Lagrangian density

$-\frac{1}{2} a_0 \Gamma^{\alpha\beta\chi}\Gamma_{\beta\chi\alpha} + \frac12 a_0 \Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{\chi}{}_{\beta\chi} - \frac12 a_0 \Gamma^{\alpha\beta\chi}\partial_\beta h_{\alpha\chi} -$
$\frac14 a_0 \Gamma^\alpha{}_\alpha{}^\beta \partial_\beta h^\chi{}_\chi + \frac14 a_0 \Gamma^{\alpha\beta}{}_\alpha \partial_\beta h^\chi{}_\chi - \frac14 a_0 h^\chi{}_\chi \partial_\beta \Gamma^\alpha{}_\alpha{}^\beta + \frac14 a_0 h^\chi{}_\chi \partial_\beta\Gamma^{\alpha\beta}{}_\alpha -$
$\frac12 a_0 h_{\alpha\chi}\partial_\beta\Gamma^{\alpha\beta\chi} + \frac{11}{2} c_1 \partial^\alpha\Gamma^{\chi\delta}{}_\chi \partial_\beta \Gamma_{\delta\alpha}{}^\beta + \frac12 c_1 \partial^\alpha \Gamma^\chi{}_\alpha{}^\beta \partial_\beta\Gamma_\chi{}^\delta{}_\delta -$
$19 c_1 \partial^\alpha \Gamma^{\chi\delta}{}_\chi \partial_\beta \Gamma_{\delta\alpha}{}^\beta + \frac14 a_0 h^{\alpha\beta}\partial_\beta\partial_\alpha h^\chi{}_\chi - \frac18 a_0 \partial_\beta h^\chi{}_\chi \partial^\beta h^\alpha{}_\alpha +$
$\frac12 a_0 \Gamma^\alpha{}_\alpha{}^\beta \partial_\chi h_\beta{}^\chi + \frac14 a_0 \partial^\beta h^\alpha{}_\alpha \partial_\chi h_\beta{}^\chi + \frac{37}{4} c_1 \partial_\beta\partial_\alpha h^\delta{}_\delta \partial_\chi \Gamma^{\alpha\beta\chi} +$
$\frac34 c_1 \partial_\beta \Gamma^{\alpha\beta\chi}\partial_\chi\partial_\alpha h^\delta{}_\delta - \frac12 a_0 h^{\alpha\beta}\partial_\chi\partial_\beta h_\alpha{}^\chi + \frac14 a_0 h^\alpha{}_\alpha \partial_\chi\partial_\beta h^{\beta\chi} +$
$\frac14 a_0 h^{\alpha\beta}\partial_\chi\partial^\chi h_{\alpha\beta} - \frac14 a_0 h^\alpha{}_\alpha \partial_\chi\partial^\chi h^\beta{}_\beta - \frac14 a_0 \partial_\beta h_{\alpha\chi}\partial^\chi h^{\alpha\beta} +$
$\frac18 a_0 \partial_\chi h_{\alpha\beta}\partial^\chi h^{\alpha\beta} + \frac12 a_0 h_{\beta\chi}\partial^\chi\Gamma^\alpha{}_\alpha{}^\beta - \frac12 c_1 \partial_\beta\Gamma_\chi{}^\delta{}_\delta \partial^\chi\Gamma^\alpha{}_\alpha{}^\beta -$
$\frac12 c_1 \partial_\beta\Gamma^\delta{}_{\delta\chi}\partial^\chi\Gamma^\alpha{}_\alpha{}^\beta + \frac12 c_1 \partial_\chi\Gamma_\beta{}^\delta{}_\delta \partial^\chi\Gamma^\alpha{}_\alpha{}^\beta - \frac12 c_1 \partial_\chi\Gamma^\delta{}_{\beta\delta}\partial^\chi\Gamma^\alpha{}_\alpha{}^\beta -$
$\frac12 c_1 \partial_\chi\Gamma^\delta{}_{\delta\beta}\partial^\chi\Gamma^\alpha{}_\alpha{}^\beta - \frac34 c_1 \partial_\alpha\partial_\beta h^\delta{}_\delta \partial^\chi\Gamma^\alpha{}_\chi{}^\beta - \frac{11}{2} c_1 \partial_\beta\Gamma_\chi{}^\delta{}_\delta \partial^\chi\Gamma^{\alpha\beta}{}_\alpha +$
$\frac{19}{2} c_1 \partial_\beta\Gamma^\delta{}_{\chi\delta}\partial^\chi\Gamma^{\alpha\beta}{}_\alpha + \frac{11}{2} c_1 \partial_\chi\Gamma_\beta{}^\delta{}_\delta\partial^\chi\Gamma^{\alpha\beta}{}_\alpha - \frac12 c_1\partial_\chi\Gamma^\delta{}_{\beta\delta}\partial^\chi\Gamma^{\alpha\beta}{}_\alpha -$
$\frac{37}{4} c_1 \partial_\chi\partial_\beta h^\delta{}_\delta \partial^\chi\Gamma^{\alpha\beta}{}_\alpha + c_1\partial_\alpha\Gamma_\chi{}^\delta{}_\delta\partial^\chi\Gamma^{\alpha\beta}{}_\beta - c_1\partial_\chi\Gamma_\alpha{}^\delta{}_\delta\partial^\chi\Gamma^{\alpha\beta}{}_\beta -$
$\frac92 c_1\partial_\chi\partial_\beta h^\delta{}_\delta\partial^\chi\partial_\alpha h^{\alpha\beta} + \frac{17}{8} c_1 \partial_\chi\partial_\beta h^\delta{}_\delta\partial^\chi\partial^\beta h^\alpha{}_\alpha - \frac12 c_1\partial_\chi\Gamma^{\alpha\beta\chi}\partial_\delta\Gamma_{\alpha\beta}{}^\delta -$
