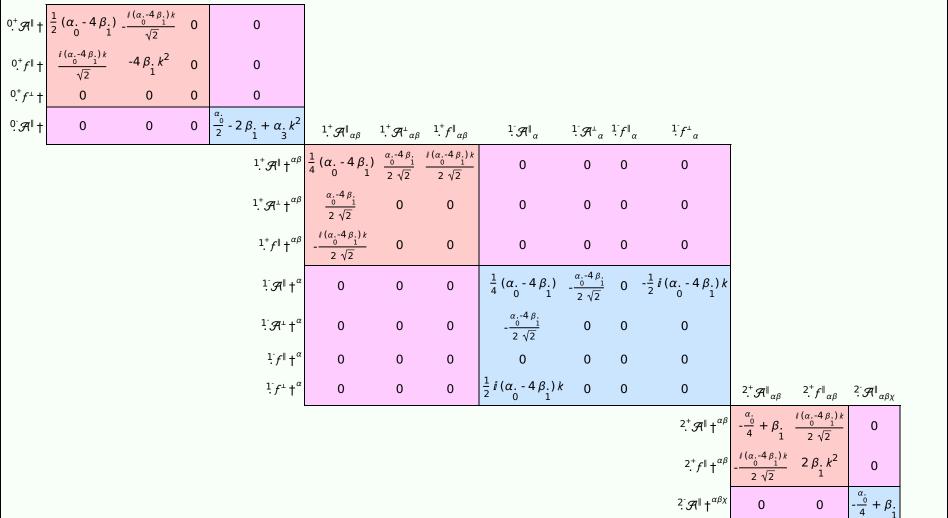
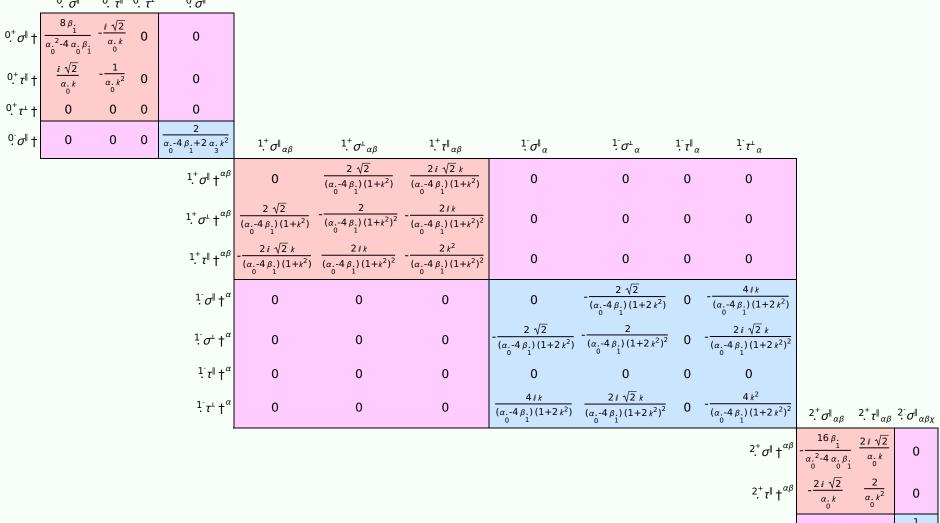
PSALTer results panel $\mathcal{S} = \iiint (\mathcal{A}^{\alpha\beta\chi} \ \sigma_{\alpha\beta\chi} + f^{\alpha\beta} \ \tau (\Delta + \mathcal{K})_{\alpha\beta} - \frac{1}{2} \alpha_0 (\mathcal{A}_{\alpha\chi\beta} \ \mathcal{A}^{\alpha\beta\chi} + \mathcal{A}^{\alpha\beta}_{\ \alpha} \ \mathcal{A}^{\chi}_{\beta\chi} + 2 \ f^{\alpha\beta} \ \partial_{\beta}\mathcal{A}^{\chi}_{\alpha\chi} - 2 \ \partial_{\beta}\mathcal{A}^{\alpha\beta}_{\ \alpha} - 2 \ f^{\alpha\beta} \ \partial_{\chi}\mathcal{A}^{\chi}_{\alpha\beta} + 2 \ f^{\alpha}_{\ \alpha} \ \partial_{\chi}\mathcal{A}^{\beta\chi}_{\beta}) + 2 \ f^{\alpha\beta}_{\ \alpha} \ \partial_{\gamma}\mathcal{A}^{\alpha\beta\chi}_{\alpha\beta} + 2 \ f^{\alpha\beta}_{\ \alpha} \ \partial_{\gamma}\mathcal{A}^{\beta\chi}_{\beta}) + 2 \ f^{\alpha\beta}_{\ \alpha} \ \partial_{\gamma}\mathcal{A}^{\alpha\beta\chi}_{\alpha\beta} + 2 \ f^{\alpha\beta}_{\ \alpha} \ \partial_{\gamma}\mathcal{A}^{\beta\chi}_{\beta\gamma} + 2 \ f^{\alpha\beta}_{\ \alpha} \ \partial_{\gamma}\mathcal{A}^{\beta\chi}_{\alpha\beta} + 2 \ f^{\alpha\beta}_{\ \alpha} \ \partial_{\gamma}\mathcal{A}^{\beta\chi}_{\beta\gamma} + 2 \ f^{\alpha\beta}_{\ \alpha} \ \partial_{\gamma}\mathcal{A}^{\beta\chi}_{\alpha\beta} + 2 \ f^{\alpha\beta}_{\ \alpha} \ \partial_{\gamma}\mathcal{A}^{\beta\chi}_{\beta\gamma} + 2 \ f^{\alpha\beta}_{\ \alpha} \ \partial_{\gamma}\mathcal{A}^{\beta\chi}_{\alpha\beta} + 2 \ f^{\alpha\beta}_{\ \alpha} \ \partial_{\gamma}\mathcal{A}^{\beta\chi}_{\beta\gamma} + 2 \ f^{\alpha\beta}_{\ \alpha} \ \partial_{\gamma}\mathcal{A}^{\beta\chi}_{\alpha\beta} + 2 \ f^{\alpha\beta}_{\ \alpha} \ \partial_{\gamma}\mathcal{A}^{\beta\chi}_{\alpha\beta} + 2 \ f^{\alpha\beta}_{\ \alpha} \ \partial_{\gamma}\mathcal{A}^{\beta\chi}_{\beta\gamma} + 2 \ f^{\alpha\beta}_{\ \alpha} \ \partial_{\gamma}\mathcal{A}^{\beta\chi}_{\alpha\beta} + 