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}+6f^{\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\beta}{}^{\chi}-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\left(\beta_1+2\beta_3\right)\mathcal{A}_{\alpha\beta\chi}\left(\mathcal{A}^{\alpha\beta\chi}+2\partial^\chi f^{\alpha\beta}\right)+\mathcal{A}_{\alpha\chi\beta}\Big(\left(-3\alpha_0+4\beta_1-16\beta_3\right)\mathcal{A}^{\alpha\beta\chi}+\\
&16\left(\beta_1-\beta_3\right)\partial^\chi f^{\alpha\beta}\Big)+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

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

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

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

Saturated propagator

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

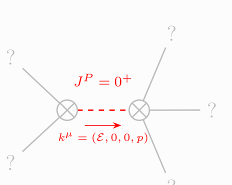
	${}^{1^+}\sigma^{\parallel}{}_{\alpha\beta}$	${}^{1^+}\sigma^{\perp}{}_{\alpha\beta}$	${}^{1^+}\tau^{\parallel}{}_{\alpha\beta}$	${}^{1^-}\sigma^{\parallel}{}_{\alpha}$	${}^{1^-}\sigma^{\perp}{}_{\alpha}$	${}^{1^-}\tau^{\parallel}{}_{\alpha}$	${}^{1^-}\tau^{\perp}{}_{\alpha}$
${}^{1^+}\sigma^{\parallel}\dagger^{\alpha\beta}$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

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

Source constraints

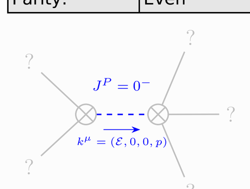
Spin-parity form	Covariant form	Multiplicities
${}^{0^+}\tau^{\perp} == 0$	$\partial_\beta\partial_\alpha\tau\left(\Delta+\mathcal{K}\right)^{\alpha\beta} == 0$	1
${}^{0^+}\tau^{\perp} == 0$	$\partial_\beta\partial_\alpha\tau\left(\Delta+\mathcal{K}\right)^{\alpha\beta} == 0$	1
$2ik\,{}^{1^-}\sigma^{\perp\alpha}+{}^{1^-}\tau^{\perp\alpha}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

Massive spectrum



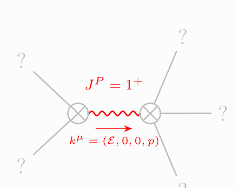
Massive particle

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:	$\frac{\alpha_0\left(\alpha_0+2\beta_2\right)}{4\left(\alpha_4+\alpha_6\right)\beta_2}>0$
Spin:	0
Parity:	Even



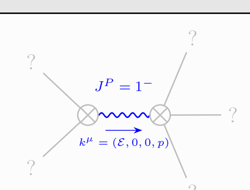
Massive particle

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



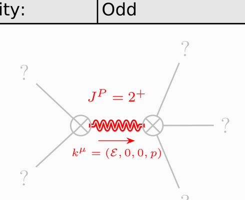
Massive particle

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:	$\frac{3\left(\alpha_0-4\beta_1\right)\left(\alpha_0+8\beta_3\right)}{16\left(\alpha_2+\alpha_5\right)\left(\beta_1+2\beta_3\right)}>0$
Spin:	1
Parity:	Even



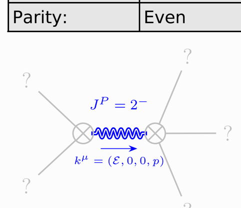
Massive particle

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:	$\frac{3\left(\alpha_0-4\beta_1\right)\left(\alpha_0+2\beta_2\right)}{8\left(\alpha_4+\alpha_5\right)\left(2\beta_1+\beta_2\right)}>0$
Spin:	1
Parity:	Odd



Massive particle

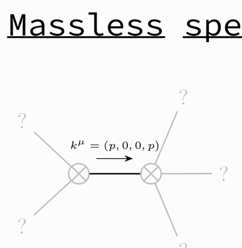
Pole residue:	$-\frac{2}{\alpha_0}+\frac{\alpha_1+\alpha_4+2\beta_1}{2\alpha_1\beta_1+2\alpha_4\beta_1}>0$
Square mass:	$\frac{\alpha_0\left(\alpha_0-4\beta_1\right)}{16\left(\alpha_1+\alpha_4\right)\beta_1}>0$
Spin:	2
Parity:	Even



Massive particle

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

Massless spectrum



Massless particle

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

Gauge symmetries

(Not yet implemented in PSALTer)

Unitarity conditions

(Unitarity is demonstrably impossible)

Validity assumptions

(Not yet implemented in PSALTer)