$\frac12 c_1\partial_\beta\Gamma^{\alpha\beta\chi}\partial_\delta\Gamma_{\alpha\chi}{}^\delta - \frac12 c_1 \partial_\beta\Gamma^{\alpha\beta\chi}\partial_\delta\Gamma_\alpha{}^\delta{}_\chi + \frac{19}{2} c_1\partial_\chi\Gamma^{\alpha\beta\chi}\partial_\delta\Gamma_{\beta\alpha}{}^\delta +$
$c_1\partial^\chi\Gamma^\alpha{}_\alpha{}^\beta\partial_\delta\Gamma_\beta{}^\delta{}_\chi + \frac12 c_1\partial^\chi\Gamma^\alpha{}_\alpha{}^\beta\partial_\delta\Gamma_{\chi\beta}{}^\delta + \frac12 c_1\partial^\chi\Gamma^{\alpha\beta}{}_\alpha\partial_\delta\Gamma_{\chi\beta}{}^\delta -$
$\frac12 c_1\partial_\beta\Gamma^{\alpha\beta\chi}\partial_\delta\Gamma_\chi{}^\delta{}_\alpha + \frac12 c_1\partial^\chi\Gamma_{\beta\alpha}{}^\beta\partial_\delta\Gamma_\chi{}^{\delta\alpha} + c_1\partial^\chi\Gamma^\alpha{}_\alpha{}^\beta\partial_\delta\Gamma_\chi{}^\delta{}_\beta -$
$\frac12 c_1\partial_\beta\Gamma^\alpha{}_\alpha{}^\beta\partial_\delta\Gamma^\chi{}_\chi{}^\delta + c_1\partial_\beta\Gamma^\alpha{}_\alpha{}^\beta\partial_\delta\Gamma^{\chi\delta}{}_\chi - \frac12 c_1\partial_\beta\Gamma^{\alpha\beta}{}_\alpha\partial_\delta\Gamma^{\chi\delta}{}_\chi -$
$\frac{37}{4} c_1\partial_\chi\Gamma^{\alpha\beta\chi}\partial_\delta\partial_\alpha h_\beta{}^\delta - \frac34 c_1\partial_\beta\Gamma^{\alpha\beta\chi}\partial_\delta\partial_\alpha h_\chi{}^\delta - \frac{37}{4} c_1\partial_\chi\Gamma^{\alpha\beta\chi}\partial_\delta\partial_\beta h_\alpha{}^\delta +$
$\frac38 c_1\partial_\chi\partial^\chi h^{\alpha\beta}\partial_\delta\partial_\beta h_\alpha{}^\delta + \frac{37}{8} c_1\partial_\alpha\partial^\chi h^{\alpha\beta}\partial_\delta\partial_\beta h_\chi{}^\delta + \frac34 c_1\partial^\chi\Gamma^\alpha{}_\alpha{}^\beta\partial_\delta\partial_\beta h_\chi{}^\delta +$
$\frac{37}{4} c_1\partial^\chi\Gamma^{\alpha\beta}{}_\alpha\partial_\delta\partial_\beta h_\chi{}^\delta - \frac38 c_1\partial^\chi\partial_\alpha h^{\alpha\beta}\partial_\delta\partial_\beta h_\chi{}^\delta + \frac{13}{4} c_1\partial^\chi\partial^\beta h^\alpha{}_\alpha\partial_\delta\partial_\beta h_\chi{}^\delta -$
$\frac34 c_1\partial_\beta\Gamma^{\alpha\beta\chi}\partial_\delta\partial_\chi h_\alpha{}^\delta - \frac{43}{8} c_1\partial_\alpha\partial^\chi h^{\alpha\beta}\partial_\delta\partial_\chi h_\beta{}^\delta + \frac34 c_1\partial^\chi\Gamma^\alpha{}_\alpha{}^\beta\partial_\delta\partial_\chi h_\beta{}^\delta +$
$\frac{37}{4} c_1\partial^\chi\Gamma^{\alpha\beta}{}_\alpha\partial_\delta\partial_\chi h_\beta{}^\delta + \frac{77}{8} c_1\partial^\chi\partial_\alpha h^{\alpha\beta}\partial_\delta\partial_\chi h_\beta{}^\delta - \frac{29}{4} c_1\partial^\chi\partial^\beta h^\alpha{}_\alpha\partial_\delta\partial_\chi h_\beta{}^\delta +$
$c_1\partial_\beta\Gamma^\alpha{}_\alpha{}^\beta\partial_\delta\partial_\chi h^{\chi\delta} - c_1\partial_\beta\Gamma^{\alpha\beta}{}_\alpha\partial_\delta\partial_\chi h^{\chi\delta} - \frac12 c_1\partial_\beta\partial_\alpha h^{\alpha\beta}\partial_\delta\partial_\chi h^{\chi\delta} +$
$c_1\partial_\beta\partial^\beta h^\alpha{}_\alpha\partial_\delta\partial_\chi h^{\chi\delta} + \frac{37}{4} c_1\partial_\chi\Gamma^{\alpha\beta\chi}\partial_\delta\partial^\delta h_{\alpha\beta} + \frac{17}{8} c_1\partial_\chi\partial^\chi h^{\alpha\beta}\partial_\delta\partial^\delta h_{\alpha\beta} +$
