	$\Delta^{\#1}_{1^+\alpha\beta}$	$\Delta^{\#2}_{1^+\alpha\beta}$	$\Delta^{\#3}_{1^+\alpha\beta}$	$\Delta^{\#1}_{1^+\alpha}$	$\Delta^{\#2}_{1^+\alpha}$	$\Delta^{\#3}_{1^+\alpha}$	$\Delta^{\#4}_{1^+\alpha}$	$\Delta^{\#5}_{1^+\alpha}$	$\Delta^{\#6}_{1^+\alpha}$	$\mathcal{T}^{\#1}_{1^+\alpha}$
$\Delta^{\#1}_{1^+}\uparrow^{\alpha\beta}$	$\frac{4}{3}\left(-\frac{1}{a_0+4a_1-4a_2}+(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)/(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))\right)$	$\frac{2}{3}\sqrt{2}\left(-\frac{1}{a_0+4a_1-4a_2}+(-2a_0+8a_1+4a_2+6a_3-32a_6+8a_7+4a_9)/(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))\right)$	$\frac{4(2a_1+a_2+a_9)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	0	0	0	0	0	0	0
$\Delta^{\#2}_{1^+}\uparrow^{\alpha\beta}$	$\frac{2}{3}\sqrt{2}\left(-\frac{1}{a_0+4a_1-4a_2}+(-2a_0+8a_1+4a_2+6a_3-32a_6+8a_7+4a_9)/(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))\right)$	$-\frac{2}{3(a_0+4a_1-4a_2)}+(8(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)/(3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))))$	$-((4\sqrt{2}(2a_1+a_2+a_9))/(3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))))$	0	0	0	0	0	0	0
$\Delta^{\#3}_{1^+}\uparrow^{\alpha\beta}$	$\frac{4(2a_1+a_2+a_9)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	$-((4\sqrt{2}(2a_1+a_2+a_9))/(3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))))$	$\frac{4(a_0-2a_1-a_2)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	0	0	0	0	0	0	0
$\Delta^{\#1}_{1^+}\uparrow^{\alpha}$	0	0	0	$\frac{4}{3}\left(-\frac{2}{2a_0+2a_1+a_2+3a_3}+(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)/(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))\right)$	$(4\sqrt{2}(3a_0^2-4a_1^2-a_2^2-3a_3(3a_3+4(-4a_6+a_7))-6a_3a_9-a_9^2-2a_2(3a_3+a_9)-4a_1(a_2+3a_3+a_9)-6a_0(2a_1+a_2+a_3-8a_6+2a_7+a_9)))/(3(2a_0+2a_1+a_2+3a_3)(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	0	0	$\frac{4\sqrt{\frac{2}{3}}(2a_1+a_2+a_9)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	$-((4(2a_1+a_2+a_9))/(3\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))))$	0
$\Delta^{\#2}_{1^+}\uparrow^{\alpha}$	0	0	0	$(4\sqrt{2}(3a_0^2-4a_1^2-a_2^2-3a_3(3a_3+4(-4a_6+a_7))-6a_3a_9-a_9^2-2a_2(3a_3+a_9)-4a_1(a_2+3a_3+a_9)-6a_0(2a_1+a_2+a_3-8a_6+2a_7+a_9)))/(3(2a_0+2a_1+a_2+3a_3)(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	$-\frac{4}{3(2a_0+2a_1+a_2+3a_3)}+(8(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9))/(3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	0	0	$(8(2a_1+a_2+a_9))/(3\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	$-((4\sqrt{\frac{2}{3}}(2a_1+a_2+a_9))/(3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))))$	0
$\Delta^{\#3}_{1^+}\uparrow^{\alpha}$	0	0	0	0	0	$-\frac{5}{18(a_0+4a_6-4a_7)}$	$\frac{\sqrt{5}}{18(a_0+4a_6-4a_7)}$	0	0	0
$\Delta^{\#4}_{1^+}\uparrow^{\alpha}$	0	0	0	0	0	$\frac{\sqrt{5}}{18(a_0+4a_6-4a_7)}$	$\frac{1}{-18(a_0+4a_6)+72a_7}$	0	0	0
$\Delta^{\#5}_{1^+}\uparrow^{\alpha}$	0	0	0	$\frac{4\sqrt{\frac{2}{3}}(2a_1+a_2+a_9)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	$(8(2a_1+a_2+a_9))/(3\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	0	0	$\frac{8(a_0-2a_1-a_2)}{9(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	$\frac{4\sqrt{2}(-a_0+2a_1+a_2)}{9(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	0
$\Delta^{\#6}_{1^+}\uparrow^{\alpha}$	0	0	0	$-((4(2a_1+a_2+a_9))/(3\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))))$	$-((4\sqrt{\frac{2}{3}}(2a_1+a_2+a_9))/(3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))))$	0	0	$\frac{4\sqrt{2}(-a_0+2a_1+a_2)}{9(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	$\frac{4(a_0-2a_1-a_2)}{9(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	0
$\mathcal{T}^{\#1}_{1^+}\uparrow^{\alpha}$	0	0	0	0	0	0	0	0	0	0

