PSALTer results panel

$$
\begin{aligned}
\mathcal{S} == & \iiiint\Big(\tfrac{1}{6}\big(-3\,\alpha_0\,\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\mathcal{A}_{\beta}{}^{\chi}{}_{\chi} + 4\,\beta_1\,\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\mathcal{A}_{\beta}{}^{\chi}{}_{\chi} - 4\,\beta_2\,\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\mathcal{A}_{\beta}{}^{\chi}{}_{\chi} + 6\,\mathcal{A}^{\alpha\beta\chi}\,\sigma_{\alpha\beta\chi} + 6\,f^{\alpha\beta}\,\tau(\Delta+\mathcal{K})_{\alpha\beta} - 6\,\alpha_0\,f^{\alpha\beta}\,\partial_{\beta}\mathcal{A}_{\alpha}{}^{\chi}{}_{\chi} + 6\,\alpha_0\,\partial_{\beta}\mathcal{A}^{\alpha\beta}{}_{\alpha} - 8\,\beta_1\,\mathcal{A}_{\alpha}{}^{\chi}{}_{\chi}\,\partial_{\beta}f^{\alpha\beta} + 8\,\beta_2\,\mathcal{A}_{\alpha}{}^{\chi}{}_{\chi}\,\partial_{\beta}f^{\alpha\beta} + 8\,\beta_1\,\mathcal{A}_{\beta}{}^{\chi}{}_{\chi}\,\partial^{\beta}f^{\alpha}{}_{\alpha} - 8\,\beta_2\,\mathcal{A}_{\beta}{}^{\chi}{}_{\chi}\,\partial^{\beta}f^{\alpha}{}_{\alpha} - 4\,\beta_1\,\partial_{\beta}f^{\chi}{}_{\chi}\,\partial^{\beta}f^{\alpha}{}_{\alpha} + 4\,\beta_2\,\partial_{\beta}f^{\chi}{}_{\chi}\,\partial^{\beta}f^{\alpha}{}_{\alpha} + 6\,\alpha_0\,f^{\alpha\beta}\,\partial_{\chi}\mathcal{A}_{\alpha}{}^{\chi}{}_{\beta} - 6\,\alpha_0\,f^{\alpha}{}_{\alpha}\,\partial_{\chi}\mathcal{A}^{\beta\chi}{}_{\beta} - 4\,\beta_1\,\partial_{\beta}f^{\alpha\beta}\,\partial_{\chi}f_{\alpha}{}^{\chi} + 4\,\beta_2\,\partial_{\beta}f^{\alpha\beta}\,\partial_{\chi}f_{\alpha}{}^{\chi} + 8\,\beta_1\,\partial^{\beta}f^{\alpha}{}_{\alpha}\,\partial_{\chi}f_{\beta}{}^{\chi} - 8\,\beta_2\,\partial^{\beta}f^{\alpha}{}_{\alpha}\,\partial_{\chi}f_{\beta}{}^{\chi} + 6\,\alpha_1\,\partial_{\beta}\mathcal{A}_{\chi}{}^{\delta}{}_{\delta}\,\partial^{\chi}\mathcal{A}^{\alpha\beta}{}_{\alpha} - 6\,\alpha_2\,\partial_{\beta}\mathcal{A}_{\chi}{}^{\delta}{}_{\delta}\,\partial^{\chi}\mathcal{A}^{\alpha\beta}{}_{\alpha} - 6\,\alpha_4\,\partial_{\beta}\mathcal{A}_{\chi}{}^{\delta}{}_{\delta} \\
& \partial^{\chi}\mathcal{A}^{\alpha\beta}{}_{\alpha} + 6\,\alpha_5\,\partial_{\beta}\mathcal{A}_{\chi}{}^{\delta}{}_{\delta}\,\partial^{\chi}\mathcal{A}^{\alpha\beta}{}_{\alpha} + 6\,\alpha_1\,\partial_{\chi}\mathcal{A}_{\beta}{}^{\delta}{}_{\delta}\,\partial^{\chi}\mathcal{A}^{\alpha\beta}{}_{\alpha} + 6\,\alpha_2\,\partial_{\chi}\mathcal{A}_{\beta}{}^{\delta}{}_{\delta}\,\partial^{\chi}\mathcal{A}^{\alpha\beta}{}_{\alpha} - 6\,\alpha_4\,\partial_{\chi}\mathcal{A}_{\beta}{}^{\delta}{}_{\delta}\,\partial^{\chi}\mathcal{A}^{\alpha\beta}{}_{\alpha} - 6\,\alpha_5\,\partial_{\chi}\mathcal{A}_{\beta}{}^{\delta}{}_{\delta}\,\partial^{\chi}\mathcal{A}^{\alpha\beta}{}_{\alpha} + 