

	$\Delta_{1^+ a \beta}^{\#1}$	$\Delta_{1^+ a \beta}^{\#2}$	$\Delta_{1^+ a \beta}^{\#3}$	$\Delta_{1^+ a}^{\#1}$	$\Delta_{1^+ a}^{\#2}$	$\Delta_{1^+ a}^{\#3}$	$\Delta_{1^+ a}^{\#4}$	$\Delta_{1^+ a}^{\#5}$	$\Delta_{1^+ a}^{\#6}$	$\mathcal{T}_{1^+ a}^{\#1}$
$\Delta_{1^+ 1^+ a \beta}^{\#1}$	$\frac{4}{3}(-\frac{1}{a_0+4a_1-4a_2}+(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)/$ $(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	$\frac{2}{3}\sqrt{2}(-\frac{1}{a_0+4a_1-4a_2}+(-2a_0+8a_1+4a_2+6a_3-32a_6+8a_7+4a_9)/$ $(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	$\frac{4(2a_1+a_2+a_9)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	0	0	0	0	0	0	0
$\Delta_{1^+ 2^+ a \beta}^{\#1}$	$\frac{2}{3}\sqrt{2}(-\frac{1}{a_0+4a_1-4a_2}+(-2a_0+8a_1+4a_2+6a_3-32a_6+8a_7+4a_9)/$ $(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	$\frac{2}{3(a_0+4a_1-4a_2)}+(8(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9))/$ $(3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	$-\frac{((4\sqrt{2}(2a_1+a_2+a_9))}{(3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))}$	0	0	0	0	0	0	0
$\Delta_{1^+ 3^+ a \beta}^{\#1}$	$\frac{4(2a_1+a_2+a_9)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	$-\frac{((4\sqrt{2}(2a_1+a_2+a_9))}{(3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))}$	$\frac{4(a_0-2a_1-a_2)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	0	0	0	0	0	0	0
$\Delta_{1^+ 1^+ a}^{\#1}$	0	0	0	$\frac{4}{3}(-\frac{2}{2a_0+2a_1+a_2+3a_3}+(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)/$ $(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	$(4\sqrt{2}(3a_0^2-4a_1^2-a_2^2-3a_3(3a_3+4(-4a_6+a_7))-$ $6a_3a_9-a_9^2-2a_2(3a_3+a_9)-4a_1(a_2+3a_3+a_9)-$ $6a_0(2a_1+a_2+a_3-8a_6+2a_7+a_9)))/$ $(3(2a_0^2+2a_1+a_2+3a_3-$ $(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	0	0	$\frac{4\sqrt{\frac{2}{3}}(2a_1+a_2+a_9)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	$\frac{-((4(2a_1+a_2+a_9))}{(3\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))))}$	0
$\Delta_{1^+ 2^+ a}^{\#1}$	0	0	0	$(4\sqrt{2}(3a_0^2-4a_1^2-a_2^2-3a_3(3a_3+4(-4a_6+a_7))-$ $6a_3a_9-a_9^2-2a_2(3a_3+a_9)-4a_1(a_2+3a_3+a_9)-$ $6a_0(2a_1+a_2+a_3-8a_6+2a_7+a_9)))/$ $(3(2a_0^2+2a_1+a_2+3a_3-$ $(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	$-\frac{4}{3(2a_0+2a_1+a_2+3a_3)}+(8(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9))/$ $(3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	0	0	$\frac{(8(2a_1+a_2+a_9))}{(3\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))))}$	$\frac{-((4\sqrt{\frac{2}{3}}(2a_1+a_2+a_9))}{(3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))))}$	0
$\Delta_{1^+ 3^+ a}^{\#1}$	0	0	0	0	0	0	0	0	0	0
$\Delta_{1^+ 1^+ a}^{\#4}$	0	0	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
$\Delta_{1^+ 1^+ a}^{\#5}$	0	0	0	0	0	0	0	$\frac{\sqrt{5}}{18(a_0+4a_6-4a_7)}$	$\frac{1}{18(a_0+4a_6-4a_7)}$	0
$\Delta_{1^+ 1^+ a}^{\#6}$	0	0	0	0	0	0	$\frac{4\sqrt{\frac{2}{3}}(2a_1+a_2+a_9)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	0	0	0
$\Delta_{1^+ 1^+ a}^{\#7}$	0	0	0	0	0	0	$\frac{(8(2a_1+a_2+a_9))}{(3\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))))}$	0	0	0
$\mathcal{T}_{1^+ 1^+ a}^{\#1}$	0	0	0	0	0	0	0	0	0	0