	$\Gamma^{\#1}_{1^+\alpha\beta}$	$\Gamma^{\#2}_{1^+\alpha\beta}$	$\Gamma^{\#3}_{1^+\alpha\beta}$	$\Gamma^{\#1}_{1^-\alpha}$	$\Gamma^{\#2}_{1^-\alpha}$	$\Gamma^{\#3}_{1^-\alpha}$	$\Gamma^{\#4}_{1^-\alpha}$	$\Gamma^{\#5}_{1^-\alpha}$	$\Gamma^{\#6}_{1^-\alpha}$	$h^{\#1}_{1^-\alpha}$
$\Gamma^{\#1}_{1^+}\uparrow^{\alpha\beta}$	$\frac{1}{4}(-a_0-6a_1+5a_2)$	$-\frac{a_0+2a_1-3a_2}{2\sqrt{2}}$	$\frac{1}{4}(-2a_1-a_2-a_9)$	0	0	0	0	0	0	0
$\Gamma^{\#2}_{1^+}\uparrow^{\alpha\beta}$	$-\frac{a_0+2a_1-3a_2}{2\sqrt{2}}$	$\frac{1}{2}(-2a_1+a_2)$	$\frac{2a_1+a_2+a_9}{2\sqrt{2}}$	0	0	0	0	0	0	0
$\Gamma^{\#3}_{1^+}\uparrow^{\alpha\beta}$	$\frac{1}{4}(-2a_1-a_2-a_9)$	$\frac{2a_1+a_2+a_9}{2\sqrt{2}}$	$\frac{3}{4}(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)$	0	0	0	0	0	0	0
$\Gamma^{\#1}_{1^+}\uparrow^{\alpha}$	0	0	0	$\frac{1}{4}(-a_0-2a_1-a_2-2a_3)$	$\frac{a_0+a_3}{2\sqrt{2}}$	0	0	$-\frac{2a_1+a_2+a_9}{2\sqrt{6}}$	$\frac{2a_1+a_2+a_9}{4\sqrt{3}}$	0
$\Gamma^{\#2}_{1^+}\uparrow^{\alpha}$	0	0	0	$\frac{a_0+a_3}{2\sqrt{2}}$	$\frac{1}{4}(-2a_1-a_2-a_3)$	0	0	$-\frac{2a_1+a_2+a_9}{2\sqrt{3}}$	$\frac{2a_1+a_2+a_9}{2\sqrt{6}}$	0
$\Gamma^{\#3}_{1^+}\uparrow^{\alpha}$	0	0	0	0	0	$-\frac{3}{2}(a_0+4a_6-4a_7)$	$\frac{1}{2}\sqrt{5}(a_0+4a_6-4a_7)$	0	0	0
$\Gamma^{\#4}_{1^+}\uparrow^{\alpha}$	0	0	0	0	0	$\frac{1}{2}\sqrt{5}(a_0+4a_6-4a_7)$	$-\frac{5a_0}{2}-2a_6+2a_7$	0	0	0
$\Gamma^{\#5}_{1^+}\uparrow^{\alpha}$	0	0	0	$-\frac{2a_1+a_2+a_9}{2\sqrt{6}}$	$-\frac{2a_1+a_2+a_9}{2\sqrt{3}}$	0	0	$\frac{1}{2}(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)$	$\frac{-a_0+4a_1+2a_2+3a_3-16a_6+4a_7+2a_9}{2\sqrt{2}}$	0
$\Gamma^{\#6}_{1^+}\uparrow^{\alpha}$	0	0	0	$\frac{2a_1+a_2+a_9}{4\sqrt{3}}$	$\frac{2a_1+a_2+a_9}{2\sqrt{6}}$	0	0	$\frac{-a_0+4a_1+2a_2+3a_3-16a_6+4a_7+2a_9}{2\sqrt{2}}$	$\frac{1}{4}(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)$	0
$h^{\#1}_{1^+}\uparrow^{\alpha}$	0	0	0	0	0	0	0	0	0	0