8\,\beta_1\,\mathcal{A}_{\beta\chi\alpha}\,\partial^{\chi}f^{\alpha\beta} + 16\,\beta_3\,\mathcal{A}_{\beta\chi\alpha}\,\partial^{\chi}f^{\alpha\beta} - 8\,\beta_1\,\partial_{\alpha}f_{\beta\chi}\,\partial^{\chi}f^{\alpha\beta} + 8\,\beta_3\,\partial_{\alpha}f_{\beta\chi}\,\partial^{\chi}f^{\alpha\beta} - 8\,\beta_1\,\partial_{\alpha}f_{\chi\beta}\,\partial^{\chi}f^{\alpha\beta} - 4\,\beta_3\,\partial_{\alpha}f_{\chi\beta}\,\partial^{\chi}f^{\alpha\beta} + 4\,\beta_1\,\partial_{\beta}f_{\alpha\chi}\,\partial^{\chi}f^{\alpha\beta} - 4\,\beta_3\,\partial_{\beta}f_{\alpha\chi}\,\partial^{\chi}f^{\alpha\beta} + 8\,\beta_1\,\partial_{\chi}f_{\alpha\beta}\,\partial^{\chi}f^{\alpha\beta} + 4\,\beta_3\,\partial_{\chi}f_{\alpha\beta}\,\partial^{\chi}f^{\alpha\beta} + \\
& 4\,\beta_1\,\partial_{\chi}f_{\beta\alpha}\,\partial^{\chi}f^{\alpha\beta} - 4\,\beta_3\,\partial_{\chi}f_{\beta\alpha}\,\partial^{\chi}f^{\alpha\beta} + 4\,(\beta_1 + 2\,\beta_3)\,\mathcal{A}_{\alpha\beta\chi}\,(\mathcal{A}^{\alpha\beta\chi} + 2\,\partial^{\chi}f^{\alpha\beta}) + \mathcal{A}_{\alpha\chi\beta}\,((-3\,\alpha_0 + 4\,\beta_1 - 16\,\beta_3)\,\mathcal{A}^{\alpha\beta\chi} + 16\,(\beta_1 - \beta_3)\,\partial^{\chi}f^{\alpha\beta}) + 6\,\alpha_1\,\partial_{\alpha}\mathcal{A}^{\alpha\beta\chi}\,\partial_{\delta}\mathcal{A}_{\beta}{}^{\delta}{}_{\chi} + 6\,\alpha_2\,\partial_{\alpha}\mathcal{A}^{\alpha\beta\chi}\,\partial_{\delta}\mathcal{A}_{\beta}{}^{\delta}{}_{\chi} - 6\,\alpha_4\,\partial_{\alpha}\mathcal{A}^{\alpha\beta\chi}\,\partial_{\delta}\mathcal{A}_{\beta}{}^{\delta}{}_{\chi} - 6\,\alpha_5\,\partial_{\alpha}\mathcal{A}^{\alpha\beta\chi}\,\partial_{\delta}\mathcal{A}_{\beta}{}^{\delta}{}_{\chi} - 12\,\alpha_1\,\partial^{\chi}\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\partial_{\delta}\mathcal{A}_{\beta}{}^{\delta}{}_{\chi} - 12\,\alpha_2\,\partial^{\chi}\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\partial_{\delta}\mathcal{A}_{\beta}{}^{\delta}{}_{\chi} + 12\,\alpha_4\,\partial^{\chi}\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\partial_{\delta}\mathcal{A}_{\beta}{}^{\delta}{}_{\chi} + 12\,\alpha_5\,\partial^{\chi}\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\partial_{\delta}\mathcal{A}_{\beta}{}^{\delta}{}_{\chi} + \\
& 6\,\alpha_1\,\partial_{\alpha}\mathcal{A}^{\alpha\beta\chi}\,\partial_{\delta}\mathcal{A}_{\chi}{}^{\delta}{}_{\beta} - 6\,\alpha_2\,\partial_{\alpha}\mathcal{A}^{\alpha\beta\chi}\,\partial_{\delta}\mathcal{A}_{\chi}{}^{\delta}{}_{\beta} - 6\,\alpha_4\,\partial_{\alpha}\mathcal{A}^{\alpha\beta\chi}\,\partial_{\delta}\mathcal{A}_{\chi}{}^{\delta}{}_{\beta} + 6\,\alpha_5\,\partial_{\alpha}\mathcal{A}^{\alpha\beta\chi}\,\partial_{\delta}\mathcal{A}_{\chi}{}^{\delta}{}_{\beta} - 