	$\Gamma_{1^+ a \beta}^{\#1}$	$\Gamma_{1^+ a \beta}^{\#2}$	$\Gamma_{1^+ a \beta}^{\#3}$	$\Gamma_{1^+ a}^{\#1}$	$\Gamma_{1^+ a}^{\#2}$	$\Gamma_{1^+ a}^{\#3}$	$\Gamma_{1^+ a}^{\#4}$	$\Gamma_{1^+ a}^{\#5}$	$\Gamma_{1^+ a}^{\#6}$	$h_{1^+ a}^{\#1}$
$\Gamma_{1^+ 1^+ a \beta}^{\#1}$	$\frac{1}{4}(-a_0-6a_1+5a_2)$	$\frac{-a_0+2a_1-3a_2}{2\sqrt{2}}$	$\frac{1}{4}(-2a_1-a_2-a_9)$	0	0	0	0	0	0	0
$\Gamma_{1^+ 2^+ a \beta}^{\#1}$	$\frac{-a_0+2a_1-3a_2}{2\sqrt{2}}$	$\frac{1}{4}(-2a_1+a_2)$	$\frac{2a_1+a_2+a_9}{2\sqrt{2}}$	0	0	0	0	0	0	0
$\Gamma_{1^+ 3^+ a \beta}^{\#1}$	$\frac{1}{4}(-2a_1-a_2-a_9)$	$\frac{2a_1+a_2+a_9}{2\sqrt{2}}$	$\frac{3}{4}(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)$	0	0	0	0	0	0	0
$\Gamma_{1^+ 1^+ a}^{\#3}$	0	0	0	$\frac{1}{4}(-a_0-2a_1-a_2-2a_3)$	$\frac{a_0+a_3}{2\sqrt{2}}$	0	0	$\frac{2a_1+a_2+a_9}{4\sqrt{3}}$	$\frac{2a_1+a_2+a_9}{2\sqrt{6}}$	0
$\Gamma_{1^+ 2^+ a}^{\#3}$	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
$\Gamma_{1^+ 3^+ a}^{\#3}$	0	0	0	0	0	$-\frac{5}{2}(a_0+4a_6-4a_7)$	$\frac{1}{2}\sqrt{5}(a_0+4a_6-4a_7)$	0	0	0
$\Gamma_{1^+ 1^+ a}^{\#4}$	0	0	0	0	0	$\frac{1}{2}\sqrt{5}(a_0+4a_6-4a_7)$	0	0	0	0
$\Gamma_{1^+ 1^+ a}^{\#5}$	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
$\Gamma_{1^+ 1^+ a}^{\#6}$	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
$h_{1^+ 1^+ a}^{\#1}$	0	0	0	0	0	0	0	0	0	0

