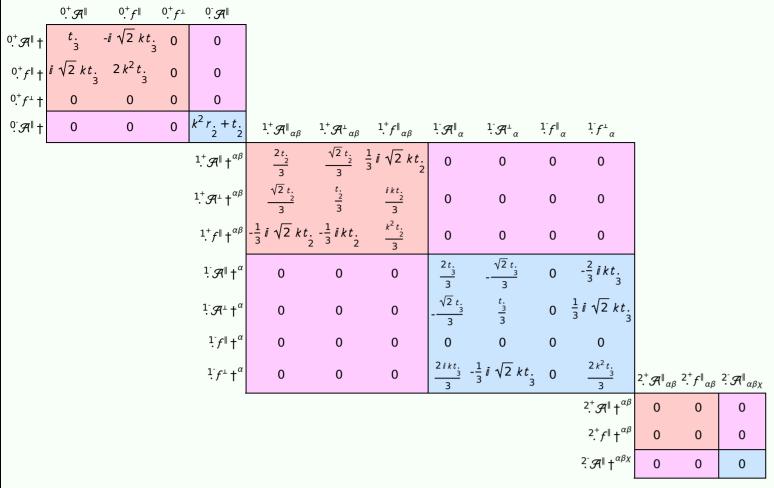
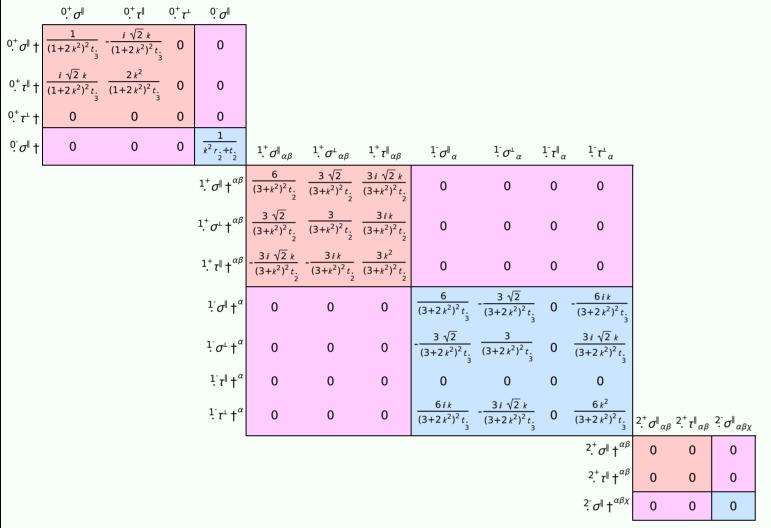
PSALTer results panel

