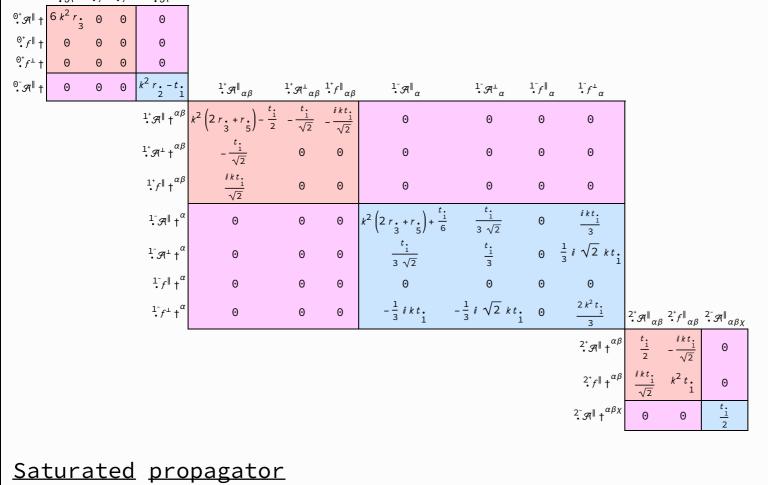
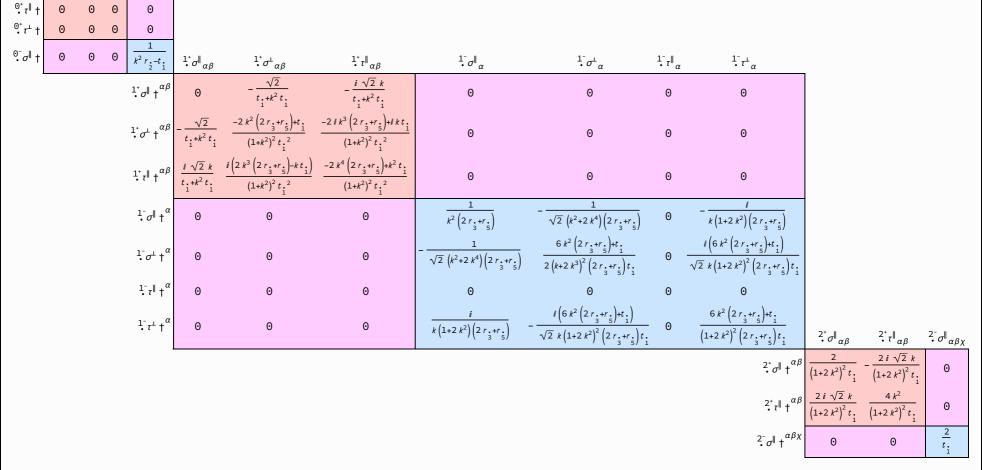
$S = \iiint \left(\mathcal{A}^{\alpha\beta\chi} \ \sigma_{\alpha\beta\chi} + f^{\alpha\beta} \ \tau \left(\Delta + \mathcal{K} \right)_{\alpha\beta} + \frac{1}{3} r_{\frac{1}{2}} \left(4 \, \partial_{\beta} \mathcal{A}_{\alpha_1 \theta} - 2 \, \partial_{\beta} \mathcal{A}_{\alpha\theta_1} + 2 \, \partial_{\beta} \mathcal{A}_{\alpha_1 \theta} - \partial_{\alpha} \mathcal{A}_{\alpha\beta_1} + \partial_{\theta} \mathcal{A}_{\alpha\beta_1} - 2 \, \partial_{\theta} \mathcal{A}_{\alpha_1 \beta} \right) \partial^{\theta} \mathcal{A}^{\alpha\beta_1} - 2 \, \partial_{\alpha} \mathcal{A}_{\alpha_1 \theta} + \partial_{\alpha} \mathcal{A}^{\alpha\beta_1} \, \partial_{\theta} \mathcal{A}_{\beta_1} + 2 \, \partial_{\beta} \mathcal{A}_{\alpha_1 \theta} \, \partial^{\theta} \mathcal{A}^{\alpha\beta_1} \right) + \\ \frac{1}{6} t_{\frac{1}{2}} \left(2 \, \mathcal{A}^{\alpha_1}_{\alpha_1} \, \mathcal{A}^{\theta}_{\beta_1} - 4 \, \mathcal{A}^{\theta}_{\alpha_1} \, \partial_{\theta} f^{\alpha_1} + 4 \, \mathcal{A}^{\theta}_{\beta_1} \, \partial^{\theta} f^{\alpha_2}_{\alpha_1} - 2 \, \partial_{\beta} f^{\alpha_1}_{\theta_1} \, \partial_{\theta} f^{\alpha_1}_{\alpha_1} + 4 \, \partial^{\theta}_{\beta_1} \, \partial^{\theta} f^{\alpha_2}_{\alpha_1} - 2 \, \partial_{\beta} f^{\alpha_1}_{\alpha_1} \, \partial_{\theta} f^{\alpha_2}_{\alpha_1} + 4 \, \partial^{\theta}_{\beta_1} \, \partial^{\theta} f^{\alpha_1}_{\alpha_2} - 2 \, \partial_{\beta} f^{\alpha_1}_{\alpha_2} \, \partial_{\theta} f^{\alpha_1}_{\alpha_2} + 4 \, \partial^{\theta}_{\beta_1} \, \partial^{\theta}_{\beta_2} \, \partial^$