Lagrangian density
$\frac{2}{3}a_1\Gamma_{\alpha}^{\chi}\Gamma_{\chi}^{\alpha\beta\beta}+\frac{1}{3}a_2\Gamma_{\alpha}^{\chi}\Gamma_{\chi}^{\alpha\beta\beta}+\frac{1}{2}a_3\Gamma_{\alpha}^{\chi}\Gamma_{\chi}^{\alpha\beta\beta}-2a_6\Gamma_{\alpha}^{\chi}\Gamma_{\beta}^{\alpha\beta}+$ $\frac{1}{3}a_9\Gamma_{\alpha}^{\chi}\Gamma_{\beta}^{\alpha\beta}-\frac{1}{6}a_0\Gamma_{\alpha\beta\chi}\Gamma^{\alpha\beta\chi}-\frac{3}{2}a_1\Gamma_{\alpha\beta\chi}\Gamma^{\alpha\beta\chi}-\frac{1}{2}a_2\Gamma_{\alpha\beta\chi}\Gamma^{\alpha\beta\chi}-$ $\frac{3}{4}a_3\Gamma_{\alpha\beta\chi}\Gamma^{\alpha\beta\chi}+2a_6\Gamma_{\alpha\beta\chi}\Gamma^{\alpha\beta\chi}+a_7\Gamma_{\alpha\beta\chi}\Gamma^{\alpha\beta\chi}-\frac{1}{2}a_9\Gamma_{\alpha\beta\chi}\Gamma^{\alpha\beta\chi}-$ $\frac{1}{4}a_0\Gamma_{\alpha\chi\beta}\Gamma^{\alpha\beta\chi}-\frac{1}{2}a_1\Gamma_{\alpha\chi\beta}\Gamma^{\alpha\beta\chi}-\frac{3}{4}a_2\Gamma_{\alpha\chi\beta}\Gamma^{\alpha\beta\chi}-\frac{3}{2}a_3\Gamma_{\alpha\chi\beta}\Gamma^{\alpha\beta\chi}+$ $2a_6\Gamma_{\alpha\chi\beta}\Gamma^{\alpha\beta\chi}+a_7\Gamma_{\alpha\chi\beta}\Gamma^{\alpha\beta\chi}-\frac{1}{2}a_9\Gamma_{\alpha\chi\beta}\Gamma^{\alpha\beta\chi}-\frac{1}{2}a_0\Gamma^{\alpha\beta\chi}\Gamma_{\beta\alpha\chi}+$ $\frac{1}{4}a_1\Gamma^{\alpha\beta\chi}\Gamma_{\beta\alpha\chi}-\frac{3}{8}a_2\Gamma^{\alpha\beta\chi}\Gamma_{\beta\alpha\chi}+\frac{3}{2}a_3\Gamma^{\alpha\beta\chi}\Gamma_{\beta\alpha\chi}-4a_6\Gamma^{\alpha\beta\chi}\Gamma_{\beta\alpha\chi}+$ $\frac{5}{2}a_7\Gamma^{\alpha\beta\chi}\Gamma_{\beta\alpha\chi}-\frac{3}{2}a_0\Gamma^{\alpha\beta\chi}\Gamma_{\beta\alpha\chi}+\frac{1}{2}a_1\Gamma^{\alpha\beta\chi}\Gamma_{\beta\alpha\chi}+\frac{5}{4}a_2\Gamma^{\alpha\beta\chi}\Gamma_{\beta\alpha\chi}+$ $\frac{3}{2}a_3\Gamma^{\alpha\beta\chi}\Gamma_{\beta\alpha\chi}-8a_6\Gamma^{\alpha\beta\chi}\Gamma_{\beta\alpha\chi}+5a_7\Gamma^{\alpha\beta\chi}\Gamma_{\beta\alpha\chi}+\frac{1}{2}a_9\Gamma^{\alpha\beta\chi}\Gamma_{\beta\alpha\chi}+$ $\frac{1}{2}a_0\Gamma^{\alpha\beta}\Gamma_{\beta}^{\chi}\Gamma_{\chi}^{\alpha}-2a_7\Gamma^{\alpha\beta}\Gamma_{\beta}^{\chi}\Gamma_{\chi}^{\alpha}-\frac{1}{2}a_9\Gamma^{\alpha\beta}\Gamma_{\beta}^{\chi}\Gamma_{\chi}^{\alpha}+\frac{1}{2}a_0\Gamma^{\alpha\beta}\Gamma_{\beta}^{\chi}\Gamma_{\chi}^{\alpha}-$ $4a_6\Gamma^{\alpha\beta}\Gamma_{\beta}^{\chi}\Gamma_{\chi}^{\alpha}-\frac{1}{6}a_2\Gamma^{\alpha\beta}\Gamma_{\beta}^{\chi}\Gamma_{\chi}^{\alpha}-\frac{1}{2}a_3\Gamma^{\alpha\beta}\Gamma_{\beta}^{\chi}\Gamma_{\chi}^{\alpha}+4a_6\Gamma^{\alpha\beta}\Gamma_{\beta}^{\chi}\Gamma_{\chi}^{\alpha}-$ $\frac{1}{3}a_1\Gamma^{\alpha\beta}\Gamma_{\alpha}^{\chi}\Gamma_{\beta}^{\chi}-\frac{1}{6}a_2\Gamma^{\alpha\beta}\Gamma_{\alpha}^{\chi}\Gamma_{\beta}^{\chi}-\frac{1}{2}a_3\Gamma^{\alpha\beta}\Gamma_{\alpha}^{\chi}\Gamma_{\beta}^{\chi}+4a_6\Gamma^{\alpha\beta}\Gamma_{\alpha}^{\chi}\Gamma_{\beta}^{\chi}-$ $2a_7\Gamma^{\alpha\beta}\Gamma_{\alpha}^{\chi}\Gamma_{\beta}^{\chi}-\frac{1}{6}a_9\Gamma^{\alpha\beta}\Gamma_{\alpha}^{\chi}\Gamma_{\beta}^{\chi}-\frac{1}{2}a_0\Gamma^{\alpha\beta\chi}\Gamma_{\chi\beta\alpha}+\frac{5}{4}a_1\Gamma^{\alpha\beta\chi}\Gamma_{\chi\beta\alpha}+$ $\frac{1}{8}a_2\Gamma^{\alpha\beta\chi}\Gamma_{\chi\beta\alpha}+\frac{3}{8}a_3\Gamma^{\alpha\beta\chi}\Gamma_{\chi\beta\alpha}-4a_6\Gamma^{\alpha\beta\chi}\Gamma_{\chi\beta\alpha}+\frac{5}{2}a_7\Gamma^{\alpha\beta\chi}\Gamma_{\chi\beta\alpha}+$ $\frac{1}{2}a_9\Gamma^{\alpha\beta\chi}\Gamma_{\chi\beta\alpha}+\frac{1}{2}a_0\Gamma^{\alpha\beta}\Gamma_{\beta}^{\chi}\Gamma_{\chi}^{\alpha}+\frac{1}{3}a_1\Gamma^{\alpha\beta}\Gamma_{\beta}^{\chi}\Gamma_{\chi}^{\alpha}+\frac{5}{6}a_2\Gamma^{\alpha\beta}\Gamma_{\beta}^{\chi}\Gamma_{\chi}^{\alpha}+$ $\frac{1}{2}a_3\Gamma^{\alpha\beta}\Gamma_{\beta}^{\chi}\Gamma_{\chi}^{\alpha}-a_7\Gamma^{\alpha\beta}\Gamma_{\beta}^{\chi}\Gamma_{\chi}^{\alpha}+\frac{1}{6}a_9\Gamma^{\alpha\beta}\Gamma_{\beta}^{\chi}\Gamma_{\chi}^{\alpha}-\frac{1}{2}a_7\Gamma^{\alpha\beta}\Gamma_{\alpha}^{\chi}\Gamma_{\beta}^{\chi}+$ $\frac{1}{3}a_1\Gamma^{\alpha\beta}\Gamma_{\alpha}^{\chi}\Gamma_{\beta}^{\chi}+\frac{1}{6}a_2\Gamma^{\alpha\beta}\Gamma_{\alpha}^{\chi}\Gamma_{\beta}^{\chi}-\frac{1}{2}a_7\Gamma^{\alpha\beta}\Gamma_{\alpha}^{\chi}\Gamma_{\beta}^{\chi}+\frac{1}{2}a_9\Gamma^{\alpha\beta}\Gamma_{\alpha}^{\chi}\Gamma_{\beta}^{\chi}-$ $\frac{1}{2}a_0\Gamma^{\alpha\beta\chi}\partial_{\beta\mu}\Gamma_{\alpha}^{\chi}-\frac{1}{4}a_0\Gamma^{\alpha\beta}\partial_{\beta\mu}\Gamma_{\alpha}^{\chi}+\frac{1}{4}a_0\Gamma^{\alpha\beta}\partial_{\alpha}\Gamma_{\chi}^{\mu}-\frac{1}{4}a_0h_{\chi}^{\mu}\partial_{\beta}\Gamma_{\alpha}^{\mu}+$ $\frac{1}{4}a_0h_{\chi}^{\mu}\partial_{\beta}\Gamma_{\alpha}^{\mu}-\frac{1}{2}a_0h_{\alpha\chi}\partial_{\beta}\Gamma^{\alpha\mu}+\frac{1}{4}a_0h^{\alpha\beta}\partial_{\beta}\partial_{\mu}\Gamma_{\chi}^{\mu}-\frac{1}{8}a_0\partial_{\beta}\Gamma_{\chi}^{\mu}\partial^{\beta}\Gamma_{\alpha}^{\mu}+$ $\frac{1}{2}a_0\Gamma^{\alpha\beta}\partial_{\beta}\Gamma_{\mu}^{\chi}+\frac{1}{2}a_0\partial^{\beta}\Gamma_{\alpha}^{\mu}\partial_{\beta}\Gamma_{\mu}^{\chi}-\frac{1}{4}a_0h^{\alpha\beta}\partial_{\chi}\partial_{\beta}\Gamma_{\mu}^{\mu}+\frac{1}{4}a_0h_{\alpha}^{\mu}\partial_{\beta}\partial_{\mu}\Gamma^{\alpha\beta}+$ $\frac{1}{4}a_0h^{\alpha\beta}\partial_{\chi}\partial^{\mu}\Gamma_{\beta}^{\mu}-\frac{1}{4}a_0h_{\alpha}^{\mu}\partial_{\chi}\partial^{\mu}\Gamma_{\beta}^{\mu}-\frac{1}{4}a_0\partial_{\mu}\partial_{\beta}\Gamma_{\alpha\chi}^{\mu}\partial^{\mu}\Gamma^{\alpha\beta}+$ $\frac{1}{8}a_0\partial_{\chi}\partial_{\mu}\partial^{\mu}\Gamma^{\alpha\beta}+\frac{1}{2}a_0h_{\beta\chi}\partial^{\mu}\Gamma_{\alpha}^{\mu}+\frac{1}{2}c_1\partial_{\alpha}\Gamma_{\beta\mu\mu}\partial^{\mu}\Gamma^{\alpha\beta\chi}-$ $2c_1\partial_{\alpha}\Gamma_{\beta\mu\chi}\partial^{\mu}\Gamma^{\alpha\beta\chi}-2c_1\partial_{\alpha}\Gamma_{\mu\chi\beta}\partial^{\mu}\Gamma^{\alpha\beta\chi}+2c_1\partial_{\alpha}\Gamma_{\chi\mu\beta}\partial^{\mu}\Gamma^{\alpha\beta\chi}+$ $c_1\partial_{\alpha}\Gamma_{\mu\beta\chi}\partial^{\mu}\Gamma^{\alpha\beta\chi}-c_1\partial_{\alpha}\Gamma_{\mu\chi\beta}\partial^{\mu}\Gamma^{\alpha\beta\chi}-2c_1\partial_{\beta}\Gamma_{\alpha\chi\mu}\partial^{\mu}\Gamma^{\alpha\beta\chi}+$ $c_1\partial_{\beta}\Gamma_{\alpha\mu\chi}\partial^{\mu}\Gamma^{\alpha\beta\chi}-c_1\partial_{\beta}\Gamma_{\chi\mu\alpha}\partial^{\mu}\Gamma^{\alpha\beta\chi}+c_1\partial_{\beta}\Gamma_{\alpha\beta\mu}\partial^{\mu}\Gamma^{\alpha\beta\chi}-$ $c_1\partial_{\chi}\Gamma_{\beta\alpha\mu}\partial^{\mu}\Gamma^{\alpha\beta\chi}+2c_1\partial_{\chi}\Gamma_{\beta\mu\alpha}\partial^{\mu}\Gamma^{\alpha\beta\chi}-c_1\partial_{\mu}\Gamma_{\alpha\beta\chi}\partial^{\mu}\Gamma^{\alpha\beta\chi}+$ $c_1\partial_{\mu}\Gamma_{\alpha\chi\beta}\partial^{\mu}\Gamma^{\alpha\beta\chi}+c_1\partial_{\mu}\Gamma_{\beta\alpha\chi}\partial^{\mu}\Gamma^{\alpha\beta\chi}-2c_1\partial_{\mu}\Gamma_{\beta\chi\alpha}\partial^{\mu}\Gamma^{\alpha\beta\chi}+$ $c_1\partial_{\mu}\Gamma_{\chi\beta\alpha}\partial^{\mu}\Gamma^{\alpha\beta\chi}+c_1\partial_{\chi}\partial_{\beta}\Gamma_{\alpha\mu}\partial^{\mu}\Gamma^{\alpha\beta}h^{\alpha\beta}-c_1\partial_{\mu}\partial_{\beta}\Gamma_{\alpha\chi}\partial^{\mu}\Gamma^{\alpha\beta}h^{\alpha\beta}$
Added source term: $h^{\alpha\beta}\mathcal{T}_{\alpha\beta}+\Gamma^{\alpha\beta\chi}\Delta_{\alpha\beta\chi}$