2 \ f^{\alpha\beta}_{\ \alpha} \ \partial_{\gamma}\mathcal{A}^{\gamma}_{\alpha\beta} + 2 \ f^{\alpha\beta}_{\ \alpha} + 2 \ f^{\alpha\beta}_{\ \alpha} \ \partial_{\gamma}\mathcal{A}^{\gamma}_{\alpha\beta} + 2 \ f^$ $\beta_{1}\left(2\,\,\mathcal{R}^{\alpha\beta}_{\quad \alpha}\,\,\mathcal{R}^{\,\,\chi}_{\beta\,\,\chi}-4\,\,\mathcal{R}^{\,\,\chi}_{\alpha\,\,\chi}\,\,\partial_{\beta}f^{\,\alpha\beta}+4\,\,\mathcal{R}^{\,\,\chi}_{\beta\,\,\chi}\,\,\partial^{\beta}f^{\,\alpha}_{\quad \alpha}-2\,\partial_{\beta}f^{\,\chi}_{\quad \chi}\,\partial^{\beta}f^{\,\alpha}_{\quad \alpha}-2\,\partial_{\beta}f^{\,\alpha\beta}\partial_{\chi}f^{\,\,\chi}_{\alpha}+4\,\partial^{\beta}f^{\,\alpha}_{\quad \alpha}\partial_{\chi}f^{\,\,\chi}_{\beta}-4\,\partial^{\beta}f^{\,\alpha}_{\quad \alpha}\partial_{\chi}f^{\,\,\chi}_{\beta}-4\,\partial^{\beta}f^{\,\,$ $2\,\partial_{\alpha}f_{\beta\chi}\,\partial^{\chi}f^{\alpha\beta} - \partial_{\alpha}f_{\chi\beta}\,\partial^{\chi}f^{\alpha\beta} + \partial_{\beta}f_{\alpha\chi}\,\partial^{\chi}f^{\alpha\beta} + \partial_{\chi}f_{\alpha\beta}\,\partial^{\chi}f^{\alpha\beta} + \partial_{\chi}f_{\beta\alpha}\,\partial^{\chi}f^{\alpha\beta} + 2\,\,\mathcal{A}_{\alpha\chi\beta}\,\left(\,\mathcal{A}^{\alpha\beta\chi} \,+\, 2\,\partial^{\chi}f^{\alpha\beta}\right)\right) + 2\,\partial_{\alpha}f_{\beta\chi}\,\partial^{\chi}f^{\alpha\beta} + 2\,\partial_{\alpha}f_{\alpha\beta}\,\partial^{\chi}f^{\alpha\beta} + 2\,\partial_{\alpha}f_{\alpha\beta$ $\frac{1}{3} \alpha_{3} \left(4 \, \partial_{\beta} \mathcal{R}_{\alpha\chi\delta} - 2 \, \partial_{\beta} \mathcal{R}_{\alpha\delta\chi} + 2 \, \partial_{\beta} \mathcal{R}_{\chi\delta\alpha} - \partial_{\chi} \mathcal{R}_{\alpha\beta\delta} + \partial_{\delta} \mathcal{R}_{\alpha\beta\chi} - 2 \, \partial_{\delta} \mathcal{R}_{\alpha\chi\beta} \right) \partial^{\delta} \mathcal{R}^{\alpha\beta\chi}) [t, \, x, \, y, \, z] \, dz \, dy \, dx \, dt$ Wave operator



