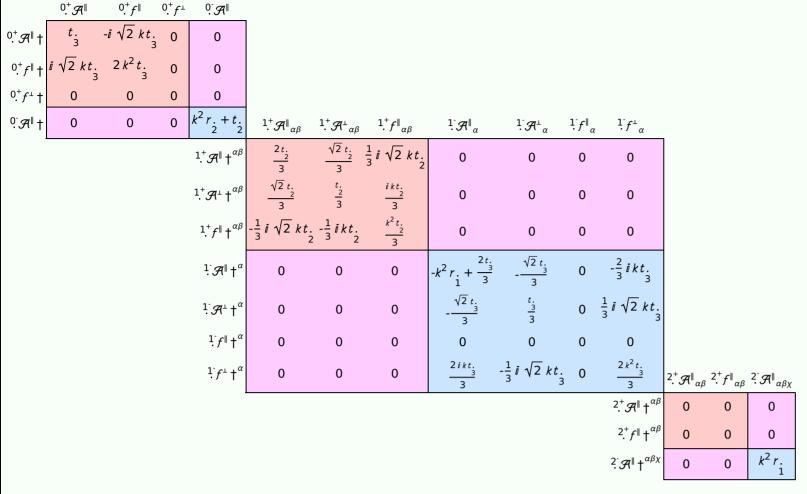
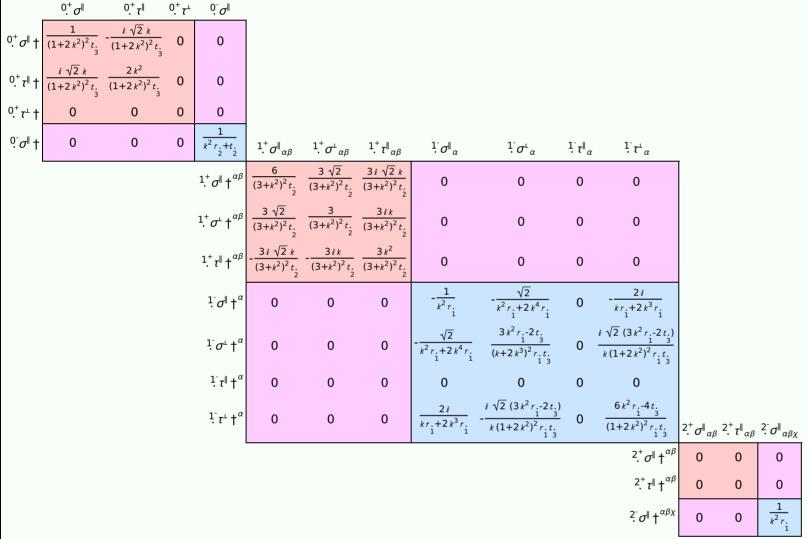
PSALTer results panel $\iiint \int (\frac{1}{6} \left(-4t_{3} \mathcal{R}^{\alpha_{i}}_{\alpha} \mathcal{R}^{\theta}_{i} + 6 \mathcal{R}^{\alpha\beta\chi} \sigma_{\alpha\beta\chi} + 6 f^{\alpha\beta} \tau (\Delta + \mathcal{K})_{\alpha\beta} + 8t_{3} \mathcal{R}^{\theta}_{\alpha} \partial_{i} f^{\alpha_{i}} - 12r_{1} \partial_{\beta} \mathcal{R}^{\theta}_{i} \partial_{i} \mathcal{R}^{\alpha\beta}_{\alpha} + 12r_{1} \partial_{i} \mathcal{R}^{\theta}_{\beta} \partial_{i} \mathcal{R}^{\alpha\beta}_{\alpha} - 8t_{3} \mathcal{R}^{\theta}_{i} \partial_{i} f^{\alpha}_{\alpha} + 4t_{3} \partial_{i} f^{\theta}_{\theta} \partial_{i} f^{\alpha}_{\alpha} + 12r_{1} \partial_{\alpha} \mathcal{R}^{\alpha\beta_{i}} \partial_{\theta} \mathcal{R}^{\theta}_{\beta} - 24r_{1} \partial_{i} \mathcal{R}^{\alpha\beta}_{\alpha} \partial_{\theta} \mathcal{R}^{\theta}_{\beta} - 24r_{1} \partial_{i} \mathcal{R}^{\alpha\beta}_{\alpha} \partial_{\theta} \mathcal{R}^{\theta}_{\beta} - 24r_{1} \partial_{i} \mathcal{R}^{\alpha\beta}_{\alpha} \partial_{\theta} \mathcal{R}^{\beta}_{\beta} - 24r_{1} \partial_{i} \mathcal{R}^{\alpha\beta}_{\alpha} \partial_{i} \mathcal{R}^{\alpha\beta}_{$

 $12r_{1}^{\cdot}\partial_{\alpha}\mathcal{R}^{\alpha\beta\prime}\partial_{\theta}\mathcal{R}_{,\ \beta}^{\ \theta}+24r_{1}^{\cdot}\partial_{\beta}\mathcal{R}_{,\ \alpha}^{\alpha\beta}\partial_{\theta}\mathcal{R}_{,\ \beta}^{\ \theta}+4t_{3}^{\cdot}\partial_{\beta}f_{\alpha}^{\ \alpha}\partial_{\theta}f_{\alpha}^{\ \theta}-8t_{3}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\ \theta}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+4r_{1}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\theta\prime}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}-4r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\theta\prime}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}-8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+4r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\theta\prime}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}-4r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+4r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\prime\theta}^{\alpha\beta\prime}+8r_{2$ $16r_{1}^{\cdot}\partial_{\beta}\mathcal{R}_{,\theta\alpha}\partial^{\theta}\mathcal{R}^{\alpha\beta\prime} + 4r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{,\theta\alpha}\partial^{\theta}\mathcal{R}^{\alpha\beta\prime} - 4r_{1}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\beta\theta}\partial^{\theta}\mathcal{R}^{\alpha\beta\prime} - 2r_{2}^{\cdot}\partial_{\beta}\mathcal{R}_{\alpha\beta\theta}\partial^{\theta}\mathcal{R}^{\alpha\beta\prime} + 4r_{1}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\beta\prime}\partial^{\theta}\mathcal{R}^{\alpha\beta\prime} + 2r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\beta\prime}\partial^{\theta}\mathcal{R}^{\alpha\beta\prime} + 4r_{2}^{\cdot}\partial_{\theta}\mathcal{R}_{\alpha\beta\prime}\partial^{\theta}\mathcal{R}^{\alpha\beta\prime} + 4r_{2}^{\cdot}\partial_{\theta}\mathcal{R}^{\alpha\beta\prime}\partial^{\theta}\mathcal{R}^{\alpha\beta\prime} + 4r_{2}^{\cdot}\partial_{\theta}\mathcal{R}^{\alpha$ $4t. \mathcal{A}_{_{1}\theta\alpha} \partial^{\theta}f^{\alpha \prime} + 2t. \partial_{\alpha}f_{_{1}\theta} \partial^{\theta}f^{\alpha \prime} - t. \partial_{\alpha}f_{_{\theta \prime}} \partial^{\theta}f^{\alpha \prime} - t. \partial_{\alpha}f_{_{\theta \prime}} \partial^{\theta}f^{\alpha \prime} + t. \partial_{\theta}f_{_{\alpha \prime}} \partial^{\theta}f^{\alpha \prime} - t. \partial_$

Wave operator



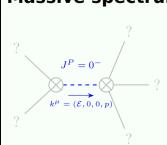
Saturated propagator



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

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