$\frac34 c_1\partial_\beta\Gamma^{\alpha\beta\chi}\partial_\delta\partial^\delta h_{\alpha\chi} + \frac14 c_1\partial_\alpha\partial^\chi h^{\alpha\beta}\partial_\delta\partial^\delta h_{\beta\chi} - \frac34 c_1\partial^\chi\Gamma^\alpha{}_\alpha{}^\beta\partial_\delta\partial^\delta h_{\beta\chi} -$
$\frac{37}{4} c_1\partial^\chi\Gamma^{\alpha\beta}{}_\alpha\partial_\delta\partial^\delta h_{\beta\chi} - \frac{73}{8} c_1\partial^\chi\partial_\alpha h^{\alpha\beta}\partial_\delta\partial^\delta h_{\beta\chi} + \frac{17}{4} c_1\partial^\chi\partial^\beta h^\alpha{}_\alpha\partial_\delta\partial^\delta h_{\beta\chi} -$
$c_1\partial_\beta\Gamma^\alpha{}_\alpha{}^\beta\partial_\delta\partial^\delta h^\chi{}_\chi + c_1\partial_\beta\Gamma^{\alpha\beta}{}_\alpha\partial_\delta\partial^\delta h^\chi{}_\chi - \frac12 c_1\partial_\beta\partial^\beta h^\alpha{}_\alpha\partial_\delta\partial^\delta h^\chi{}_\chi +$
$\frac12 c_1\partial_\alpha\Gamma_{\beta\chi\delta}\partial^\delta\Gamma^{\alpha\beta\chi} + c_1\partial_\alpha\Gamma_{\beta\delta\chi}\partial^\delta\Gamma^{\alpha\beta\chi} + c_1\partial_\alpha\Gamma_{\chi\beta\delta}\partial^\delta\Gamma^{\alpha\beta\chi} +$
$\frac12 c_1\partial_\alpha\Gamma_{\chi\delta\beta}\partial^\delta\Gamma^{\alpha\beta\chi} + c_1\partial_\alpha\Gamma_{\delta\beta\chi}\partial^\delta\Gamma^{\alpha\beta\chi} + c_1\partial_\alpha\Gamma_{\delta\chi\beta}\partial^\delta\Gamma^{\alpha\beta\chi} -$
$\frac12 c_1\partial_\beta\Gamma_{\alpha\chi\delta}\partial^\delta\Gamma^{\alpha\beta\chi} - \frac12 c_1\partial_\beta\Gamma_{\alpha\delta\chi}\partial^\delta\Gamma^{\alpha\beta\chi} - \frac12 c_1\partial_\beta\Gamma_{\chi\delta\alpha}\partial^\delta\Gamma^{\alpha\beta\chi} -$
$\frac32 c_1\partial_\beta\partial_\alpha h_{\chi\delta}\partial^\delta\Gamma^{\alpha\beta\chi} - \frac12 c_1\partial_\chi\Gamma_{\alpha\beta\delta}\partial^\delta\Gamma^{\alpha\beta\chi} - \frac12 c_1\partial_\chi\Gamma_{\beta\alpha\delta}\partial^\delta\Gamma^{\alpha\beta\chi} +$
$c_1\partial_\chi\Gamma_{\beta\delta\alpha}\partial^\delta\Gamma^{\alpha\beta\chi} + \frac32 c_1\partial_\chi\partial_\alpha h_{\beta\delta}\partial^\delta\Gamma^{\alpha\beta\chi} - c_1\partial_\delta\Gamma_{\alpha\beta\chi}\partial^\delta\Gamma^{\alpha\beta\chi} -$
$c_1\partial_\delta\Gamma_{\alpha\chi\beta}\partial^\delta\Gamma^{\alpha\beta\chi} - \frac12 c_1\partial_\delta\Gamma_{\beta\alpha\chi}\partial^\delta\Gamma^{\alpha\beta\chi} - \frac12 c_1\partial_\delta\Gamma_{\beta\chi\alpha}\partial^\delta\Gamma^{\alpha\beta\chi} -$
$\frac12 c_1\partial_\delta\Gamma_{\chi\beta\alpha}\partial^\delta\Gamma^{\alpha\beta\chi} + \frac32 c_1\partial_\delta\partial_\beta h_{\alpha\chi}\partial^\delta\Gamma^{\alpha\beta\chi} - \frac32 c_1\partial_\delta\partial_\chi h_{\alpha\beta}\partial^\delta\Gamma^{\alpha\beta\chi} -$
$\frac{11}{2} c_1\partial_\beta\Gamma_{\delta\alpha}{}^\beta\partial^\delta\Gamma^{\chi\alpha}{}_\chi - \frac12 c_1\partial^\alpha\Gamma_{\delta\alpha}{}^\beta\partial^\delta\Gamma^\chi{}_{\beta\chi} + \frac12 c_1\partial_\beta\Gamma_\delta{}^\beta{}_\alpha\partial^\delta\Gamma^{\chi\alpha}{}_\chi -$
$\frac34 c_1\partial_\beta\partial_\alpha h_{\chi\delta}\partial^\delta\partial^\chi h^{\alpha\beta} + \frac32 c_1\partial_\chi\partial_\beta h_{\alpha\delta}\partial^\delta\partial^\chi h^{\alpha\beta} - \frac34 c_1\partial_\delta\partial_\chi h_{\alpha\beta}\partial^\delta\partial^\chi h^{\alpha\beta}$