	$\Delta_{0^+}^{\#1}$	$\Delta_{0^+}^{\#2}$	$\Delta_{0^+}^{\#3}$	$\Delta_{0^+}^{\#4}$	$\mathcal{T}_{0^+}^{\#1}$	$\mathcal{T}_{0^+}^{\#2}$	$\Delta_{0^+}^{\#1}$
$\Delta_{0^+ 1^+}^{\#1}$	$\frac{4}{2a_0+2a_1+2a_2+3a_3}$	0	0	0	0	0	0
$\Delta_{0^+ 2^+}^{\#1}$	0	$\frac{1}{-6(a_0+4a_6)+24a_7}$	$\frac{1}{6(a_0+4a_6+4a_7)}$	0	0	0	0
$\Delta_{0^+ 3^+}^{\#1}$	0	$\frac{1}{6a_0+24a_6+24a_7}$	$\frac{1}{-6(a_0+4a_6)+24a_7}$	0	0	0	0
$\Delta_{0^+ 4^+}^{\#1}$	0	0	0	0	0	0	0
$\mathcal{T}_{0^+ 1^+}^{\#1}$	0	0	0	0	$\frac{4}{a_0k^2}$	0	0
$\mathcal{T}_{0^+ 2^+}^{\#1}$	0	0	0	0	0	0	0
$\Delta_{0^+ 1^+}^{\#1}$	0	0	0	0	0	0	$-\frac{2}{a_0+4(a_1-a_2+3c_1k^2)}$

