

Lagrangian density
$-\frac{1}{2}a_0\,\Gamma^{\alpha\beta\chi}\,\Gamma_{\beta\chi\alpha}+\frac{1}{2}a_0\,\Gamma^{\alpha}_{\beta}\,\Gamma^{\beta}_{\chi\alpha}-\frac{1}{2}a_0\,\Gamma^{\alpha\beta\chi}\,\partial_{\beta}h_{\alpha\chi}-$ $\frac{1}{4}a_0\,\Gamma^{\alpha}_{\beta}\,\partial_{\beta}h^{\chi}_{\chi}+\frac{1}{4}a_0\,\Gamma^{\alpha\beta}_{\alpha}\,\partial_{\beta}h^{\chi}_{\chi}-\frac{1}{4}a_0\,h^{\chi}_{\chi}\,\partial_{\beta}\Gamma^{\alpha}_{\alpha}\,\beta+\frac{1}{4}a_0\,h^{\chi}_{\chi}\,\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}-$ $\frac{1}{2}a_0\,h_{\alpha\chi}\,\partial_{\beta}\Gamma^{\alpha\beta\chi}+\frac{11}{2}c_1\,\partial^{\alpha}\Gamma^{\chi\delta}_{\delta}\,\partial_{\beta}\Gamma^{\beta}_{\chi\alpha}\,\beta+\frac{1}{2}c_1\,\partial^{\alpha}\Gamma^{\beta}_{\chi\alpha}\,\beta\,\partial_{\beta}\Gamma^{\chi\delta}_{\alpha}-$ $19\,c_1\,\partial^{\alpha}\Gamma^{\chi\delta}_{\chi}\,\partial_{\beta}\Gamma^{\beta}_{\alpha\alpha}\,\beta+\frac{1}{4}a_0\,h^{\alpha\beta}\,\partial_{\beta}\partial_{\alpha}h^{\chi}_{\chi}-\frac{1}{8}a_0\,\partial_{\beta}h^{\chi}_{\chi}\,\partial^{\beta}h^{\alpha}_{\alpha}+$ $\frac{1}{2}a_0\,\Gamma^{\alpha}_{\beta}\,\partial_{\chi}h^{\chi}_{\beta}\,\chi+\frac{1}{4}a_0\,\partial^{\beta}h^{\alpha}_{\alpha}\,\partial_{\chi}h^{\chi}_{\beta}\,\chi+\frac{37}{4}c_1\,\partial_{\beta}\partial_{\alpha}h^{\delta}_{\delta}\,\partial_{\chi}\Gamma^{\alpha\beta\chi}+$ $\frac{3}{4}c_1\,\partial_{\beta}\Gamma^{\alpha\beta\chi}\,\partial_{\chi}\partial_{\alpha}h^{\delta}_{\delta}-\frac{1}{2}a_0\,h^{\alpha\beta}\,\partial_{\chi}\partial_{\beta}h^{\chi}_{\alpha}\,\chi+\frac{1}{4}a_0\,h^{\alpha}_{\alpha}\,\partial_{\chi}\partial_{\beta}h^{\beta\chi}+$ $\frac{1}{4}a_0\,h^{\alpha\beta}\,\partial_{\chi}\partial^{\chi}h_{\alpha\beta}-\frac{1}{4}a_0\,h^{\alpha}_{\alpha}\,\partial_{\chi}\partial^{\chi}h^{\beta}_{\beta}-\frac{1}{4}a_0\,\partial_{\beta}h_{\alpha\chi}\,\partial^{\chi}h^{\alpha\beta}+$ $\frac{1}{8}a_0\,\partial_{\chi}h_{\alpha\beta}\,\partial^{\chi}h^{\alpha\beta}+\frac{1}{2}a_0\,h_{\beta\chi}\,\partial^{\chi}\Gamma^{\alpha}_{\alpha}\,\beta-\frac{1}{2}c_1\,\partial_{\beta}\Gamma^{\delta}_{\chi\alpha}\,\partial^{\chi}\Gamma^{\alpha}_{\beta}-$ $\frac{1}{2}c_1\,\partial_{\beta}\Gamma^{\delta}_{\delta\chi}\,\partial^{\chi}\Gamma^{\alpha}_{\alpha}\,\beta+\frac{1}{2}c_1\,\partial_{\chi}\Gamma^{\delta}_{\beta\beta}\,\partial^{\chi}\Gamma^{\alpha}_{\alpha}\,\beta-\frac{1}{2}c_1\,\partial_{\chi}\Gamma^{\delta}_{\beta\delta}\,\partial^{\chi}\Gamma^{\alpha}_{\alpha}\,\beta-$ $\frac{1}{2}c_1\,\partial_{\chi}\Gamma^{\delta}_{\delta\beta}\,\partial^{\chi}\Gamma^{\alpha}_{\alpha}\,\beta-\frac{3}{4}c_1\,\partial_{\chi}\partial_{\beta}h^{\delta}_{\delta}\,\partial^{\chi}\Gamma^{\alpha}_{\alpha}\,\beta-\frac{11}{2}c_1\,\partial_{\beta}\Gamma^{\delta}_{\chi\alpha}\,\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}+$ $\frac{19}{2}c_1\,\partial_{\beta}\Gamma^{\delta}_{\chi\delta}\,\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}+\frac{11}{2}c_1\,\partial_{\chi}\Gamma^{\delta}_{\beta\beta}\,\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}-\frac{1}{2}c_1\,\partial_{\chi}\Gamma^{\delta}_{\beta\delta}\,\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}-$ $\frac{37}{4}c_1\,\partial_{\chi}\partial_{\beta}h^{\delta}_{\delta}\,\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}+c_1\,\partial_{\alpha}\Gamma^{\delta}_{\chi\alpha}\,\partial^{\delta}\Gamma^{\alpha\beta}_{\beta}-c_1\,\partial_{\chi}\Gamma^{\delta}_{\alpha\delta}\,\partial^{\chi}\Gamma^{\alpha\beta}_{\beta}-$ $\frac{9}{2}c_1\,\partial_{\chi}\partial_{\beta}h^{\delta}_{\delta}\,\partial^{\chi}\partial_{\alpha}h^{\alpha\beta}+\frac{17}{8}c_1\,\partial_{\chi}\partial_{\beta}h^{\delta}_{\delta}\,\partial^{\chi}\partial^{\beta}h^{\alpha}_{\alpha}-\frac{1}{2}c_1\,\partial_{\chi}\Gamma^{\alpha\beta\chi}\,\partial_{\delta}\Gamma^{\delta}_{\alpha\beta}\,\delta-$ $\frac{1}{2}c_1\,\partial_{\beta}\Gamma^{\alpha\beta\chi}\,\partial_{\delta}\Gamma^{\delta}_{\alpha\chi}\,\delta-\frac{1}{2}c_1\,\partial_{\beta}\Gamma^{\alpha\beta\chi}\,\partial_{\delta}\Gamma^{\delta}_{\alpha\chi}\,\delta+\frac{19}{2}c_1\,\partial_{\chi}\Gamma^{\alpha\beta\chi}\,\partial_{\delta}\Gamma^{\delta}_{\beta\alpha}\,\delta+$ $c_1\,\partial^{\chi}\Gamma^{\alpha}_{\alpha}\,\beta\,\partial_{\delta}\Gamma^{\delta}_{\beta\chi}+\frac{1}{2}c_1\,\partial^{\chi}\Gamma^{\alpha}_{\alpha}\,\beta\,\partial_{\delta}\Gamma^{\delta}_{\chi\beta}+\frac{1}{2}c_1\,\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}\,\partial_{\delta}\Gamma^{\delta}_{\chi\beta}\,\delta-$ $\frac{1}{2}c_1\,\partial_{\beta}\Gamma^{\alpha\beta\chi}\,\partial_{\delta}\Gamma^{\delta}_{\chi\alpha}+\frac{1}{2}c_1\,\partial^{\chi}\Gamma^{\beta}_{\beta\alpha}\,\partial_{\delta}\Gamma^{\delta}_{\alpha\chi}\,\delta+\frac{1}{2}c_1\,\partial^{\chi}\Gamma^{\alpha}_{\alpha}\,\beta\,\partial_{\delta}\Gamma^{\delta}_{\chi\beta}\,\delta-$ $\frac{1}{2}c_1\,\partial_{\beta}\Gamma^{\alpha}_{\alpha}\,\beta\,\partial_{\delta}\Gamma^{\chi}_{\chi}\,\delta+c_1\,\partial_{\beta}\Gamma^{\alpha}_{\alpha}\,\beta\,\partial_{\delta}\Gamma^{\chi\delta}_{\chi}-\frac{1}{2}c_1\,\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}\,\partial_{\delta}\Gamma^{\chi\delta}_{\chi}-$ $\frac{37}{4}c_1\,\partial_{\chi}\Gamma^{\alpha\beta\chi}\,\partial_{\delta}\partial_{\alpha}h^{\delta}_{\beta}\,\delta-\frac{3}{4}c_1\,\partial_{\beta}\Gamma^{\alpha\beta\chi}\,\partial_{\delta}\partial_{\alpha}h^{\delta}_{\chi}\,\delta-\frac{37}{4}c_1\,\partial_{\chi}\Gamma^{\alpha\beta\chi}\,\partial_{\delta}\partial_{\beta}h^{\delta}_{\alpha}\,\delta+$ $\frac{3}{8}c_1\,\partial_{\chi}\partial^{\chi}h^{\alpha\beta}\,\partial_{\delta}\partial_{\beta}h^{\delta}_{\alpha}\,\delta+\frac{37}{8}c_1\,\partial_{\alpha}\partial^{\chi}h^{\alpha\beta}\,\partial_{\delta}\partial_{\beta}h^{\delta}_{\chi}\,\delta+\frac{3}{4}c_1\,\partial^{\chi}\Gamma^{\alpha}_{\alpha}\,\beta\,\partial_{\delta}\partial_{\beta}h^{\delta}_{\chi}\,\delta+$ $\frac{37}{4}c_1\,\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}\,\partial_{\delta}\partial_{\beta}h^{\delta}_{\chi}\,\delta-\frac{3}{8}c_1\,\partial^{\chi}\partial_{\alpha}h^{\alpha\beta}\,\partial_{\delta}\partial_{\beta}h^{\delta}_{\chi}\,\delta+\frac{13}{4}c_1\,\partial^{\chi}\partial^{\beta}h^{\alpha}_{\alpha}\,\partial_{\delta}\partial_{\beta}h^{\delta}_{\chi}\,\delta-$ $\frac{3}{4}c_1\,\partial_{\beta}\Gamma^{\alpha\beta\chi}\,\partial_{\delta}\partial_{\chi}h^{\delta}_{\alpha}-\frac{43}{8}c_1\,\partial_{\alpha}\partial^{\chi}h^{\alpha\beta}\,\partial_{\delta}\partial_{\chi}h^{\delta}_{\beta}\,\delta+\frac{3}{4}c_1\,\partial^{\chi}\Gamma^{\alpha}_{\alpha}\,\beta\,\partial_{\delta}\partial_{\chi}h^{\delta}_{\beta}\,\delta+$ $\frac{37}{4}c_1\,\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}\,\partial_{\delta}\partial_{\chi}h^{\delta}_{\beta}\,\delta+\frac{77}{8}c_1\,\partial^{\chi}\partial_{\alpha}h^{\alpha\beta}\,\partial_{\delta}\partial_{\chi}h^{\delta}_{\beta}\,\delta-\frac{29}{4}c_1\,\partial^{\chi}\partial^{\beta}h^{\alpha}_{\alpha}\,\partial_{\delta}\partial_{\chi}h^{\delta}_{\beta}\,\delta+$ $c_1\,\partial_{\beta}\Gamma^{\alpha}_{\alpha}\,\beta\,\partial_{\delta}\partial_{\chi}h^{\chi\delta}-c_1\,\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}\,\partial_{\delta}\partial_{\chi}h^{\chi\delta}-\frac{1}{2}c_1\,\partial_{\beta}\partial_{\alpha}h^{\alpha\beta}\,\partial_{\delta}\partial_{\chi}h^{\chi\delta}+$ $c_1\,\partial_{\beta}\partial^{\beta}h^{\alpha}_{\alpha}\,\partial_{\delta}\partial_{\chi}h^{\chi\delta}+\frac{37}{4}c_1\,\partial_{\chi}\Gamma^{\alpha\beta\chi}\,\partial_{\delta}\partial^{\delta}h_{\alpha\beta}+\frac{17}{8}c_1\,\partial_{\chi}\partial^{\chi}h^{\alpha\beta}\,\partial_{\delta}\partial^{\delta}h_{\alpha\beta}+$ $\frac{3}{4}c_1\,\partial_{\beta}\Gamma^{\alpha\beta\chi}\,\partial_{\delta}\partial^{\delta}h_{\alpha\chi}+\frac{1}{4}c_1\,\partial_{\alpha}\partial^{\chi}h^{\alpha\beta}\,\partial_{\delta}\partial^{\delta}h_{\beta\chi}-\frac{3}{4}c_1\,\partial^{\chi}\Gamma^{\alpha}_{\alpha}\,\beta\,\partial_{\delta}\partial^{\delta}h_{\beta\chi}-$ $\frac{37}{4}c_1\,\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}\,\partial_{\delta}\partial^{\delta}h_{\beta\chi}-\frac{73}{8}c_1\,\partial^{\chi}\partial_{\alpha}h^{\alpha\beta}\,\partial_{\delta}\partial^{\delta}h_{\beta\chi}+\frac{17}{4}c_1\,\partial^{\chi}\partial^{\beta}h^{\alpha}_{\alpha}\,\partial_{\delta}\partial^{\delta}h_{\beta\chi}-$ $c_1\,\partial_{\beta}\Gamma^{\alpha}_{\alpha}\,\beta\,\partial_{\delta}\partial^{\delta}h^{\chi}_{\chi}+c_1\,\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}\,\partial_{\delta}\partial^{\delta}h^{\chi}_{\chi}-\frac{1}{2}c_1\,\partial_{\beta}\partial^{\beta}h^{\alpha}_{\alpha}\,\partial_{\delta}\partial^{\delta}h^{\chi}_{\chi}+$ $\frac{1}{2}c_1\,\partial_{\alpha}\Gamma^{\beta\chi\delta}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}+c_1\,\partial_{\alpha}\Gamma^{\beta\delta\chi}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}+c_1\,\partial_{\alpha}\Gamma^{\chi\beta\delta}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}+$ $\frac{1}{2}c_1\,\partial_{\alpha}\Gamma^{\chi\delta\beta}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}+c_1\,\partial_{\alpha}\Gamma^{\delta\beta\chi}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}+c_1\,\partial_{\alpha}\Gamma^{\delta\chi\beta}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}-$ $\frac{1}{2}c_1\,\partial_{\beta}\Gamma^{\alpha\chi\delta}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}-\frac{1}{2}c_1\,\partial_{\beta}\Gamma^{\alpha\delta\chi}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}-\frac{1}{2}c_1\,\partial_{\beta}\Gamma^{\chi\delta\alpha}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}-$ $\frac{3}{2}c_1\,\partial_{\beta}\partial_{\alpha}h^{\chi\delta}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}-\frac{1}{2}c_1\,\partial_{\chi}\Gamma^{\alpha\beta\delta}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}-\frac{1}{2}c_1\,\partial_{\chi}\Gamma^{\beta\alpha\delta}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}+$ $c_1\,\partial_{\chi}\Gamma^{\beta\delta\alpha}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}+\frac{3}{2}c_1\,\partial_{\chi}\partial_{\alpha}h^{\beta\delta}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}-c_1\,\partial_{\delta}\Gamma^{\alpha\beta\chi}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}-$ $c_1\,\partial_{\delta}\Gamma^{\alpha\chi\beta}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}-\frac{1}{2}c_1\,\partial_{\delta}\Gamma^{\beta\alpha\chi}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}-\frac{1}{2}c_1\,\partial_{\delta}\Gamma^{\beta\chi\alpha}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}-$ $\frac{1}{2}c_1\,\partial_{\delta}\Gamma^{\chi\beta\alpha}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}+\frac{3}{2}c_1\,\partial_{\delta}\partial_{\beta}h^{\chi\alpha}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}-\frac{3}{2}c_1\,\partial_{\delta}\partial_{\chi}h^{\alpha\beta}\,\partial^{\delta}\Gamma^{\alpha\beta\chi}-$ $\frac{11}{2}c_1\,\partial_{\beta}\Gamma^{\beta}_{\delta\alpha}\,\partial^{\delta}\Gamma^{\alpha\chi}_{\chi}-\frac{1}{2}c_1\,\partial^{\alpha}\Gamma^{\beta}_{\delta\alpha}\,\partial^{\delta}\Gamma^{\beta}_{\chi\alpha}+\frac{1}{2}c_1\,\partial_{\beta}\Gamma^{\beta}_{\delta\alpha}\,\partial^{\delta}\Gamma^{\rho\chi}_{\chi}-$ $\frac{3}{4}c_1\,\partial_{\beta}\partial_{\alpha}h^{\chi\delta}\,\partial^{\delta}\partial^{\chi}h^{\alpha\beta}+\frac{3}{2}c_1\,\partial_{\chi}\partial_{\beta}h^{\alpha\delta}\,\partial^{\delta}\partial^{\chi}h^{\alpha\beta}-\frac{3}{4}c_1\,\partial_{\chi}\partial_{\chi}h^{\alpha\beta}\,\partial^{\delta}\partial^{\chi}h^{\alpha\beta}$