Added source term: $h^{\alpha\beta}\mathcal{T}_{\alpha\beta} + \Gamma^{\alpha\beta\chi}\Delta_{\alpha\beta\chi}$

	$\Delta^{\#1}_{1^+\alpha\beta}$	$\Delta^{\#2}_{1^+\alpha\beta}$	$\Delta^{\#3}_{1^+\alpha\beta}$	$\Delta^{\#1}_{1^-\alpha}$	$\Delta^{\#2}_{1^-\alpha}$	$\Delta^{\#3}_{1^-\alpha}$	$\Delta^{\#4}_{1^-\alpha}$	$\Delta^{\#5}_{1^-\alpha}$	$\Delta^{\#6}_{1^-\alpha}$	$\mathcal{T}^{\#1}_{1^-\alpha}$
$\Delta^{\#1}_{1^+}\dagger^{\alpha\beta}$	0	$-\frac{2\sqrt{2}}{a_0}$	0	0	0	0	0	0	0	0
$\Delta^{\#2}_{1^+}\dagger^{\alpha\beta}$	$-\frac{2\sqrt{2}}{a_0}$	$\frac{2(a_0^2-14a_0c_1k^2-35c_1^2k^4)}{a_0^2(a_0-29c_1k^2)}$	$\frac{40\sqrt{2}c_1k^2}{a_0^2-29a_0c_1k^2}$	0	0	0	0	0	0	0
$\Delta^{\#3}_{1^+}\dagger^{\alpha\beta}$	0	$\frac{40\sqrt{2}c_1k^2}{a_0^2-29a_0c_1k^2}$	$\frac{4}{a_0-29c_1k^2}$	0	0	0	0	0	0	0
$\Delta^{\#1}_{1^-}\dagger^{\alpha}$	0	0	0	0	$\frac{2\sqrt{2}}{a_0}$	0	0	0	0	0
$\Delta^{\#2}_{1^-}\dagger^{\alpha}$	0	0	0	$\frac{2\sqrt{2}}{a_0}$	$\frac{2(a_0^2-30a_0c_1k^2+401c_1^2k^4)}{a_0^2(a_0-33c_1k^2)}$	$\frac{5\sqrt{\frac{2}{3}}c_1k^2(7a_0-236c_1k^2)}{a_0^2(a_0-33c_1k^2)}$	$-\frac{5\sqrt{\frac{10}{3}}c_1k^2}{a_0^2-33a_0c_1k^2}$	$\frac{10c_1k^2(-11a_0+118c_1k^2)}{\sqrt{3}a_0^2(a_0-33c_1k^2)}$	$\frac{50\sqrt{\frac{2}{3}}c_1k^2}{a_0^2-33a_0c_1k^2}$	0
$\Delta^{\#3}_{1^-}\dagger^{\alpha}$	0	0	0	0	$\frac{5\sqrt{\frac{2}{3}}c_1k^2(7a_0-236c_1k^2)}{a_0^2(a_0-33c_1k^2)}$	$\frac{-19a_0^2+472a_0c_1k^2+5120c_1^2k^4}{12a_0^2(a_0-33c_1k^2)}$	$\frac{\sqrt{5}(5a_0-164c_1k^2)}{12a_0(a_0-33c_1k^2)}$	$-\frac{a_0^2-118a_0c_1k^2+2560c_1^2k^4}{6\sqrt{2}a_0^2(a_0-33c_1k^2)}$	$-\frac{a_0-28c_1k^2}{6a_0^2-198a_0c_1k^2}$	0
$\Delta^{\#4}_{1^-}\dagger^{\alpha}$	0	0	0	0	$-\frac{5\sqrt{\frac{10}{3}}c_1k^2}{a_0^2-33a_0c_1k^2}$	$\frac{\sqrt{5}(5a_0-164c_1k^2)}{12a_0(a_0-33c_1k^2)}$	$\frac{1}{12a_0-396c_1k^2}$	$-\frac{\sqrt{\frac{5}{2}}(a_0-82c_1k^2)}{6a_0(a_0-33c_1k^2)}$	$-\frac{\sqrt{5}}{6(a_0-33c_1k^2)}$	0
$\Delta^{\#5}_{1^-}\dagger^{\alpha}$	0	0	0	0	$\frac{10c_1k^2(-11a_0+118c_1k^2)}{\sqrt{3}a_0^2(a_0-33c_1k^2)}$	$-\frac{a_0^2-118a_0c_1k^2+2560c_1^2k^4}{6\sqrt{2}a_0^2(a_0-33c_1k^2)}$	$-\frac{\sqrt{\frac{5}{2}}(a_0-82c_1k^2)}{6a_0(a_0-33c_1k^2)}$	$\frac{17a_0^2-236a_0c_1k^2+1280c_1^2k^4}{6a_0^2(a_0-33c_1k^2)}$	$-\frac{7(a_0+2c_1k^2)}{3\sqrt{2}a_0(a_0-33c_1k^2)}$	0
$\Delta^{\#6}_{1^-}\dagger^{\alpha}$	0	0	0	0	$\frac{50\sqrt{\frac{2}{3}}c_1k^2}{a_0^2-33a_0c_1k^2}$	$-\frac{a_0-28c_1k^2}{6a_0^2-198a_0c_1k^2}$	$-\frac{\sqrt{5}}{6(a_0-33c_1k^2)}$	$-\frac{7(a_0+2c_1k^2)}{3\sqrt{2}a_0(a_0-33c_1k^2)}$	$\frac{5}{3(a_0-33c_1k^2)}$	0
$\mathcal{T}^{\#1}_{1^-}\dagger^{\alpha}$	0	0	0	0	0	0	0	0	0	0

