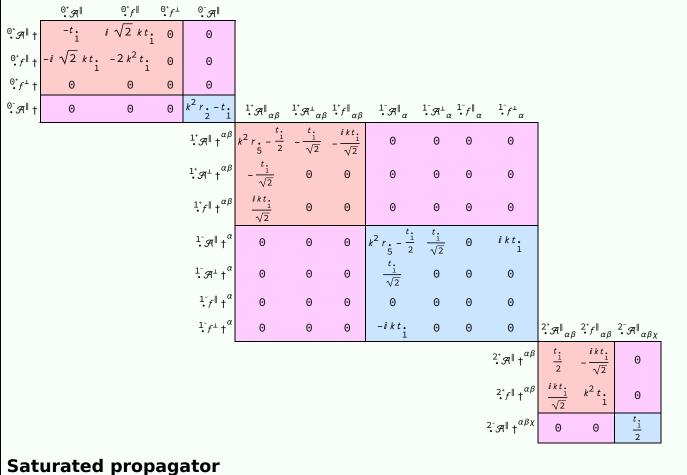
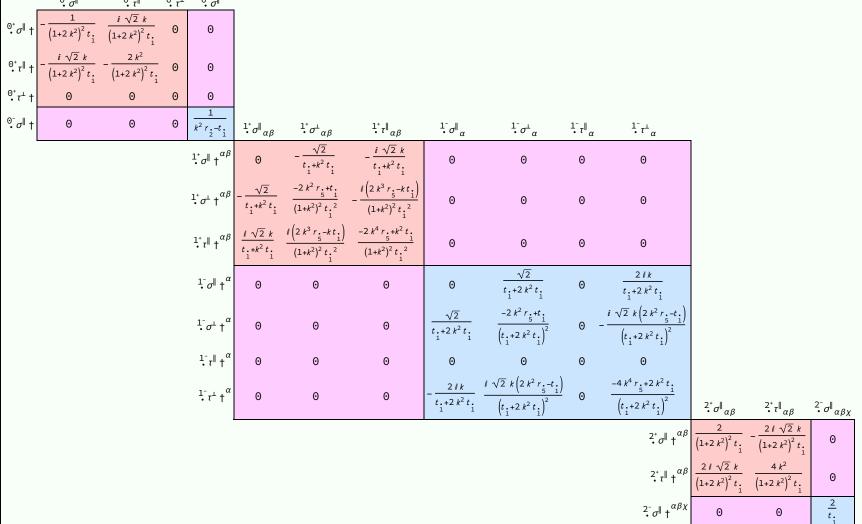
PSALTer results panel $S = \frac{1}{1} \int \int \int \left(\mathcal{A}^{\alpha\beta\chi} \sigma_{\alpha\beta\chi} + f^{\alpha\beta} \tau \left(\Delta + \mathcal{K} \right)_{\alpha\beta} + \frac{1}{3} r_{2} \left(4 \partial_{\beta} \mathcal{A}_{\alpha i \theta} - 2 \partial_{\beta} \mathcal{A}_{\alpha \theta i} + 2 \partial_{\beta} \mathcal{A}_{i \theta \alpha} - \partial_{i} \mathcal{A}_{\alpha \beta \theta} + \partial_{\theta} \mathcal{A}_{\alpha \beta i} - 2 \partial_{\theta} \mathcal{A}_{\alpha i \beta} \right) \partial^{\theta} \mathcal{A}^{\alpha\beta i} + \frac{1}{2} t_{1} \left(2 \mathcal{A}^{\alpha i}_{\alpha} \mathcal{A}^{\theta}_{i \theta} - 4 \mathcal{A}^{\theta}_{\alpha \theta} \partial_{i} f^{\alpha i} + 4 \mathcal{A}^{\theta}_{i \theta} \partial^{\theta} f^{\alpha i} - 2 \partial_{\alpha} f_{i \theta} \partial^{\theta} f^{\alpha i} - \partial_{\alpha} f_{\theta i} \partial^{\theta} f^{\alpha i} + \partial_{i} f_{\alpha \theta} \partial^{\theta} f^{\alpha i} + \partial_{\theta} f_{\alpha i} \partial^{\theta} f^{\alpha i$