Added source term: $ h^{\alpha\beta}\,\mathcal{T}_{\alpha\beta}+\Gamma^{\alpha\beta\chi}\,\Delta_{\alpha\beta\chi}$

$$\Gamma^{\#1}_{\dagger+}{}^{\alpha\beta\chi}\,\boxed{\frac{1}{2}(-a_0-7\,c_1\,k^2)}$$

$$\Delta^{\#1}_{\dagger+}{}^{\alpha\beta\chi}\,\boxed{-\frac{2}{a_0+7\,c_1\,k^2}}$$

Massive particle	
Pole residue:	$-\frac{4164}{24\,389\,c_1}>0$
Polarisations:	3
Square mass:	$\frac{a_0}{29\,c_1}>0$
Spin:	1
Parity:	Even

Massive particle	
Pole residue:	$\frac{4907}{35\,937\,c_1}>0$
Polarisations:	3
Square mass:	$\frac{a_0}{33\,c_1}>0$
Spin:	1
Parity:	Odd

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

Massive particle	
Pole residue:	$\frac{4}{5\,c_1}>0$
Polarisations:	5
Square mass:	$\frac{a_0}{5\,c_1}>0$
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)

$\mathcal{T}^{\#1}_{\dagger+}{}^{\alpha}$	$\Delta^{\#1}_{\dagger+}{}^{\alpha\beta}$	$\Delta^{\#2}_{\dagger+}{}^{\alpha\beta}$	$\Delta^{\#3}_{\dagger+}{}^{\alpha\beta}$	$\Delta^{\#1}_{\dagger+}{}^{\alpha}$	$\Delta^{\#2}_{\dagger+}{}^{\alpha}$	$\Delta^{\#3}_{\dagger+}{}^{\alpha}$	$\Delta^{\#4}_{\dagger+}{}^{\alpha}$	$\Delta^{\#5}_{\dagger+}{}^{\alpha}$	$\Delta^{\#6}_{\dagger+}{}^{\alpha}$	$\mathcal{T}^{\#1}_{\dagger+}{}^{\alpha}$
$\Delta^{\#1}_{\dagger+}{}^{\alpha\beta\delta}$	0	$-\frac{2\,\sqrt{2}}{a_0}$	0	0	0	0	0	0	0	0
$\Delta^{\#2}_{\dagger+}{}^{\alpha\beta\delta}$	$-\frac{2\,\sqrt{2}}{a_0}$	$\frac{2(\textcolor{teal}{a}_0^2-14\textcolor{teal}{a}_0\,c_1\,k^2-35\,c_1^2\,k^4)}{a_0^2(\textcolor{teal}{a}_0-29\,c_1\,k^2)}$	0	0	0	0	0	0	0	0
$\Delta^{\#3}_{\dagger+}{}^{\alpha\beta\delta}$	0	$\frac{40\,\sqrt{2}\,c_1\,k^2}{a_0^2-29\,a_0\,c_1\,k^2}$	$\frac{4}{a_0-29\,c_1\,k^2}$	0	0	0	0	0	0	0
$\Delta^{\#1}_{\dagger+}{}^{\alpha}$	0	0	0	0	$\frac{2\,\sqrt{2}}{a_0}$	0	0	0	0	0
$\Delta^{\#2}_{\dagger+}{}^{\alpha}$	0	0	0	0	$\frac{2(\textcolor{teal}{a}_0^2-30\textcolor{teal}{a}_0\,c_1\,k^2+401\,c_1^2\,k^4)}{a_0^2(\textcolor{teal}{a}_0-33\,c_1\,k^2)}$	$\frac{5\,\sqrt{\frac{10}{3}}\,c_1\,k^2}{a_0^2(\textcolor{teal}{a}_0-33\,c_1\,k^2)}$	$\frac{5\,\sqrt{\frac{10}{3}}\,c_1\,k^2}{a_0^2(\textcolor{teal}{a}_0-33\,c_1\,k^2)}$	0	0	0
$\Delta^{\#3}_{\dagger+}{}^{\alpha}$	0	0	0	0	$\frac{5\,\sqrt{\frac{10}{3}}\,c_1\,k^2}{a_0^2(\textcolor{teal}{a}_0-33\,c_1\,k^2)}$	$\frac{\sqrt{5}\,(5\textcolor{teal}{a}_0-164\,c_1\,k^2)}{12\,a_0^2(\textcolor{teal}{a}_0-33\,c_1\,k^2)}$	$\frac{\sqrt{5}\,(5\textcolor{teal}{a}_0-164\,c_1\,k^2)}{12\,a_0^2(\textcolor{teal}{a}_0-33\,c_1\,k^2)}$	0	0	0