12\,\alpha_1\,\partial^{\chi}\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\partial_{\delta}\mathcal{A}_{\chi}{}^{\delta}{}_{\beta} + 12\,\alpha_2\,\partial^{\chi}\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\partial_{\delta}\mathcal{A}_{\chi}{}^{\delta}{}_{\beta} + 12\,\alpha_4\,\partial^{\chi}\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\partial_{\delta}\mathcal{A}_{\chi}{}^{\delta}{}_{\beta} - 12\,\alpha_5\,\partial^{\chi}\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\partial_{\delta}\mathcal{A}_{\chi}{}^{\delta}{}_{\beta} + 8\,\alpha_1\,\partial_{\beta}\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\partial_{\delta}\mathcal{A}^{\chi\delta}{}_{\chi} - 12\,\alpha_4\,\partial_{\beta}\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\partial_{\delta}\mathcal{A}^{\chi\delta}{}_{\chi} + 4\,\alpha_6\,\partial_{\beta}\mathcal{A}^{\alpha\beta}{}_{\alpha}\,\partial_{\delta}\mathcal{A}^{\chi\delta}{}_{\chi} - 8\,\alpha_1\,\partial_{\beta}\mathcal{A}_{\alpha\chi\delta}\,\partial^{\delta}\mathcal{A}^{\alpha\beta\chi} + 8\,\alpha_3\,\partial_{\beta}\mathcal{A}_{\alpha\chi\delta}\,\partial^{\delta}\mathcal{A}^{\alpha\beta\chi} + \\
& 4\,\alpha_1\,\partial_{\beta}\mathcal{A}_{\alpha\delta\chi}\,\partial^{\delta}\mathcal{A}^{\alpha\beta\chi} - 4\,\alpha_3\,\partial_{\beta}\mathcal{A}_{\alpha\delta\chi}\,\partial^{\delta}\mathcal{A}^{\alpha\beta\chi} + 8\,\alpha_1\,\partial_{\beta}\mathcal{A}_{\chi\delta\alpha}\,\partial^{\delta}\mathcal{A}^{\alpha\beta\chi} - 12\,\alpha_2\,\partial_{\beta}\mathcal{A}_{\chi\delta\alpha}\,\partial^{\delta}\mathcal{A}^{\alpha\beta\chi} + 4\,\alpha_3\,\partial_{\beta}\mathcal{A}_{\chi\delta\alpha}\,\partial^{\delta}\mathcal{A}^{\alpha\beta\chi} - 4\,\alpha_1\,\partial_{\chi}\mathcal{A}_{\alpha\beta\delta}\,\partial^{\delta}\mathcal{A}^{\alpha\beta\chi} - 6\,\alpha_2\,\partial_{\chi}\mathcal{A}_{\alpha\beta\delta}\,\partial^{\delta}\mathcal{A}^{\alpha\beta\chi} - 2\,\alpha_3\,\partial_{\chi}\mathcal{A}_{\alpha\beta\delta}\,\partial^{\delta}\mathcal{A}^{\alpha\beta\chi} + 4\,\alpha_1\,\partial_{\delta}\mathcal{A}_{\alpha\beta\chi}\,\partial^{\delta}\mathcal{A}^{\alpha\beta\chi} + 6\,\alpha_2\,\partial_{\delta}\mathcal{A}_{\alpha\beta\chi}\,\partial^{\delta}\mathcal{A}^{\alpha\beta\chi} + 2\,\alpha_3\,\partial_{\delta}\mathcal{A}_{\alpha\beta\chi}\,\partial^{\delta}\mathcal{A}^{\alpha\beta\chi} + 4\,\alpha_1\,\partial_{\delta}\mathcal{A}_{\alpha\chi\beta}\,\partial^{\delta}\mathcal{A}^{\alpha\beta\chi} - 4\,\alpha_3\,\partial_{\delta}\mathcal{A}_{\alpha\chi\beta}\,\partial^{\delta}\mathcal{A}^{\alpha\beta\chi}\big)\Big)[t, x, y, z]\,dz\,dy\,dx\,dt
\end{aligned}
$$