	$\Delta^{\#1}_{0^+}$	$\Delta^{\#2}_{0^+}$	$\Delta^{\#3}_{0^+}$	$\Delta^{\#4}_{0^+}$	$\mathcal{T}^{\#1}_{0^+}$	$\mathcal{T}^{\#2}_{0^+}$	$\Delta^{\#1}_{0^-}$
$\Delta^{\#1}_{0^+}\uparrow$	$-\frac{4}{2a_0+2a_1+a_2+3a_3}$	0	0	0	0	0	0
$\Delta^{\#2}_{0^+}\uparrow$	0	$\frac{1}{-6(a_0+4a_6)+24a_7}$	$\frac{1}{6(a_0+4a_6-4a_7)}$	0	0	0	0
$\Delta^{\#3}_{0^+}\uparrow$	0	$\frac{1}{6a_0+24a_6-24a_7}$	$\frac{1}{-6(a_0+4a_6)+24a_7}$	0	0	0	0
$\Delta^{\#4}_{0^+}\uparrow$	0	0	0	0	0	0	0
$\mathcal{T}^{\#1}_{0^+}\uparrow$	0	0	0	0	$\frac{4}{a_0 k^2}$	0	0
$\mathcal{T}^{\#2}_{0^+}\uparrow$	0	0	0	0	0	0	0
$\Delta^{\#1}_{0^-}\uparrow$	0	0	0	0	0	0	$-\frac{2}{a_0+4(a_1-a_2+3c_1k^2)}$

	$\Gamma^{\#1}_{0^+}$	$\Gamma^{\#2}_{0^+}$	$\Gamma^{\#3}_{0^+}$	$\Gamma^{\#4}_{0^+}$	$h^{\#1}_{0^+}$	$h^{\#2}_{0^+}$	$\Gamma^{\#1}_{0^-}$
$\Gamma^{\#1}_{0^+}\uparrow$	$(-2a_0-2a_1-a_2-3a_3)$	0	0	0	0	0	0
$\Gamma^{\#2}_{0^+}\uparrow$	0	$-\frac{3}{2}(a_0+4a_6-4a_7)$	$\frac{3}{2}(a_0+4a_6-4a_7)$	0	0	0	0
$\Gamma^{\#3}_{0^+}\uparrow$	0	$\frac{3}{2}(a_0+4a_6-4a_7)$	$-\frac{3}{2}(a_0+4a_6-4a_7)$	0	0	0	0
$\Gamma^{\#4}_{0^+}\uparrow$	0	0	0	0	0	0	0
$h^{\#1}_{0^+}\uparrow$	0	0	0	0	$\frac{a_0 k^2}{4}$	0	0
$h^{\#2}_{0^+}\uparrow$	0	0	0	0	0	0	0
$\Gamma^{\#1}_{0^-}\uparrow$	0	0	0	0	0	0	$\frac{3a_0}{2}-2a_1+2a_2-6c_1k^2$