	Massive particle
Pole residue:	$\frac{1}{6c_1} > 0$
Polarisations:	1
Square mass:	$\frac{-2a_0+4a_1+4a_2}{12c_1} > 0$
Spin:	0
Parity:	[Odd]

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

Unitarity conditions
$a_0 < 0$ && $a_2 > \frac{1}{4}(a_0+4a_1)$ && $c_1 > 0$

	$\Gamma_{2^+ a \beta}^{\#1}$	$\Gamma_{2^+ a \beta}^{\#2}$	$\Gamma_{2^+ a \beta}^{\#3}$	$h_{2^+ a \beta}^{\#1}$	$\Gamma_{2^+ a \beta \chi}^{\#1}$	$\Gamma_{2^+ a \beta \chi}^{\#2}$
$\Gamma_{2^+ 1^+ a \beta}^{\#1}$	$\frac{1}{2}(a_0-2a_1-a_2)$	0	$-\frac{1}{4}\sqrt{3}(2a_1+a_2+a_9)$	0	0	0
$\Gamma_{2^+ 2^+ a \beta}^{\#1}$	0	$-3(a_0+4a_6-4a_7)$	0	0	0	0
$\Gamma_{2^+ 3^+ a \beta}^{\#1}$	$-\frac{1}{4}\sqrt{3}(2a_1+a_2+a_9)$	0	$\frac{3}{4}(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)$	0	0	0
$h_{2^+ 1^+ a \beta}^{\#1}$	0	0	0	$-\frac{a_0k^2}{8}$	0	0
$\Gamma_{2^+ 1^+ a \beta \chi}^{\#1}$	0	0	0	0	$\frac{1}{4}(a_0-2a_1-a_2)$	$-\frac{1}{2}\sqrt{3}(2a_1+a_2+a_9)$
$\Gamma_{2^+ 2^+ a \beta \chi}^{\#1}$	0	0	0	0	$\frac{1}{4}\sqrt{3}(2a_1+a_2+a_9)$	$\frac{3}{4}(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)$

	$\Gamma_{3^+ a \beta \chi}^{\#1}$	$\Gamma_{3^+ a \beta \chi}^{\#2}$
$\Gamma_{3^+ 1^+ a \beta \chi}^{\#1}$	$\frac{1}{3}(a_0+4a_6-4a_7)$	0
$\Delta_{3^+ 1^+ a \beta \chi}^{\#1}$	$\frac{1}{3(a_0+4a_6+12a_7)}$	0

Source constraints	$\mathcal{T}_{0^+}^{\#1}$	$\mathcal{T}_{0^+}^{\#2}$	$\mathcal{T}_{0^+}^{\#3}$	$\mathcal{T}_{0^+}^{\#4}$	$\mathcal{T}_{0^+}^{\#5}$	$\mathcal{T}_{0^+}^{\#6}$
$\mathcal{T}_{0^+}^{\#1}$	0	1	1	1	1	1
$\mathcal{T}_{0^+}^{\#2}$	0	0	0	0	0	0
$\mathcal{T}_{0^+}^{\#3}$	0	0	0	0	0	0
$\mathcal{T}_{0^+}^{\#4}$	0	0	0	0	0	0
$\mathcal{T}_{0^+}^{\#5}$	0	0	0	0	0	0
$\mathcal{T}_{0^+}^{\#6}$	0	0	0	0	0	0

	$\Gamma_{0^+}^{\#1}$	$\Gamma_{0^+}^{\#2}$	$\Gamma_{0^+}^{\#3}$	$\Gamma_{0^+}^{\#4}$
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