	$\Gamma^{\#1}_{1^+\alpha\beta}$	$\Gamma^{\#2}_{1^+\alpha\beta}$	$\Gamma^{\#3}_{1^+\alpha\beta}$	$\Gamma^{\#1}_{1^-\alpha}$	$\Gamma^{\#2}_{1^-\alpha}$	$\Gamma^{\#3}_{1^-\alpha}$	$\Gamma^{\#4}_{1^-\alpha}$	$\Gamma^{\#5}_{1^-\alpha}$	$\Gamma^{\#6}_{1^-\alpha}$	$h^{\#1}_{1^-\alpha}$
$\Gamma^{\#1}_{1^+}\dagger^{\alpha\beta}$	$\frac14(-a_0-15c_1k^2)$	$-\frac{a_0}{2\sqrt{2}}$	$5c_1k^2$	0	0	0	0	0	0	0
$\Gamma^{\#2}_{1^+}\dagger^{\alpha\beta}$	$-\frac{a_0}{2\sqrt{2}}$	0	0	0	0	0	0	0	0	0
$\Gamma^{\#3}_{1^+}\dagger^{\alpha\beta}$	$5c_1k^2$	0	$\frac14(a_0-29c_1k^2)$	0	0	0	0	0	0	0
$\Gamma^{\#1}_{1^-}\dagger^{\alpha}$	0	0	0	$\frac14(-a_0-3c_1k^2)$	$\frac{a_0}{2\sqrt{2}}$	$\frac52\sqrt{3}c_1k^2$	$-\frac52\sqrt{\frac53}c_1k^2$	$5\sqrt{\frac32}c_1k^2$	$-\frac{5c_1k^2}{\sqrt{3}}$	0
$\Gamma^{\#2}_{1^-}\dagger^{\alpha}$	0	0	0	$\frac{a_0}{2\sqrt{2}}$	0	0	0	0	0	0
$\Gamma^{\#3}_{1^-}\dagger^{\alpha}$	0	0	0	$\frac52\sqrt{3}c_1k^2$	0	$-\frac{a_0}{3}$	$\frac16\sqrt{5}(a_0-8c_1k^2)$	$-\frac{a_0}{6\sqrt{2}}$	$\frac16(-a_0+20c_1k^2)$	0
$\Gamma^{\#4}_{1^-}\dagger^{\alpha}$	0	0	0	$-\frac52\sqrt{\frac53}c_1k^2$	0	$\frac16\sqrt{5}(a_0-8c_1k^2)$	$\frac13(a_0+7c_1k^2)$	$-\frac16\sqrt{\frac52}(a_0+16c_1k^2)$	$-\frac16\sqrt{5}(a_0-5c_1k^2)$	0
$\Gamma^{\#5}_{1^-}\dagger^{\alpha}$	0	0	0	$5\sqrt{\frac32}c_1k^2$	0	$-\frac{a_0}{6\sqrt{2}}$	$-\frac16\sqrt{\frac52}(a_0+16c_1k^2)$	$\frac{a_0}{3}$	$\frac{a_0+40c_1k^2}{6\sqrt{2}}$	0
$\Gamma^{\#6}_{1^-}\dagger^{\alpha}$	0	0	0	$-\frac{5c_1k^2}{\sqrt{3}}$	0	$\frac16(-a_0+20c_1k^2)$	$-\frac16\sqrt{5}(a_0-5c_1k^2)$	$\frac{a_0+40c_1k^2}{6\sqrt{2}}$	$\frac{5}{12}(a_0-17c_1k^2)$	0
$h^{\#1}_{1^-}\dagger^{\alpha}$	0	0	0	0	0	0	0	0	0	0