Lagrangian density

$$\frac{2}{3}a_1\Gamma^{X}_{\alpha X}\Gamma^{\alpha\beta}_{\beta}+\frac{1}{3}a_2\Gamma^{X}_{\alpha X}\Gamma^{\alpha\beta}_{\beta}+\frac{1}{2}a_3\Gamma^{X}_{\alpha X}\Gamma^{\alpha\beta}_{\beta}-2a_6\Gamma^{X}_{\alpha X}\Gamma^{\alpha\beta}_{\beta}+\frac{1}{3}a_9\Gamma^{X}_{\alpha X}\Gamma^{\alpha\beta}_{\beta}-\frac{1}{4}a_0\Gamma_{\alpha\beta X}\Gamma^{\alpha\beta X}-\frac{3}{2}a_1\Gamma_{\alpha\beta X}\Gamma^{\alpha\beta X}-\frac{1}{4}a_2\Gamma_{\alpha\beta X}\Gamma^{\alpha\beta X}-\frac{3}{4}a_3\Gamma_{\alpha\beta X}\Gamma^{\alpha\beta X}+2a_6\Gamma_{\alpha\beta X}\Gamma^{\alpha\beta X}+a_7\Gamma_{\alpha\beta X}\Gamma^{\alpha\beta X}-\frac{1}{2}a_9\Gamma_{\alpha\beta X}\Gamma^{\alpha\beta X}-\frac{1}{4}a_0\Gamma_{\alpha X\beta}\Gamma^{\alpha\beta X}-\frac{1}{2}a_1\Gamma_{\alpha X\beta}\Gamma^{\alpha\beta X}-\frac{3}{4}a_2\Gamma_{\alpha X\beta}\Gamma^{\alpha\beta X}-\frac{3}{4}a_3\Gamma_{\alpha X\beta}\Gamma^{\alpha\beta X}+2a_6\Gamma_{\alpha X\beta}\Gamma^{\alpha\beta X}+a_7\Gamma_{\alpha X\beta}\Gamma^{\alpha\beta X}-\frac{1}{2}a_9\Gamma_{\alpha X\beta}\Gamma^{\alpha\beta X}-\frac{1}{2}a_0\Gamma^{\alpha\beta X}\Gamma_{\beta\alpha X}+\frac{1}{4}a_1\Gamma^{\alpha\beta X}\Gamma_{\beta\alpha X}-\frac{3}{8}a_2\Gamma^{\alpha\beta X}\Gamma_{\beta\alpha X}+\frac{3}{8}a_3\Gamma^{\alpha\beta X}\Gamma_{\beta\alpha X}-4a_6\Gamma^{\alpha\beta X}\Gamma_{\beta\alpha X}+\frac{5}{2}a_7\Gamma^{\alpha\beta X}\Gamma_{\beta\alpha X}-\frac{3}{8}a_0\Gamma^{\alpha\beta X}\Gamma_{\beta\alpha X}+\frac{1}{2}a_1\Gamma^{\alpha\beta X}\Gamma_{\beta\alpha X}+\frac{5}{4}a_2\Gamma^{\alpha\beta X}\Gamma_{\beta\alpha X}+\frac{3}{4}a_3\Gamma^{\alpha\beta X}\Gamma_{\beta\alpha X}-8a_6\Gamma^{\alpha\beta X}\Gamma_{\beta\alpha X}+5a_7\Gamma^{\alpha\beta X}\Gamma_{\beta\alpha X}+\frac{1}{2}a_9\Gamma^{\alpha\beta X}\Gamma_{\beta\alpha X}+\frac{1}{2}a_0\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{X}{}_{\beta X}-a_1\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{X}{}_{\beta X}-\frac{1}{2}a_2\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{X}{}_{\beta X}-\frac{1}{2}a_3\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{X}{}_{\beta X}+4a_6\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{X}{}_{\beta X}-2a_7\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{X}{}_{\beta