 $2 \, \mathcal{A}_{\alpha\theta} \, , \, \left(\mathcal{A}^{\alpha \, i \, \theta} \, + 2 \, \partial^{\theta} f^{\alpha \, i} \right) \right) + r \underbrace{}_{5} \left(\partial_{i} \mathcal{A}_{\theta \ \ \, K}^{\ \ \, K} \, \partial^{\theta} \mathcal{A}^{\alpha \, i}_{\ \ \, \alpha} - \partial_{\theta} \mathcal{A}_{i \ \, K}^{\ \ \, K} \, \partial^{\theta} \mathcal{A}^{\alpha \, i}_{\ \ \, \alpha} - \left(\partial_{\alpha} \mathcal{A}^{\alpha \, i \, \theta} - 2 \, \partial^{\theta} \mathcal{A}^{\alpha \, i}_{\ \ \, \alpha} \right) \left(\partial_{\kappa} \mathcal{A}_{i \ \ \, \theta}^{\ \ \, K} - \partial_{\kappa} \mathcal{A}_{\theta \ \, i}^{\ \ \, K} \right) \right) \right) [t \, , \, x \, , \, y \, , \, z] \, dz \, dy \, dx \, dt$

Wave operator

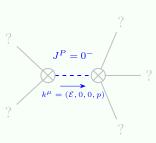




Source constraints

Spin-parity form	Covariant form	Multiplicities
⁰⁺ _• τ [⊥] == 0	$\partial_{\beta}\partial_{\alpha\tau}\left(\Delta+\mathcal{K}\right)^{\alpha\beta}=0$	1
$-2 i k \cdot 0^+ \sigma^{\parallel} + 0^+ \tau^{\parallel} == 0$	$\partial_{\beta}\partial_{\alpha}\tau \left(\Delta + \mathcal{K}\right)^{\alpha\beta} = \partial_{\beta}\partial^{\beta}\tau \left(\Delta + \mathcal{K}\right)^{\alpha}_{\alpha} + 2 \partial_{\chi}\partial^{\chi}\partial_{\beta}\sigma^{\alpha}_{\alpha}^{\beta}$	1
$\frac{2 i k \cdot 1^{-} \sigma^{\perp}^{\alpha} + \cdot 1^{-} \tau^{\perp}^{\alpha} == 0}{$	$\partial_{\chi}\partial_{\beta}\partial^{\alpha}{}_{\tau} \left(\Delta + \mathcal{K}\right)^{\beta\chi} = \partial_{\chi}\partial^{\chi}\partial_{\beta\tau} \left(\Delta + \mathcal{K}\right)^{\alpha\beta} + 2 \partial_{\delta}\partial^{\delta}\partial_{\chi}\partial_{\beta}\sigma^{\beta\alpha\chi}$	3
$\frac{1^{-}}{\tau}\parallel^{\alpha}=0$	$\partial_{\chi}\partial_{\beta}\partial^{\alpha}_{\tau} \left(\Delta + \mathcal{K}\right)^{\beta\chi} = \partial_{\chi}\partial^{\chi}\partial_{\beta\tau} \left(\Delta + \mathcal{K}\right)^{\beta\alpha}$	3
$i k \stackrel{1^+}{\cdot} \sigma^{\perp}^{\alpha\beta} + \stackrel{1^+}{\cdot} \tau^{\parallel}^{\alpha\beta} = 0$	$\partial_{\chi}\partial^{\alpha}{}_{\tau}\left(\Delta+\mathcal{K}\right)^{\beta\chi} + \partial_{\chi}\partial^{\beta}{}_{\tau}\left(\Delta+\mathcal{K}\right)^{\chi\alpha} + \partial_{\chi}\partial^{\chi}{}_{\tau}\left(\Delta+\mathcal{K}\right)^{\alpha\beta} + 2 \partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta} + 2 \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\chi\alpha\beta} = =$	3