 $S = \iiint (\frac{1}{6} \left(-4t_{3} \mathcal{A}^{\alpha_{i}} \mathcal{A}^{\beta_{i}} + 6 \mathcal{A}^{\alpha\beta\chi} \sigma_{\alpha\beta\chi} + 6 f^{\alpha\beta} \tau (\Delta + \mathcal{K})_{\alpha\beta} + 8t_{3} \mathcal{A}^{\beta_{\alpha}}_{\alpha \theta} \partial_{i} f^{\alpha_{i}} - 8t_{3} \mathcal{A}^{\beta_{\alpha}}_{\alpha \theta} \partial_{i} f^{\alpha_{\alpha}} + 4t_{3} \partial_{i} f^{\theta_{\alpha}}_{\alpha \theta} \partial_{i} f^{\alpha_{\alpha}} + 4t_{3} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} f^{\alpha_{\alpha}} + 4t_{3} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} \mathcal{A}^{\alpha\beta_{i}} - 4r_{2} \partial_{\beta} \mathcal{A}_{\alpha\beta_{i}} \partial_{i} \mathcal{A}^{\alpha\beta_{i}} + 4r_{2} \partial_{\beta} \mathcal{A}_{\alpha\beta_{i}} \partial_{i} \mathcal{A}^{\alpha\beta_{i}} - 2r_{2} \partial_{i} \mathcal{A}_{\alpha\beta_{i}} \partial_{i} \mathcal{A}^{\alpha\beta_{i}} + 4r_{3} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} + 4t_{3} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} \mathcal{A}^{\alpha\beta_{i}} - 4r_{2} \partial_{\beta} \mathcal{A}_{\alpha\beta_{i}} \partial_{i} \mathcal{A}^{\alpha\beta_{i}} + 4r_{2} \partial_{\beta} \mathcal{A}_{\alpha\beta_{i}} \partial_{i} \mathcal{A}^{\alpha\beta_{i}} + 2r_{2} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} \mathcal{A}^{\alpha\beta_{i}} + 4r_{3} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} \mathcal{A}^{\alpha\beta_{i}} + 4r_{3} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} + 4r_{3} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} \mathcal{A}^{\alpha\beta_{i}} - 4r_{3} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} \mathcal{A}^{\alpha\beta_{i}} - 4r_{3} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} \mathcal{A}^{\alpha\beta_{i}} + 4r_{3} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} \mathcal{A}^{\alpha\beta_{i}} - 4r_{3} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{i} \mathcal{A}^{\alpha\beta_{i}} - 4r_{3} \partial_{i} f^{\alpha_{\alpha}}_{\alpha \theta} \partial_{$