X}-\frac{1}{2}a_9\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{X}{}_{\beta X}+\frac{1}{2}a_0\Gamma^{\alpha\beta}{}_{\alpha}\Gamma^{X}{}_{\beta X}-\frac{1}{3}a_1\Gamma^{\alpha\beta}{}_{\alpha}\Gamma^{X}{}_{\beta X}-\frac{1}{6}a_2\Gamma^{\alpha\beta}{}_{\alpha}\Gamma^{X}{}_{\beta X}+\frac{1}{3}a_3\Gamma^{\alpha\beta}{}_{\alpha}\Gamma^{X}{}_{\beta X}+4a_6\Gamma^{\alpha\beta}{}_{\alpha}\Gamma^{X}{}_{\beta X}-2a_7\Gamma^{\alpha\beta}{}_{\alpha}\Gamma^{X}{}_{\beta X}-\frac{1}{6}a_9\Gamma^{\alpha\beta}{}_{\alpha}\Gamma^{X}{}_{\beta X}-\frac{1}{2}a_0\Gamma^{\alpha\beta X}\Gamma_{X\beta\alpha}+\frac{5}{4}a_1\Gamma^{\alpha\beta X}\Gamma_{X\beta\alpha}+\frac{1}{8}a_2\Gamma^{\alpha\beta X}\Gamma_{X\beta\alpha}+\frac{3}{8}a_3\Gamma^{\alpha\beta X}\Gamma_{X\beta\alpha}-4a_6\Gamma^{\alpha\beta X}\Gamma_{X\beta\alpha}+\frac{5}{2}a_7\Gamma^{\alpha\beta X}\Gamma_{X\beta\alpha}+\frac{1}{2}a_9\Gamma^{\alpha\beta X}\Gamma_{X\beta\alpha}+\frac{1}{2}a_0\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{X}{}_{\beta X}+\frac{1}{3}a_1\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{X}{}_{\beta X}+\frac{1}{6}a_2\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{X}{}_{\beta X}+\frac{1}{2}a_3\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{X}{}_{\beta X}-a_7\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{X}{}_{\beta X}+\frac{1}{6}a_9\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{X}{}_{\beta X}-\frac{1}{2}a_7\Gamma^{\alpha\beta}{}_{\alpha}\Gamma^{X}{}_{\beta X}+\frac{1}{3}a_1\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{X}{}_{\beta X}+\frac{1}{6}a_2\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{X}{}_{\beta X}-\frac{1}{2}a_7\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{X}{}_{\beta X}+\frac{1}{6}a_9\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\Gamma^{X}{}_{\beta X}-\frac{1}{2}a_0\Gamma^{\alpha\beta X}\partial_{\beta}h_{\alpha X}-\frac{1}{4}a_0\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\partial_{\beta}h^{X}{}_{X}+\frac{1}{4}a_0\Gamma^{\alpha\beta}{}_{\alpha}\partial_{\beta}h^{X}{}_{X}-\frac{1}{4}a_0h^{X}{}_{X}\partial_{\beta}\Gamma^{\alpha}{}_{\alpha}{}^{\beta}+\frac{1}{4}a_0h^{X}{}_{X}\partial_{\beta}\Gamma^{\alpha\beta}{}_{\alpha}-\frac{1}{2}a_0h_{\alpha X}\partial_{\beta}\Gamma^{\alpha\beta