Wave operator

	$0^+\,\mathcal{A}^{\parallel}$	$0^+\,f^{\parallel}$	$0^+\,f^{\perp}$	$0^-\,\mathcal{A}^{\parallel}$
$0^+\,\mathcal{A}^{\parallel}\dagger$	$\frac{\alpha_0}{2} + \beta_2 + (\alpha_4 + \alpha_6)\,k^2$	$-\frac{i\,(\alpha_0+2\,\beta_2)\,k}{\sqrt{2}}$	0	0
$0^+\,f^{\parallel}\dagger$	$\frac{i\,(\alpha_0+2\,\beta_2)\,k}{\sqrt{2}}$	$2\,\beta_2\,k^2$	0	0
$0^+\,f^{\perp}\dagger$	0	0	0	0
$0^-\,\mathcal{A}^{\parallel}\dagger$	0	0	0	$\frac{\alpha_0}{2} + 4\,\beta_3 + (\alpha_2 + \alpha_3)\,k^2$

	$1^+\,\mathcal{A}^{\parallel}{}_{\alpha\beta}$	$1^+\,\mathcal{A}^{\perp}{}_{\alpha\beta}$	$1^+\,f^{\parallel}{}_{\alpha\beta}$	$1^-\,\mathcal{A}^{\parallel}{}_{\alpha}$	$1^-\,\mathcal{A}^{\perp}{}_{\alpha}$	$1^-\,f^{\parallel}{}_{\alpha}$	$1^-\,f^{\perp}{}_{\alpha}$
$1^+\,\mathcal{A}^{\parallel}\dagger^{\alpha\beta}$	$\frac{\alpha_0}{4} + \frac{1}{3}(\beta_1 + 8\,\beta_3) + (\alpha_2 + \alpha_5)\,k^2$	$\frac{3\,\alpha_0-4\,\beta_1+16\,\beta_3}{6\,\sqrt{2}}$	$\frac{i\,(3\,\alpha_0-4\,\beta_1+16\,\beta_3)\,k}{6\,\sqrt{2}}$	0	0	0	0
$1^+\,\mathcal{A}^{\perp}\dagger^{\alpha\beta}$	$\frac{3\,\alpha_0-4\,\beta_1+16\,\beta_3}{6\,\sqrt{2}}$	$\frac{2}{3}(\beta_1 + 2\,\beta_3)$	$\frac{2}{3}\,i\,(\beta_1 + 2\,\beta_3)\,k$	0	0	0	0
$1^+\,f^{\parallel}\dagger^{\alpha\beta}$	$-\frac{i\,(3\,\alpha_0-4\,\beta_1+16\,\beta_3)\,k}{6\,\sqrt{2}}$	$-\frac{2}{3}\,i\,(\beta_1 + 2\,\beta_3)\,k$	$\frac{2}{3}(\beta_1 + 2\,\beta_3)\,k^2$	0	0	0	0
$1^-\,\mathcal{A}^{\parallel}\dagger^{\alpha}$	0	0	0	$\frac{\alpha_0}{4} + \frac{1}{3}(\beta_1 + 2\,\beta_2) + (\alpha_4 + \alpha_5)\,k^2$	$-\frac{3\,\alpha_0-4\,\beta_1+4\,\beta_2}{6\,\sqrt{2}}$	0	$-\frac{1}{6}\,i\,(3\,\alpha_0 - 4\,\beta_1 + 4\,\beta_2)\,k$
$1^-\,\mathcal{A}^{\perp}\dagger^{\alpha}$	0	0	0	$-\frac{3\,\alpha_0-4\,\beta_1+4\,\beta_2}{6\,\sqrt{2}}$	$\frac{1}{3}(2\,\beta_1 + \beta_2)$	0	$\frac{1}{3}\,i\,\sqrt{2}\,(2\,\beta_1 + \beta_2)\,k$
$1^-\,f^{\parallel}\dagger^{\alpha}$	0	0	0	0	0	0	0
$1^-\,f^{\perp}\dagger^{\alpha}$	0	0	0	$\frac{1}{6}\,i\,(3\,\alpha_0 - 4\,\beta_1 + 4\,\beta_2)\,k$	$-\frac{1}{3}\,i\,\sqrt{2}\,(2\,\beta_1 + \beta_2)\,k$	0	$\frac{2}{3}(2\,\beta_1 + \beta_2)\,k^2$

	$2^+\,\mathcal{A}^{\parallel}{}_{\alpha\beta}$	$2^+\,f^{\parallel}{}_{\alpha\beta}$	$2^-\,\mathcal{A}^{\parallel}{}_{\alpha\beta\chi}$
$2^+\,\mathcal{A}^{\parallel}\dagger^{\alpha\beta}$	$-\frac{\alpha_0}{4} + \beta_1 + (\alpha_1 + \alpha_4)\,k^2$	$\frac{i\,(\alpha_0-4\,\beta_1)\,k}{2\,\sqrt{2}}$	0
$2^+\,f^{\parallel}\dagger^{\alpha\beta}$	$-\frac{i\,(\alpha_0-4\,\beta_1)\,k}{2\,\sqrt{2}}$	$2\,\beta_1\,k^2$	0
$2^-\,\mathcal{A}^{\parallel}\dagger^{\alpha\beta\chi}$	0	0	$-\frac{\alpha_0}{4} + \beta_1 + (\alpha_1 + \alpha_2)\,k^2$

