											$^{2.}\mathcal{A}^{\parallel}\dagger^{lphaeta}$	$\frac{t}{2}$	$-\frac{i k t}{\sqrt{2}}$	0
											$2.^{+}f^{\parallel}$ †	$\frac{i k t}{\sqrt{2}}$	$k^2 t$.	0
											$2^{-}\mathcal{H}^{\parallel} + ^{\alpha\beta\chi}$	0	0	$k^2 r_1 + \frac{t_1}{2}$

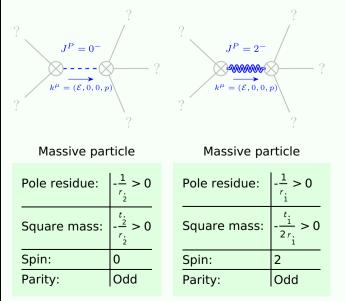
Saturated propagator



Source constraints

A					
Spin-parity form	Covariant form	Multiplicities			
$0^{+}_{\cdot} \tau^{\perp} == 0$	$\partial_{\beta}\partial_{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\beta}=0$	1			
$-2 \overline{i} k \stackrel{0^+}{\cdot} \sigma^{\parallel} + \stackrel{0^+}{\cdot} \tau^{\parallel} == 0$	$\partial_{\beta}\partial_{\alpha}\tau \left(\Delta + \mathcal{K}\right)^{\alpha\beta} = \partial_{\beta}\partial^{\beta}\tau \left(\Delta + \mathcal{K}\right)^{\alpha}_{\alpha} + 2\partial_{\chi}\partial^{\chi}\partial_{\beta}\sigma^{\alpha}_{\alpha}^{\beta}$	1			
$2 i k 1 \sigma^{\perp \alpha} + 1 \tau^{\perp \alpha} == 0$	$\partial_{\chi}\partial_{\beta}\partial^{\alpha}\tau \left(\Delta + \mathcal{K}\right)^{\beta\chi} == \partial_{\chi}\partial^{\chi}\partial_{\beta}\tau \left(\Delta + \mathcal{K}\right)^{\alpha\beta} + 2\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial_{\beta}\sigma^{\beta\alpha\chi}$	3			
1. T a == 0	$\partial_{\chi}\partial_{\beta}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\beta\chi}==\partial_{\chi}\partial^{\chi}\partial_{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\beta\alpha}$	3			
$i k 1^{+}_{\cdot} \sigma^{\perp}^{\alpha\beta} + 1^{+}_{\cdot} \tau^{\parallel}^{\alpha\beta} == 0$	$\partial_{\chi}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\beta\chi} + \partial_{\chi}\partial^{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\chi\alpha} + \partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\beta} + 2\partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta} + 2\partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\chi\alpha\beta} = \partial_{\chi}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\chi\beta} + \partial_{\chi}\partial^{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi} + \partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\beta\alpha} + 2\partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta}$	3			
$-2 i k 2^{+}_{.} \sigma^{\parallel^{\alpha\beta}} + 2^{+}_{.} \tau^{\parallel^{\alpha\beta}} == 0$	$-i\left(4\partial_{\delta}\partial_{\chi}\partial^{\beta}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\chi\delta}+2\partial_{\delta}\partial^{\delta}\partial^{\beta}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\chi}{}_{\chi}-3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\beta\chi}-3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\chi\beta}-3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi}-3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\chi}+3\partial_{\delta}\partial^{\lambda}\partial_{\chi}\partial^{\chi}\tau\left$	5			
	$4 i k^{\chi} \partial_{\epsilon} \partial_{\chi} \partial^{\beta} \partial^{\alpha} \sigma^{\delta}_{\delta} - 6 i k^{\chi} \partial_{\epsilon} \partial_{\delta} \partial_{\chi} \partial^{\alpha} \sigma^{\delta \beta \epsilon} - 6 i k^{\chi} \partial_{\epsilon} \partial_{\delta} \partial_{\chi} \partial^{\beta} \sigma^{\delta \alpha \epsilon} + 6 i k^{\chi} \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial_{\chi} \sigma^{\alpha \beta \delta} + 6 i k^{\chi} \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial_{\chi} \sigma^{\beta \alpha \delta} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial_{\chi} \tau (\Delta + \mathcal{K})^{\chi \delta} - 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial^{\delta} \tau (\Delta + \mathcal{K})^{\chi}_{\chi} - 4 i \eta^{\alpha \beta} k^{\chi} \partial_{\phi} \partial^{\phi} \partial_{\epsilon} \partial_{\chi} \sigma^{\delta}_{\delta} = 0$				
Total expected gauge generators:					

Massive spectrum



Massless spectrum

(No particles)

Unitarity conditions

r. < 0 &&t. > 0 &&r. < 0 &&t. > 0