X}+\frac{1}{4}a_0h^{\alpha\beta}\partial_{\beta}\partial_{\alpha}h^{X}{}_{X}-\frac{1}{8}a_0\partial_{\beta}h^{X}{}_{X}\partial^{\beta}h^{\alpha}{}_{\alpha}+\frac{1}{4}a_0\Gamma^{\alpha}{}_{\alpha}{}^{\beta}\partial_{x}h_{\beta}{}^{X}+\frac{1}{4}a_0\partial^{\beta}h^{\alpha}{}_{\alpha}\partial_{x}h_{\beta}{}^{X}-\frac{1}{2}a_0h^{\alpha\beta}\partial_{x}\partial_{\beta}h_{\alpha}{}^{X}+\frac{1}{4}a_0h^{\alpha}{}_{\alpha}\partial_{x}\partial_{\beta}h^{\beta X}+\frac{1}{4}a_0h^{\alpha\beta}\partial_{x}\partial^{X}h_{\alpha\beta}-\frac{1}{4}a_0h^{\alpha}{}_{\alpha}\partial_{x}\partial^{X}h^{\beta}{}_{\beta}-\frac{1}{4}a_0\partial_{\beta}h_{\alpha X}\partial^{X}h^{\alpha\beta}+\frac{1}{8}a_0\partial_{x}h_{\alpha\beta}\partial^{X}h^{\alpha\beta}+\frac{1}{2}a_0h_{\beta X}\partial^{X}\Gamma^{\alpha}{}_{\alpha}{}^{\beta}+2c_1\partial_{\sigma}\Gamma_{\beta X\mu}\partial^{\mu}\Gamma^{\alpha\beta X}-2c_1\partial_{\sigma}\Gamma_{\beta X\mu}\partial^{\sigma}\Gamma^{\alpha\beta X}-2c_1\partial_{\sigma}\Gamma_{X\mu\beta}\partial^{\mu}\Gamma^{\alpha\beta X}+2c_1\partial_{\sigma}\Gamma_{X\mu\beta}\partial^{\sigma}\Gamma^{\alpha\beta X}+c_1\partial_{\sigma}\Gamma_{\mu\beta X}\partial^{\mu}\Gamma^{\alpha\beta X}-c_1\partial_{\sigma}\Gamma_{\mu X\beta}\partial^{\mu}\Gamma^{\alpha\beta X}-2c_1\partial_{\beta}\Gamma_{\alpha X\mu}\partial^{\mu}\Gamma^{\alpha\beta X}+c_1\partial_{\beta}\Gamma_{\alpha\mu X}\partial^{\mu}\Gamma^{\alpha\beta X}-c_1\partial_{\beta}\Gamma_{X\mu\alpha}\partial^{\mu}\Gamma^{\alpha\beta X}+c_1\partial_{X}\Gamma_{\alpha\beta\mu}\partial^{\mu}\Gamma^{\alpha\beta X}-c_1\partial_{X}\Gamma_{\beta\mu\alpha}\partial^{\mu}\Gamma^{\alpha\beta X}+2c_1\partial_{X}\Gamma_{\beta\mu\alpha}\partial^{\mu}\Gamma^{\alpha\beta X}-c_1\partial_{\mu}\Gamma_{\alpha\beta X}\partial^{\mu}\Gamma^{\alpha\beta X}-c_1\partial_{\mu}\Gamma_{\alpha\beta X}\partial^{\mu}\Gamma^{\alpha\beta X}+c_1\partial_{\mu}\Gamma_{\alpha X\beta}\partial^{\mu}\Gamma^{\alpha\beta X}+c_1\partial_{\mu}\Gamma_{\beta\alpha X}\partial^{\mu}\Gamma^{\alpha\beta X}-2c_1\partial_{\mu}\Gamma_{\beta X\alpha}\partial^{\mu}\Gamma^{\alpha\beta X}+c_1\partial_{\mu}\Gamma_{X\beta\alpha}\partial^{\mu}\Gamma^{\alpha\beta X}+c_1\partial_{X}\partial_{\beta}h_{\alpha\mu}\partial^{\mu}\partial^{X}h^{\alpha\beta}-c_1\partial_{\mu}\partial_{\beta}h_{\alpha X}\partial^{\mu}\partial^{X}h^{\alpha\beta}$$