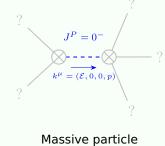
Saturated propagator



Source constraints

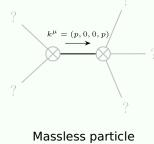
Spin-parity form	Covariant form	Multiplicities
$0^+_{\cdot} \tau^{\perp} == 0$	$\partial_{\beta}\partial_{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\beta}=0$	1
$2ik \cdot 1 \cdot \sigma^{\perp^{\alpha}} + 1 \cdot \tau^{\perp^{\alpha}} == 0$	$\partial_{\chi}\partial_{\beta}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\beta\chi}==\partial_{\chi}\partial^{\chi}\partial_{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\beta}+2\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial_{\beta}\sigma^{\beta\alpha\chi}$	3
$1 \cdot \tau^{\parallel \alpha} == 0$	$\partial_{\chi}\partial_{\beta}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\beta\chi}==\partial_{\chi}\partial^{\chi}\partial_{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\beta\alpha}$	3
$\overline{ik} 1^+_{\cdot} \sigma^{\perp}{}^{\alpha\beta} + 1^+_{\cdot} \tau^{\parallel}{}^{\alpha\beta} == 0$	$\partial_{\chi}\partial^{\alpha}\tau\left(\Delta+\mathcal{K}\right)^{\beta\chi} + \partial_{\chi}\partial^{\beta}\tau\left(\Delta+\mathcal{K}\right)^{\chi\alpha} + \partial_{\chi}\partial^{\chi}\tau\left(\Delta+\mathcal{K}\right)^{\alpha\beta} + 2\partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta} + 2\partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\chi\alpha\beta} = =$	3
	$\partial_{\chi}\partial^{\alpha}\tau(\Delta+\mathcal{K})^{\chi\beta} + \partial_{\chi}\partial^{\beta}\tau(\Delta+\mathcal{K})^{\alpha\chi} + \partial_{\chi}\partial^{\chi}\tau(\Delta+\mathcal{K})^{\beta\alpha} + 2\partial_{\sigma}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta}$	
Total expected gauge generators:		10

Massive spectrum



Pole residue:	$-\frac{1}{\alpha} > 0$
Square mass:	$-\frac{\frac{\alpha4\beta.}{0}}{\frac{2\alpha.}{3}} > 0$
Spin:	0
Parity:	Odd

Massless spectrum



Pole residue:	$\frac{p^2}{\alpha_0} > 0$
Polarisations:	2

Unitarity conditions

 $\alpha_0 > 0 \&\& \alpha_1 < 0 \&\& \beta_1 < \frac{\alpha_0}{4}$