	$\Gamma^{\#1}_{3^-\alpha\beta\chi}$
$\Gamma^{\#1}_{3^-}\dagger^{\alpha\beta\chi}$	$\frac12(-a_0-7c_1k^2)$

	$\Delta^{\#1}_{3^-\alpha\beta\chi}$
$\Delta^{\#1}_{3^-}\dagger^{\alpha\beta\chi}$	$-\frac{2}{a_0+7c_1k^2}$

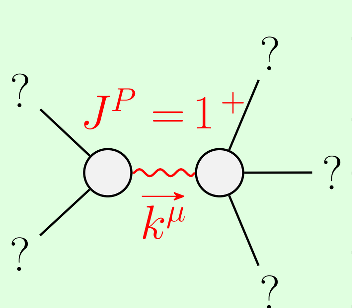
	$\Gamma^{\#1}_{0^+}$	$\Gamma^{\#2}_{0^+}$	$\Gamma^{\#3}_{0^+}$	$\Gamma^{\#4}_{0^+}$	$h^{\#1}_{0^+}$	$h^{\#2}_{0^+}$	$\Gamma^{\#1}_{0^-}$
$\Gamma^{\#1}_{0^+}\dagger$	$\frac12(-a_0+25c_1k^2)$	0	$10\sqrt{\frac23}c_1k^2$	$-\frac{10c_1k^2}{\sqrt{3}}$	$-\frac{25ic_1k^3}{2\sqrt{2}}$	0	0
$\Gamma^{\#2}_{0^+}\dagger$	0	0	$\frac{a_0}{2}$	$-\frac{a_0}{2\sqrt{2}}$	0	0	0
$\Gamma^{\#3}_{0^+}\dagger$	$10\sqrt{\frac23}c_1k^2$	$\frac{a_0}{2}$	$\frac{23c_1k^2}{3}$	$-\frac{3a_0+46c_1k^2}{6\sqrt{2}}$	$-\frac{10ic_1k^3}{\sqrt{3}}$	0	0
$\Gamma^{\#4}_{0^+}\dagger$	$-\frac{10c_1k^2}{\sqrt{3}}$	$-\frac{a_0}{2\sqrt{2}}$	$-\frac{3a_0+46c_1k^2}{6\sqrt{2}}$	$\frac16(3a_0+23c_1k^2)$	$5i\sqrt{\frac23}c_1k^3$	0	0
$h^{\#1}_{0^+}\dagger$	$\frac{25ic_1k^3}{2\sqrt{2}}$	0	$\frac{10ic_1k^3}{\sqrt{3}}$	$-5i\sqrt{\frac23}c_1k^3$	$\frac14k^2(a_0+25c_1k^2)$	0	0
$h^{\#2}_{0^+}\dagger$	0	0	0	0	0	0	0
$\Gamma^{\#1}_{0^-}\dagger$	0	0	0	0	0	0	$\frac12(-a_0+c_1k^2)$

	$\Delta^{\#1}_{0^+}$	$\Delta^{\#2}_{0^+}$	$\Delta^{\#3}_{0^+}$	$\Delta^{\#4}_{0^+}$	$\mathcal{T}^{\#1}_{0^+}$	$\mathcal{T}^{\#2}_{0^+}$	$\Delta^{\#1}_{0^-}$
$\Delta^{\#1}_{0^+}\dagger$	$-\frac{2(a_0+25c_1k^2)}{a_0^2}$	$\frac{10\sqrt{6}c_1k^2}{a_0^2}$	$-\frac{10\sqrt{\frac23}c_1k^2}{a_0^2}$	$-\frac{20c_1k^2}{\sqrt{3}a_0^2}$	$-\frac{50i\sqrt{2}c_1k}{a_0^2}$	0	0
$\Delta^{\#2}_{0^+}\dagger$	$\frac{10\sqrt{6}c_1k^2}{a_0^2}$	$-\frac{3(a_0+23c_1k^2)}{4a_0^2}$	$\frac{5a_0+23c_1k^2}{4a_0^2}$	$-\frac{a_0-23c_1k^2}{2\sqrt{2}a_0^2}$	$\frac{20i\sqrt{3}c_1k}{a_0^2}$	0	0
$\Delta^{\#3}_{0^+}\dagger$	$-\frac{10\sqrt{\frac23}c_1k^2}{a_0^2}$	$\frac{5a_0+23c_1k^2}{4a_0^2}$	$-\frac{9a_0+23c_1k^2}{12a_0^2}$	$-\frac{3a_0+23c_1k^2}{6\sqrt{2}a_0^2}$	$-\frac{20ic_1k}{\sqrt{3}a_0^2}$	0	0
$\Delta^{\#4}_{0^+}\dagger$	$-\frac{20c_1k^2}{\sqrt{3}a_0^2}$	$-\frac{a_0-23c_1k^2}{2\sqrt{2}a_0^2}$	$-\frac{3a_0+23c_1k^2}{6\sqrt{2}a_0^2}$	$\frac{3a_0-23c_1k^2}{6a_0^2}$	$-\frac{20i\sqrt{\frac23}c_1k}{a_0^2}$	0	0
$\mathcal{T}^{\#1}_{0^+}\dagger$	$\frac{50i\sqrt{2}c_1k}{a_0^2}$	$-\frac{20i\sqrt{3}c_1k}{a_0^2}$	$\frac{20ic_1k}{\sqrt{3}a_0^2}$	$\frac{20i\sqrt{\frac23}c_1k}{a_0^2}$	$\frac{4(a_0-25c_1k^2)}{a_0^2k^2}$	0	0
$\mathcal{T}^{\#2}_{0^+}\dagger$	0	0	0	0	0	0	0
$\Delta^{\#1}_{0^-}\dagger$	0	0	0	0	0	0	$-\frac{2}{a_0-c_1k^2}$