Saturated propagator

	$0^+\,\sigma^{\parallel}$	$0^+\,\tau^{\parallel}$	$0^+\,\tau^{\perp}$	$0^-\,\sigma^{\parallel}$
$0^+\,\sigma^{\parallel}\dagger$	$-\frac{4\,\beta_2}{\alpha_0^2+2\,\alpha_0\,\beta_2-4\,(\alpha_4+\alpha_6)\,\beta_2\,k^2}$	$\frac{i\,\sqrt{2}\,(\alpha_0+2\,\beta_2)}{-\alpha_0\,(\alpha_0+2\,\beta_2)\,k+4\,(\alpha_4+\alpha_6)\,\beta_2\,k^3}$	0	0
$0^+\,\tau^{\parallel}\dagger$	$\frac{i\,\sqrt{2}\,(\alpha_0+2\,\beta_2)}{\alpha_0\,(\alpha_0+2\,\beta_2)\,k-4\,(\alpha_4+\alpha_6)\,\beta_2\,k^3}$	$\frac{\alpha_0+2\,(\beta_2+(\alpha_4+\alpha_6)\,k^2)}{-\alpha_0\,(\alpha_0+2\,\beta_2)\,k^2+4\,(\alpha_4+\alpha_6)\,\beta_2\,k^4}$	0	0
$0^+\,\tau^{\perp}\dagger$	0	0	0	0
$0^-\,\sigma^{\parallel}\dagger$	0	0	0	$\frac{2}{\alpha_0+8\,\beta_3+2\,(\alpha_2+\alpha_3)\,k^2}$