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

	$\Delta^{\#1}_{2^+\alpha\beta}$	$\Delta^{\#2}_{2^+\alpha\beta}$	$\Delta^{\#3}_{2^+\alpha\beta}$	$\mathcal{T}^{\#1}_{2^+\alpha\beta}$	$\Delta^{\#1}_{2^-\alpha\beta X}$	$\Delta^{\#2}_{2^-\alpha\beta X}$
$\Delta^{\#1}_{2^+}\uparrow^{\alpha\beta}$	$\frac{4(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)}{a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)}$	0	$\frac{4(2a_1+a_2+a_9)}{\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	0	0	0
$\Delta^{\#2}_{2^+}\uparrow^{\alpha\beta}$	0	$\frac{1}{-3(a_0+4a_6)+12a_7}$	0	0	0	0
$\Delta^{\#3}_{2^+}\uparrow^{\alpha\beta}$	$\frac{4(2a_1+a_2+a_9)}{\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	0	$\frac{4(a_0-2a_1-a_2)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	0	0	0
$\mathcal{T}^{\#1}_{2^+}\uparrow^{\alpha\beta}$	0	0	0	$-\frac{8}{a_0 k^2}$	0	0
$\Delta^{\#1}_{2^-}\uparrow^{\alpha\beta X}$	0	0	0	0	$\frac{4(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)}{a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)}$	$\frac{4(2a_1+a_2+a_9)}{\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$
$\Delta^{\#2}_{2^-}\uparrow^{\alpha\beta X}$	0	0	0	0	$\frac{4(2a_1+a_2+a_9)}{\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	$\frac{4(a_0-2a_1-a_2)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$

	$\Gamma^{\#1}_{2^+\alpha\beta}$	$\Gamma^{\#2}_{2^+\alpha\beta}$	$\Gamma^{\#3}_{2^+\alpha\beta}$	$h^{\#1}_{2^+\alpha\beta}$	$\Gamma^{\#1}_{2^-\alpha\beta X}$	$\Gamma^{\#2}_{2^-\alpha\beta X}$
$\Gamma^{\#1}_{2^+}\uparrow^{\alpha\beta}$	$\frac{1}{4}(a_0-2a_1-a_2)$	0	$-\frac{1}{4}\sqrt{3}(2a_1+a_2+a_9)$	0	0	0
$\Gamma^{\#2}_{2^+}\uparrow^{\alpha\beta}$	0	$-3(a_0+4a_6-4a_7)$	0	0	0	0
$\Gamma^{\#3}_{2^+}\uparrow^{\alpha\beta}$	$-\frac{1}{4}\sqrt{3}(2a_1+a_2+a_9)$	0	$\frac{3}{4}(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)$	0	0	0
$h^{\#1}_{2^+}\uparrow^{\alpha\beta}$	0	0	0	$-\frac{a_0 k^2}{8}$	0	0
$\Gamma^{\#1}_{2^-}\uparrow^{\alpha\beta X}$	0	0	0	0	$\frac{1}{4}(a_0-2a_1-a_2)$	$-\frac{1}{4}\sqrt{3}(2a_1+a_2+a_9)$
$\Gamma^{\#2}_{2^-}\uparrow^{\alpha\beta X}$	0	0	0	0	$-\frac{1}{4}\sqrt{3}(2a_1+a_2+a_9)$	$\frac{3}{4}(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)$

Source constraints

SO(3) irreps	#	Total #: 12
$\mathcal{T}^{\#1}_{0^+}==0$	1	3
$\mathcal{T}^{\#2}_{0^+}==0$	1	3
$\Delta^{\#4}_{0^+}==0$	1	3
$\Delta^{\#3}_{0^+}+3\Delta^{\#2}_{0^+}==0$	1	3
$\mathcal{T}^{\#1}_{0^-}==0$	3	3
$\Delta^{\#1\,0}_{2^+}+\Delta^{\#1\,9}_{2^+}==0$	3	3
$\Delta^{\#2\,0}_{2^+}+\Delta^{\#2\,9}_{2^+}==0$	3	3

$\Gamma^{\#1}_{3^-\alpha\beta X}$

$\Gamma^{\#1}_{3^-}\uparrow^{\alpha\beta X}$ $\boxed{-3(a_0+4a_6-4a_7)}$

$\Delta^{\#1}_{3^-\alpha\beta X}$

$\Delta^{\#1}_{3^-}\uparrow^{\alpha\beta X}$ $\boxed{\frac{1}{-3(a_0+4a_6)+12a_7}}$