	$\partial_{\chi}\partial^{\alpha}\tau \left(\Delta + \mathcal{K}\right)^{\chi\beta} + \partial_{\chi}\partial^{\beta}\tau \left(\Delta + \mathcal{K}\right)^{\alpha\chi} + \partial_{\chi}\partial^{\chi}\tau \left(\Delta + \mathcal{K}\right)^{\beta\alpha} + 2 \partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta}$	
$-2 i k \frac{2^+}{2} \sigma \ ^{\alpha \beta} + \frac{2^+}{2} \tau \ ^{\alpha \beta} = 0$	$-i\left(4\ \partial_{\delta}\partial_{\chi}\partial^{\beta}\partial^{\alpha}_{\tau}\left(\Delta+\mathcal{K}\right)^{\chi\delta}+2\ \partial_{\delta}\partial^{\delta}\partial^{\beta}\partial^{\alpha}_{\tau}\left(\Delta+\mathcal{K}\right)^{\chi}_{\chi}-3\ \partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\alpha}_{\tau}\left(\Delta+\mathcal{K}\right)^{\beta\chi}-3\ \partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\alpha}_{\tau}\left(\Delta+\mathcal{K}\right)^{\chi\beta}-3\ \partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\alpha}\partial_{\chi}$	5
	$3 \partial_{\delta} \partial^{\delta} \partial_{\chi} \partial^{\beta} \tau \left(\Delta + \mathcal{K} \right)^{\alpha \chi} - 3 \partial_{\delta} \partial^{\delta} \partial_{\chi} \partial^{\beta} \tau \left(\Delta + \mathcal{K} \right)^{\chi \alpha} + 3 \partial_{\delta} \partial^{\delta} \partial_{\chi} \partial^{\chi} \tau \left(\Delta + \mathcal{K} \right)^{\alpha \beta} + 3 \partial_{\delta} \partial^{\delta} \partial_{\chi} \partial^{\chi} \tau \left(\Delta + \mathcal{K} \right)^{\beta \alpha} + \\$	
	$4 i k^{X} \partial_{\epsilon} \partial_{\chi} \partial^{\beta} \partial^{\alpha} \sigma^{\delta}_{\delta} - 6 i k^{X} \partial_{\epsilon} \partial_{\delta} \partial_{\chi} \partial^{\alpha} \sigma^{\delta \beta \epsilon} - 6 i k^{X} \partial_{\epsilon} \partial_{\delta} \partial_{\chi} \partial^{\beta} \sigma^{\delta \alpha \epsilon} + 6 i k^{X} \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial_{\chi} \sigma^{\alpha \beta \delta} +$	
	$ 6 \ \emph{i} \ \emph{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 \left(\Delta + \mathcal{K} \right)^{\chi \delta} - 2 \ \eta^{\alpha \beta} \ \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial^{\delta} \tau \left(\Delta + \mathcal{K} \right)^{\chi} - 4 \ \emph{i} \ \eta^{\alpha \beta} \ \emph{k}^{\chi} \ \partial_{\phi} \partial^{\phi} \partial_{\epsilon} \partial_{\chi} \sigma^{\delta} \ \emph{e} $	
Total expected gauge generators:		16

Massive spectrum



Massive particle

Pole residue:	$-\frac{1}{r_{.}} > 0$
Square mass:	$\frac{\frac{t}{1}}{\frac{r}{2}} > 0$
Spin:	0
Parity:	Odd

Massless spectrum

(No particles)

Unitarity conditions

 $r \cdot < 0 & t \cdot < 0$