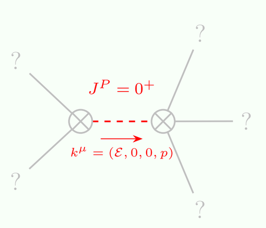
	$1^+\,\sigma^{\parallel}{}_{\alpha\beta}$	$1^+\,\sigma^{\perp}{}_{\alpha\beta}$	$1^+\,\tau^{\parallel}{}_{\alpha\beta}$	$1^-\,\sigma^{\parallel}{}_{\alpha}$	$1^-\,\sigma^{\perp}{}_{\alpha}$	$1^-\,\tau^{\parallel}{}_{\alpha}$	$1^-\,\tau^{\perp}{}_{\alpha}$
$1^+\,\sigma^{\parallel}\dagger^{\alpha\beta}$	$\frac{1}{-\frac{3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+8\,\beta_3)}{16\,(\beta_1+2\,\beta_3)}+(\alpha_2+\alpha_5)\,k^2}$	$-\frac{2\,\sqrt{2}\,(3\,\alpha_0-4\,\beta_1+16\,\beta_3)}{(1+k^2)\,(-3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+8\,\beta_3)+16\,(\alpha_2+\alpha_5)\,(\beta_1+2\,\beta_3)\,k^2)}$	$-\frac{2\,i\,\sqrt{2}\,(3\,\alpha_0-4\,\beta_1+16\,\beta_3)\,k}{(1+k^2)\,(-3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+8\,\beta_3)+16\,(\alpha_2+\alpha_5)\,(\beta_1+2\,\beta_3)\,k^2)}$	0	0	0	0
$1^+\,\sigma^{\perp}\dagger^{\alpha\beta}$	$-\frac{2\,\sqrt{2}\,(3\,\alpha_0-4\,\beta_1+16\,\beta_3)}{(1+k^2)\,(-3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+8\,\beta_3)+16\,(\alpha_2+\alpha_5)\,(\beta_1+2\,\beta_3)\,k^2)}$	$\frac{6\,\alpha_0+8\,(\beta_1+8\,\beta_3+3\,(\alpha_2+\alpha_5)\,k^2)}{(1+k^2)^2\,(-3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+8\,\beta_3)+16\,(\alpha_2+\alpha_5)\,(\beta_1+2\,\beta_3)\,k^2)}$	$\frac{6\,i\,\alpha_0\,k+8\,i\,k\,(\beta_1+8\,\beta_3+3\,(\alpha_2+\alpha_5)\,k^2)}{(1+k^2)^2\,(-3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+8\,\beta_3)+16\,(\alpha_2+\alpha_5)\,(\beta_1+2\,\beta_3)\,k^2)}$	0	0	0	0
$1^+\,\tau^{\parallel}\dagger^{\alpha\beta}$	$\frac{2\,i\,\sqrt{2}\,(3\,\alpha_0-4\,\beta_1+16\,\beta_3)\,k}{(1+k^2)\,(-3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+8\,\beta_3)+16\,(\alpha_2+\alpha_5)\,(\beta_1+2\,\beta_3)\,k^2)}$	$\frac{-6\,i\,\alpha_0\,k-8\,i\,k\,(\beta_1+8\,\beta_3+3\,(\alpha_2+\alpha_5)\,k^2)}{(1+k^2)^2\,(-3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+8\,\beta_3)+16\,(\alpha_2+\alpha_5)\,(\beta_1+2\,\beta_3)\,k^2)}$	$\frac{2\,k^2\,(3\,\alpha_0+4\,(\beta_1+8\,\beta_3+3\,(\alpha_2+\alpha_5)\,k^2))}{(1+k^2)^2\,(-3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+8\,\beta_3)+16\,(\alpha_2+\alpha_5)\,(\beta_1+2\,\beta_3)\,k^2)}$	0	0	0	0
$1^-\,\sigma^{\parallel}\dagger^{\alpha}$	0	0	0	$\frac{1}{-\frac{3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+2\,\beta_2)}{8\,(2\,\beta_1+\beta_2)}+(\alpha_4+\alpha_5)\,k^2}$	$\frac{2\,\sqrt{2}\,(3\,\alpha_0-4\,\beta_1+4\,\beta_2)}{(1+2\,k^2)\,(-3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+2\,\beta_2)+8\,(\alpha_4+\alpha_5)\,(2\,\beta_1+\beta_2)\,k^2)}$	0	$\frac{4\,i\,(3\,\alpha_0-4\,\beta_1+4\,\beta_2)\,k}{(1+2\,k^2)\,(-3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+2\,\beta_2)+8\,(\alpha_4+\alpha_5)\,(2\,\beta_1+\beta_2)\,k^2)}$
$1^-\,\sigma^{\perp}\dagger^{\alpha}$	0	0	0	$\frac{2\,\sqrt{2}\,(3\,\alpha_0-4\,\beta_1+4\,\beta_2)}{(1+2\,k^2)\,(-3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+2\,\beta_2)+8\,(\alpha_4+\alpha_5)\,(2\,\beta_1+\beta_2)\,k^2)}$	$\frac{6\,\alpha_0+8\,(\beta_1+2\,\beta_2+3\,(\alpha_4+\alpha_5)\,k^2)}{(1+2\,k^2)^2\,(-3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+2\,\beta_2)+8\,(\alpha_4+\alpha_5)\,(2\,\beta_1+\beta_2)\,k^2)}$	0	$\frac{2\,i\,\sqrt{2}\,k\,(3\,\alpha_0+4\,(\beta_1+2\,\beta_2+3\,(\alpha_4+\alpha_5)\,k^2))}{(1+2\,k^2)^2\,(-3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+2\,\beta_2)+8\,(\alpha_4+\alpha_5)\,(2\,\beta_1+\beta_2)\,k^2)}$
$1^-\,\tau^{\parallel}\dagger^{\alpha}$	0	0	0	0	0	0	0
$1^-\,\tau^{\perp}\dagger^{\alpha}$	0	0	0	$-\frac{4\,i\,(3\,\alpha_0-4\,\beta_1+4\,\beta_2)\,k}{(1+2\,k^2)\,(-3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+2\,\beta_2)+8\,(\alpha_4+\alpha_5)\,(2\,\beta_1+\beta_2)\,k^2)}$	$-\frac{2\,i\,\sqrt{2}\,k\,(3\,\alpha_0+4\,(\beta_1+2\,\beta_2+3\,(\alpha_4+\alpha_5)\,k^2))}{(1+2\,k^2)^2\,(-3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+2\,\beta_2)+8\,(\alpha_4+\alpha_5)\,(2\,\beta_1+\beta_2)\,k^2)}$	0	$\frac{4\,k^2\,(3\,\alpha_0+4\,(\beta_1+2\,\beta_2+3\,(\alpha_4+\alpha_5)\,k^2))}{(1+2\,k^2)^2\,(-3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+2\,\beta_2)+8\,(\alpha_4+\alpha_5)\,(2\,\beta_1+\beta_2)\,k^2)}$