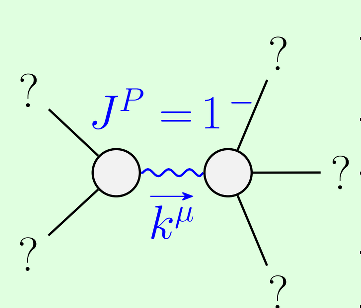
	$\Delta^{\#1}_{2^+\alpha\beta}$	$\Delta^{\#2}_{2^+\alpha\beta}$	$\Delta^{\#3}_{2^+\alpha\beta}$	$\mathcal{T}^{\#1}_{2^+\alpha\beta}$	$\Delta^{\#1}_{2^-\alpha\beta\chi}$	$\Delta^{\#2}_{2^-\alpha\beta\chi}$
$\Delta^{\#1}_{2^+}\dagger^{\alpha\beta}$	$\frac{4(a_0-11c_1k^2)}{a_0^2}$	$-\frac{40\sqrt{\frac23}c_1k^2}{a_0^2}$	$-\frac{80c_1k^2}{\sqrt{3}a_0^2}$	$-\frac{44i\sqrt{2}c_1k}{a_0^2}$	0	0
$\Delta^{\#2}_{2^+}\dagger^{\alpha\beta}$	$-\frac{40\sqrt{\frac23}c_1k^2}{a_0^2}$	$-\frac{2(3a_0+c_1k^2)}{3a_0^2}$	$-\frac{2\sqrt{2}c_1k^2}{3a_0^2}$	$-\frac{80ic_1k}{\sqrt{3}a_0^2}$	0	0
$\Delta^{\#3}_{2^+}\dagger^{\alpha\beta}$	$-\frac{80c_1k^2}{\sqrt{3}a_0^2}$	$-\frac{2\sqrt{2}c_1k^2}{3a_0^2}$	$\frac{4(3a_0-c_1k^2)}{3a_0^2}$	$-\frac{80i\sqrt{\frac23}c_1k}{a_0^2}$	0	0
$\mathcal{T}^{\#1}_{2^+}\dagger^{\alpha\beta}$	$\frac{44i\sqrt{2}c_1k}{a_0^2}$	$\frac{80ic_1k}{\sqrt{3}a_0^2}$	$\frac{80i\sqrt{\frac23}c_1k}{a_0^2}$	$-\frac{8(a_0+11c_1k^2)}{a_0^2k^2}$	0	0
$\Delta^{\#1}_{2^-}\dagger^{\alpha\beta\chi}$	0	0	0	0	$\frac{4}{a_0-c_1k^2}$	0
$\Delta^{\#2}_{2^-}\dagger^{\alpha\beta\chi}$	0	0	0	0	0	$\frac{4}{a_0-5c_1k^2}$