0⁺~**≈**∥ °°+∥ °°+ ° ° ~

PSALTer results panel



1 1 5

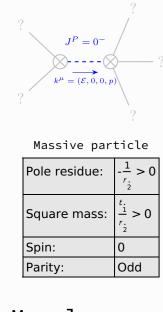


Spin-parity form Covariant form

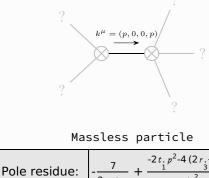
Source constraints

Spin-parity form	Covariant form	Multiplicities
^{Θ+} τ [⊥] == Θ	$\partial_{\beta}\partial_{\alpha}\tau \left(\Delta+\mathcal{K}\right)^{\alpha\beta} = 0$	1
⊙ ⁺ τ∥ == Θ	$\partial_{\beta}\partial_{\alpha\tau} \left(\Delta + \mathcal{K}\right)^{\alpha\beta} == \partial_{\beta}\partial^{\beta}\tau \left(\Delta + \mathcal{K}\right)^{\alpha}_{\alpha}$	1
$2 i k \frac{1}{\cdot} \sigma^{\perp}^{\alpha} + \frac{1}{\cdot} \tau^{\perp}^{\alpha} = 0$	$\partial_{\chi}\partial_{\beta}\partial^{\alpha}\tau \left(\Delta + \mathcal{K}\right)^{\beta\chi} = \partial_{\chi}\partial^{\chi}\partial_{\beta}\tau \left(\Delta + \mathcal{K}\right)^{\alpha\beta} + 2 \partial_{\sigma}\partial^{\delta}\partial_{\chi}\partial_{\beta}\sigma^{\beta\alpha\chi}$	3
1- ₇ ^α == 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
$i k \cdot 1^+ \sigma^{\perp} \alpha^{\beta} + 1^+ \tau^{\parallel} \alpha^{\beta} = 0$	$\partial_{\chi}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\beta\chi} + \partial_{\chi}\partial^{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\chi\alpha} + \partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\beta} + 2 \partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta} + 2 \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\chi\alpha\beta} = \partial_{\chi}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\chi\beta} + \partial_{\chi}\partial^{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi} + \partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\beta} + 2 \partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta}$	3
$-2 i k 2_{\bullet}^{+} \sigma \ ^{\alpha \beta} + 2_{\bullet}^{+} \tau \ ^{\alpha \beta} = 0$	$ = \frac{1}{2} \left[-i \left(4 \partial_{\delta} \partial_{\chi} \partial^{\beta} \partial^{\alpha}_{\tau} (\Delta + \mathcal{K})^{\chi \delta} + 2 \partial_{\delta} \partial^{\delta} \partial^{\beta} \partial^{\alpha}_{\tau} (\Delta + \mathcal{K})^{\chi}_{\chi} - 3 \partial_{\delta} \partial^{\delta} \partial_{\chi} \partial^{\alpha}_{\tau} (\Delta + \mathcal{K})^{\beta \chi} - 3 \partial_{\delta} \partial^{\delta} \partial_{\chi} \partial^{\alpha}_{\tau} (\Delta + \mathcal{K})^{\chi \delta} - 3 \partial_{\delta} \partial^{\delta} \partial_{\chi} \partial^{\beta}_{\tau} (\Delta + \mathcal{K})^{\chi \alpha} + 2 \partial_{\delta} \partial^{\delta} \partial^{\beta} \partial^{\alpha}_{\tau} (\Delta + \mathcal{K})^{\chi \alpha}_{\chi} - 3 \partial_{\delta} \partial^{\delta} \partial^{\alpha}_{\chi} (\Delta + \mathcal{K})^{\chi \alpha}_{\chi} \right] $	5
	$3 \partial_{\delta} \partial^{\delta} \partial_{\chi} \partial^{\chi}_{\tau} \left(\Delta + \mathcal{K} \right)^{\alpha \beta} + 3 \partial_{\delta} \partial^{\delta} \partial_{\chi} \partial^{\chi}_{\tau} \left(\Delta + \mathcal{K} \right)^{\beta \alpha} + 4 i k^{\chi} \partial_{\epsilon} \partial_{\chi} \partial^{\beta} \partial^{\alpha} \sigma^{\delta}_{\delta}^{\epsilon} - 6 i k^{\chi} \partial_{\epsilon} \partial_{\delta} \partial_{\chi} \partial^{\alpha} \sigma^{\delta \beta \epsilon} - 6 i k^{\chi} \partial_{\epsilon} \partial_{\delta} \partial_{\chi} \partial^{\beta} \sigma^{\delta \alpha \epsilon} +$	
	$ 6 \ i \ k^{X} \ \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial_{\chi} \sigma^{\alpha\beta\delta} + 6 \ i \ k^{X} \ \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}_{\chi} - 4 \ i \ \eta^{\alpha\beta} \ k^{X} \ \partial_{\phi} \partial^{\phi} \partial_{\epsilon} \partial_{\chi} \sigma^{\delta}_{\delta} = 0 $	
Total expected gauge generators:		16

<u>Massive</u> <u>spectrum</u>



<u>Massless</u> <u>spectrum</u>



Polarisations: 2 Gauge symmetries

(Not yet implemented in PSALTer)

<u>Unitarity</u> conditions

r. ∈ R &&r. < 0 &&t. < 0 &&r. < -2 r. 3 2 1 5 3

<u>Validity</u> assumptions

(Not yet implemented in PSALTer)