	$2^+\,\sigma^{\parallel}{}_{\alpha\beta}$	$2^+\,\tau^{\parallel}{}_{\alpha\beta}$	$2^-\,\sigma^{\parallel}{}_{\alpha\beta\chi}$
$2^+\,\sigma^{\parallel}\dagger^{\alpha\beta}$	$\frac{16\,\beta_1}{-\alpha_0^2+4\,\alpha_0\,\beta_1+16\,(\alpha_1+\alpha_4)\,\beta_1\,k^2}$	$\frac{2\,i\,\sqrt{2}\,(\alpha_0-4\,\beta_1)}{\alpha_0\,(\alpha_0-4\,\beta_1)\,k-16\,(\alpha_1+\alpha_4)\,\beta_1\,k^3}$	0
$2^+\,\tau^{\parallel}\dagger^{\alpha\beta}$	$\frac{2\,i\,\sqrt{2}\,(\alpha_0-4\,\beta_1)}{-\alpha_0\,(\alpha_0-4\,\beta_1)\,k+16\,(\alpha_1+\alpha_4)\,\beta_1\,k^3}$	$\frac{2\,(\alpha_0-4\,\beta_1-4\,(\alpha_1+\alpha_4)\,k^2)}{\alpha_0\,(\alpha_0-4\,\beta_1)\,k^2-16\,(\alpha_1+\alpha_4)\,\beta_1\,k^4}$	0
$2^-\,\sigma^{\parallel}\dagger^{\alpha\beta\chi}$	0	0	$\frac{1}{-\frac{\alpha_0}{4}+\beta_1+(\alpha_1+\alpha_2)\,k^2}$

Source constraints

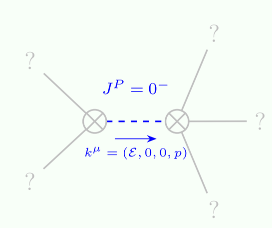
Spin-parity form	Covariant form	Multiplicities
$0^+\,\tau^{\perp} == 0$	$\partial_{\beta}\partial_{\alpha}\tau\,(\Delta+\mathcal{K})^{\alpha\beta} == 0$	1
$0^+\,\tau^{\perp} == 0$	$\partial_{\beta}\partial_{\alpha}\tau\,(\Delta+\mathcal{K})^{\alpha\beta} == 0$	1
$2\,i\,k\;1^-\,\sigma^{\perp\alpha} + 1^-\,\tau^{\perp\alpha} == 0$	$\partial_{\chi}\partial_{\beta}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\beta\chi} == \partial_{\chi}\partial^{\chi}\partial_{\beta}\tau\,(\Delta+\mathcal{K})^{\alpha\beta} + 2\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\partial_{\beta}\sigma^{\beta\alpha\chi}$	3
$1^-\,\tau^{\parallel\alpha} == 0$	$\partial_{\chi}\partial_{\beta}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\beta\chi} == \partial_{\chi}\partial^{\chi}\partial_{\beta}\tau\,(\Delta+\mathcal{K})^{\beta\alpha}$	3
$i\,k\;1^+\,\sigma^{\perp\alpha\beta} + 1^+\,\tau^{\parallel\alpha\beta} == 0$	$\partial_{\chi}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\beta\chi} + \partial_{\chi}\partial^{\beta}\tau\,(\Delta+\mathcal{K})^{\chi\alpha} + \partial_{\chi}\partial^{\chi}\tau\,(\Delta+\mathcal{K})^{\alpha\beta} + 2\,\partial_{\delta}\partial_{\chi}\partial^{\alpha}\sigma^{\chi\beta\delta} + 2\,\partial_{\delta}\partial^{\delta}\partial_{\chi}\sigma^{\chi\alpha\beta} == \partial_{\chi}\partial^{\alpha}\tau\,(\Delta+\mathcal{K})^{\chi\beta} + \partial_{\chi}\partial^{\beta}\tau\,(\Delta+\mathcal{K})^{\alpha\chi} + \partial_{\chi}\partial^{\chi}\tau\,(\Delta+\mathcal{K})^{\beta\alpha} + 2\,\partial_{\delta}\partial_{\chi}\partial^{\beta}\sigma^{\chi\alpha\delta}$	3
Total expected gauge generators:		11

Massive spectrum



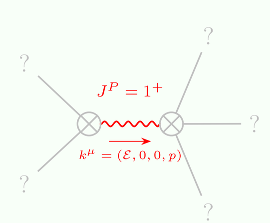
Massive particle

Pole residue:	$\frac{1}{\alpha_0} + \frac{\alpha_4+\alpha_6+2\,\beta_2}{2\,\alpha_4\,\beta_2+2\,\alpha_6\,\beta_2} > 0$
Square mass:	$\frac{\alpha_0\,(\alpha_0+2\,\beta_2)}{4\,(\alpha_4+\alpha_6)\,\beta_2} > 0$
Spin:	0
Parity:	Even