	$\Gamma^{\#1}_{2^+\alpha\beta}$	$\Gamma^{\#2}_{2^+\alpha\beta}$	$\Gamma^{\#3}_{2^+\alpha\beta}$	$h^{\#1}_{2^+\alpha\beta}$	$\Gamma^{\#1}_{2^-\alpha\beta\chi}$	$\Gamma^{\#2}_{2^-\alpha\beta\chi}$
$\Gamma^{\#1}_{2^+}\dagger^{\alpha\beta}$	$\frac14(a_0+11c_1k^2)$	$-5\sqrt{\frac23}c_1k^2$	$\frac{5c_1k^2}{\sqrt{3}}$	$-\frac{11ic_1k^3}{4\sqrt{2}}$	0	0
$\Gamma^{\#2}_{2^+}\dagger^{\alpha\beta}$	$-5\sqrt{\frac23}c_1k^2$	$\frac16(-3a_0+c_1k^2)$	$-\frac{c_1k^2}{6\sqrt{2}}$	$\frac{5ic_1k^3}{\sqrt{3}}$	0	0
$\Gamma^{\#3}_{2^+}\dagger^{\alpha\beta}$	$\frac{5c_1k^2}{\sqrt{3}}$	$-\frac{c_1k^2}{6\sqrt{2}}$	$\frac{1}{12}(3a_0+c_1k^2)$	$-\frac{5ic_1k^3}{\sqrt{6}}$	0	0
$h^{\#1}_{2^+}\dagger^{\alpha\beta}$	$\frac{11ic_1k^3}{4\sqrt{2}}$	$-\frac{5ic_1k^3}{\sqrt{3}}$	$\frac{5ic_1k^3}{\sqrt{6}}$	$-\frac18k^2(a_0-11c_1k^2)$	0	0
$\Gamma^{\#1}_{2^-}\dagger^{\alpha\beta\chi}$	0	0	0	0	$\frac14(a_0-c_1k^2)$	0
$\Gamma^{\#2}_{2^-}\dagger^{\alpha\beta\chi}$	0	0	0	0	0	$\frac14(a_0-5c_1k^2)$

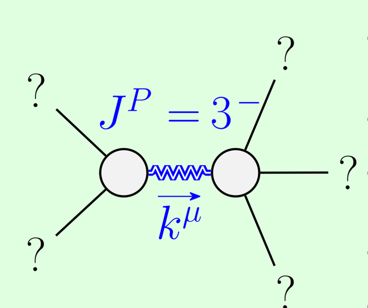
Source constraints	
SO(3) irreps	#
$\mathcal{T}^{\#2}_{0^+} == 0$	1
$\Delta^{\#3}_{0^+} + 2\Delta^{\#4}_{0^+} + 3\Delta^{\#2}_{0^+} == 0$	1
$\mathcal{T}^{\#1\alpha}_{1^-} == 0$	3
$2\Delta^{\#6\alpha}_{1^-} + \Delta^{\#4\alpha}_{1^-} + 2\Delta^{\#5\alpha}_{1^-} + \Delta^{\#3\alpha}_{1^-} == 0$	3
Total #:	8



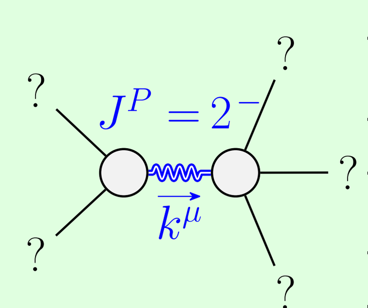
Massive particle	
Pole residue:	$-\frac{4164}{24389c_1} > 0$
Polarisations:	3
Square mass:	$\frac{a_0}{29c_1} > 0$
Spin:	1
Parity:	Even



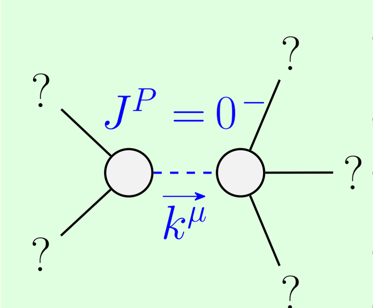
Massive particle	
Pole residue:	$\frac{4907}{35937c_1} > 0$
Polarisations:	3
Square mass:	$\frac{a_0}{33c_1} > 0$
Spin:	1
Parity:	Odd



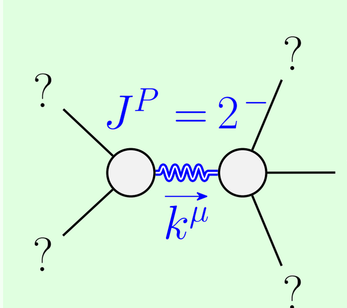
Massive particle	
Pole residue:	$\frac{2}{7c_1} > 0$
Polarisations:	7
Square mass:	$-\frac{a_0}{7c_1} > 0$
Spin:	3
Parity:	Odd



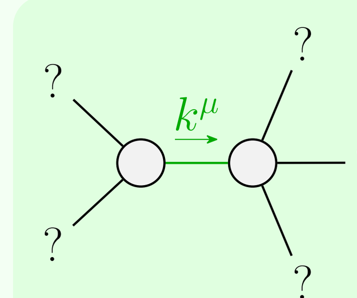
Massive particle	
Pole residue:	$\frac{4}{5c_1} > 0$
Polarisations:	5
Square mass:	$\frac{a_0}{5c_1} > 0$
Spin:	2
Parity:	Odd



Massive particle	
Pole residue:	$-\frac{2}{c_1} > 0$
Polarisations:	1
Square mass:	$\frac{a_0}{c_1} > 0$
Spin:	0
Parity:	Odd



Massive particle	
Pole residue:	$\frac{4}{c_1} > 0$
Polarisations:	5
Square mass:	$\frac{a_0}{c_1} > 0$
Spin:	2
Parity:	Odd



Quadratic pole	
Pole residue:	$-\frac{1}{a_0} > 0$
Polarisations:	2

Unitarity conditions

(Unitarity is demonstrably impossible)