Wave operator



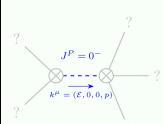
Saturated propagator



Source constraints

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
$-2 \bar{\imath} k^{0^{+}} \sigma^{\parallel} + {}^{0^{+}} \tau^{\parallel} == 0$	$\partial_{\beta}\partial_{\alpha}\tau \left(\Delta + \mathcal{K}\right)^{\alpha\beta} = \partial_{\beta}\partial^{\beta}\tau \left(\Delta + \mathcal{K}\right)^{\alpha}_{\alpha} + 2\partial_{\chi}\partial^{\chi}\partial_{\beta}\sigma^{\alpha}_{\alpha}^{\beta}$	1
$-i k \cdot 1 \sigma^{\parallel \alpha} + 1 \tau^{\perp \alpha} == 0$	$\partial_{\chi}\partial_{\beta}\partial^{\alpha}\tau \left(\Delta + \mathcal{K}\right)^{\beta\chi} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\partial_{\beta}\sigma^{\beta\alpha\chi} = \partial_{\chi}\partial^{\chi}\partial_{\beta}\tau \left(\Delta + \mathcal{K}\right)^{\alpha\beta} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\beta}_{\ \beta}^{\ \chi} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\partial^{\chi}\sigma^{\beta\alpha}_{\ \beta}$	3
1- _τ ^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
$\frac{1}{1}\sigma^{\parallel^{\alpha}} + 2 \frac{1}{1}\sigma^{\perp^{\alpha}} == 0$	$\partial_{\chi}\partial^{\alpha}\sigma^{\beta}_{\ \beta}^{\ \chi} + \partial_{\chi}\partial^{\chi}\sigma^{\beta\alpha}_{\ \beta} = 3 \partial_{\chi}\partial_{\beta}\sigma^{\beta\alpha\chi}$	3
$\bar{l} k 1_{\cdot \sigma}^{+} = 0$	$\partial_{\chi}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\beta\chi} + \partial_{\chi}\partial^{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\chi\alpha} + \partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\beta} + \partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\alpha\beta\chi} = = \partial_{\chi}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\chi\beta} + \partial_{\chi}\partial^{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi} + \partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\beta\alpha} + \partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\beta\alpha\chi} = = \partial_{\chi}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\chi\beta} + \partial_{\chi}\partial^{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi} + \partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\beta\alpha} + \partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\beta\alpha\chi} = = \partial_{\chi}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\chi\beta} + \partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\chi} + \partial_{$	3
$1^+_{\cdot}\sigma^{\parallel}{}^{\alpha\beta} = 1^+_{\cdot}\sigma^{\perp}{}^{\alpha\beta}$	$3\partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\beta\alpha\chi} + 2\partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\chi\alpha\beta} = 3\partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\alpha\beta\chi}$	3
$2^{-}\sigma^{\parallel^{\alpha\beta\chi}}=0$	$ 3 \partial_{\epsilon} \partial_{\delta} \partial^{\chi} \partial^{\alpha} \sigma^{\delta\beta\epsilon} + 3 \partial_{\epsilon} \partial^{\epsilon} \partial^{\chi} \partial^{\alpha} \sigma^{\delta\beta}_{ $	5
	$3 \partial_{\epsilon} \partial_{\delta} \partial^{\chi} \partial^{\beta} \sigma^{\delta \alpha \epsilon} + 3 \partial_{\epsilon} \partial^{\epsilon} \partial^{\chi} \partial^{\beta} \sigma^{\delta \alpha}_{ \delta} + 2 \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial^{\alpha} \sigma^{\chi \beta \delta} + 4 \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial^{\alpha} \sigma^{\chi \beta \delta} + 2 \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial^{\alpha} \sigma^{\delta \beta \chi} + 2 \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial^{\chi} \sigma^{\alpha \beta \delta} + 2 \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial^{\chi} \sigma^{\alpha \beta \delta} + 2 \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial^{\chi} \sigma^{\alpha \beta \delta} + 2 \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial^{\chi} \sigma^{\alpha \beta \delta} + 2 \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial^{\chi} \sigma^{\alpha \beta \delta} + 2 \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial^{\chi} \sigma^{\alpha \beta \delta} + 2 \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial^{\chi} \sigma^{\alpha \beta \delta} + 2 \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial^{\chi} \sigma^{\alpha \beta \delta} + 2 \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial^{\chi} \sigma^{\alpha \beta \delta} + 2 \partial_{\epsilon} \partial^{\kappa} \partial^{\chi} \partial^{\kappa} \sigma^{\kappa \lambda} + 2 \partial_{\kappa} \partial^{\kappa} \partial$	
$2^+_{\cdot} \tau^{\parallel^{\alpha\beta}} == 0$	$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} + 3 \partial_{\delta} \partial^{\delta} \partial_{\chi} \partial^{\chi} \tau (\Delta + \mathcal{K})^{\alpha \beta} + 3 \partial_{\delta} \partial^{\delta} \partial_{\chi} \partial^{\chi} \tau (\Delta + \mathcal{K})^{\beta \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\beta \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\beta \alpha} + 3 \partial_{\delta} \partial^{\delta} \partial_{\chi} \partial^{\beta} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\epsilon} \partial_{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\beta \alpha} + 3 \partial_{\delta} \partial^{\delta} \partial_{\chi} \partial^{\beta} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\alpha} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\epsilon} \partial^{\delta} \partial_{\chi} \partial^{\alpha} \tau (\Delta + \mathcal{K})^{\alpha \alpha} + 2 \eta^{\alpha \beta} \partial_{\alpha} \partial^{\alpha} \partial^$	5
$2^+_{\alpha}\sigma^{\parallel}^{\alpha\beta} == 0$	$3\partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta} + 3\partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta} + 2\eta^{\alpha\beta}\partial_{\epsilon}\partial^{\epsilon}\partial_{\delta}\sigma^{\chi}_{\chi}^{\delta} = 2\partial_{\delta}\partial^{\beta}\partial^{\alpha}\sigma^{\chi}_{\chi}^{\delta} + 3(\partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\alpha\beta\chi} + \partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\alpha\beta\chi})$	5
Total expected gauge generators:		32

Massive spectrum



Massive particle

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

Massless spectrum

(No particles)

Unitarity conditions

r. < 0 &&t. > 0