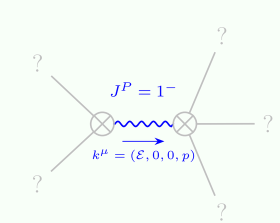
Massive particle

Pole residue:	$-\frac{1}{\alpha_2+\alpha_3} > 0$
Square mass:	$-\frac{\alpha_0+8\,\beta_3}{2\,(\alpha_2+\alpha_3)} > 0$
Spin:	0
Parity:	Odd



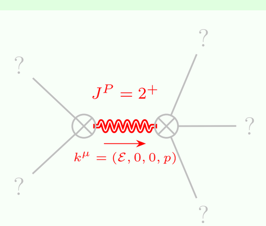
Massive particle

Pole residue:	$(3\,(\alpha_0^2\,(3\,\alpha_2 + 3\,\alpha_5 + 2\,\beta_1 + 4\,\beta_3) - 8\,\alpha_0\,(\beta_1^2 + \alpha_2\,(\beta_1 - 4\,\beta_3) + \alpha_5\,(\beta_1 - 4\,\beta_3) - 4\,\beta_3^2) + 16\,(-4\,\beta_1\,\beta_3\,(\beta_1 + 2\,\beta_3) + \alpha_2\,(\beta_1^2 + 8\,\beta_3^2) + \alpha_5\,(\beta_1^2 + 8\,\beta_3^2))))/$ $(2\,(\alpha_2 + \alpha_5)\,(\beta_1 + 2\,\beta_3)\,(3\,\alpha_0^2 - 12\,\alpha_0\,(\beta_1 - 2\,\beta_3) + 16\,(\alpha_5\,\beta_1 + 2\,\alpha_5\,\beta_3 - 6\,\beta_1\,\beta_3 + \alpha_2\,(\beta_1 + 2\,\beta_3)))) > 0$
Square mass:	$\frac{3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+8\,\beta_3)}{16\,(\alpha_2+\alpha_5)\,(\beta_1+2\,\beta_3)} > 0$
Spin:	1
Parity:	Even



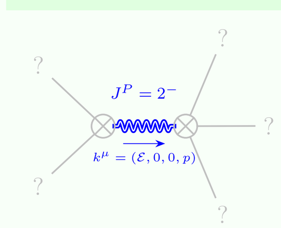
Massive particle

Pole residue:	$-((3\,(\alpha_0^2\,(3\,\alpha_4 + 3\,\alpha_5 + 4\,\beta_1 + 2\,\beta_2) + 4\,\alpha_0\,(-2\,\alpha_4\,\beta_1 - 2\,\alpha_5\,\beta_1 - 4\,\beta_1^2 + 2\,\alpha_4\,\beta_2 + 2\,\alpha_5\,\beta_2 + \beta_2^2) + 8\,(-2\,\beta_1\,\beta_2\,(2\,\beta_1 + \beta_2) + \alpha_4\,(2\,\beta_1^2 + \beta_2^2) + \alpha_5\,(2\,\beta_1^2 + \beta_2^2))))/$ $(2\,(\alpha_4 + \alpha_5)\,(2\,\beta_1 + \beta_2)\,(3\,\alpha_0^2 + 6\,\alpha_0\,(-2\,\beta_1 + \beta_2) + 4\,(2\,\alpha_5\,\beta_1 + \alpha_5\,\beta_2 - 6\,\beta_1\,\beta_2 + \alpha_4\,(2\,\beta_1 + \beta_2))))) > 0$
Square mass:	$\frac{3\,(\alpha_0-4\,\beta_1)\,(\alpha_0+2\,\beta_2)}{8\,(\alpha_4+\alpha_5)\,(2\,\beta_1+\beta_2)} > 0$
Spin:	1
Parity:	Odd



Massive particle

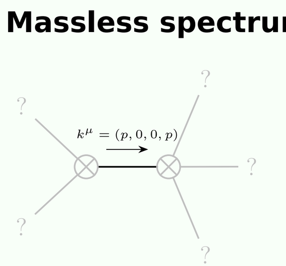
Pole residue:	$-\frac{2}{\alpha_0} + \frac{\alpha_1+\alpha_4+2\,\beta_1}{2\,\alpha_1\,\beta_1+2\,\alpha_4\,\beta_1} > 0$
Square mass:	$\frac{\alpha_0\,(\alpha_0-4\,\beta_1)}{16\,(\alpha_1+\alpha_4)\,\beta_1} > 0$
Spin:	2
Parity:	Even



Massive particle

Pole residue:	$-\frac{1}{\alpha_1+\alpha_2} > 0$
Square mass:	$\frac{\alpha_0-4\,\beta_1}{4\,(\alpha_1+\alpha_2)} > 0$
Spin:	2
Parity:	Odd

Massless spectrum



Massless particle

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

Unitarity conditions

(Demonstrably impossible)