$\Delta^{\#4}_{\dagger+}{}^{\alpha}$	0	0	0	0	$\frac{5\,\sqrt{\frac{10}{3}}\,c_1\,k^2}{a_0^2(\textcolor{teal}{a}_0-33\,c_1\,k^2)}$	$\frac{\sqrt{5}\,(5\textcolor{teal}{a}_0-164\,c_1\,k^2)}{12\,a_0^2(\textcolor{teal}{a}_0-33\,c_1\,k^2)}$	$\frac{1}{12\,a_0-396\,c_1\,k^2}$	0	0	0
$\Delta^{\#5}_{\dagger+}{}^{\alpha}$	0	0	0	0	$\frac{10\,c_1\,k^2\,(\textcolor{teal}{a}_0+118\,c_1\,k^2)}{\sqrt{3}\,a_0^2(\textcolor{teal}{a}_0-33\,c_1\,k^2)}$	$\frac{10\,c_1\,k^2\,(\textcolor{teal}{a}_0+118\,c_1\,k^2)}{\sqrt{3}\,a_0^2(\textcolor{teal}{a}_0-33\,c_1\,k^2)}$	$\frac{10\,c_1\,k^2\,(\textcolor{teal}{a}_0+118\,c_1\,k^2)}{\sqrt{3}\,a_0^2(\textcolor{teal}{a}_0-33\,c_1\,k^2)}$	0	0	0
$\Delta^{\#6}_{\dagger+}{}^{\alpha}$	0	0	0	0	$\frac{50\,\sqrt{\frac{3}{2}}\,c_1\,k^2}{a_0^2-33\,a_0\,c_1\,k^2}$	$\frac{50\,\sqrt{\frac{3}{2}}\,c_1\,k^2}{a_0^2-33\,a_0\,c_1\,k^2}$	$\frac{50\,\sqrt{\frac{3}{2}}\,c_1\,k^2}{a_0^2-33\,a_0\,c_1\,k^2}$	0	0	0
$\mathcal{T}^{\#1}_{\dagger+}{}^{\alpha}$	0	0	0	0	0	0	0	0	0	0

$\Gamma^{\#1}_{\dagger+}{}^{\alpha\beta}$	$\Gamma^{\#2}_{\dagger+}{}^{\alpha\beta}$	$\Gamma^{\#3}_{\dagger+}{}^{\alpha\beta}$	$\Gamma^{\#1}_{\dagger+}{}^{\alpha}$	$\Gamma^{\#2}_{\dagger+}{}^{\alpha}$	$\Gamma^{\#3}_{\dagger+}{}^{\alpha}$	$\Gamma^{\#4}_{\dagger+}{}^{\alpha}$	$\Gamma^{\#5}_{\dagger+}{}^{\alpha}$	$\Gamma^{\#6}_{\dagger+}{}^{\alpha}$	$h^{\#1}_{\dagger+}{}^{\alpha}$
$\Gamma^{\#1}_{\dagger+}{}^{\alpha\beta\delta}$	$\frac{1}{4}(-a_0-15\,c_1\,k^2)$	$-\frac{\textcolor{teal}{a}_0}{2\,\sqrt{2}}$	$5\,c_1\,k^2$	0	0	0	0	0	0
$\Gamma^{\#2}_{\dagger+}{}^{\alpha\beta\delta}$	$-\frac{\textcolor{teal}{a}_0}{2\,\sqrt{2}}$	0	0	0	0	0	0	0	0
$\Gamma^{\#3}_{\dagger+}{}^{\alpha\beta\delta}$	$5\,c_1\,k^2$	0	$\frac{1}{4}(a_0-29\,c_1\,k^2)$	0	0	0	0	0	0
$\Gamma^{\#1}_{\dagger+}{}^{\alpha}$	0	0	0	$\frac{1}{4}(-a_0-3\,c_1\,k^2)$	$\frac{a_0}{2\,\sqrt{2}}$	$\frac{5}{2}\sqrt{3}\,c_1\,k^2$	$-\frac{5}{2}\sqrt{\frac{3}{3}}\,c_1\,k^2$	$5\sqrt{\frac{3}{2}}\,c_1\,k^2$	$-\frac{5\,c_1\,k^2}{\sqrt{3}}$
$\Gamma^{\#2}_{\dagger+}{}^{\alpha}$	0	0	0	$\frac{\textcolor{teal}{a}_0}{2\,\sqrt{2}}$	0	0	0	0	0
$\Gamma^{\#3}_{\dagger+}{}^{\alpha}$	0	0	0	$\frac{5}{2}\sqrt{3}\,c_1\,k^2$	0	$-\frac{\textcolor{teal}{a}_0}{3}$	$\frac{1}{6}\sqrt{5}\,(a_0-8\,c_1\,k^2)$	$-\frac{\textcolor{teal}{a}_0}{6\,\sqrt{2}}$	$\frac{1}{6}(-a_0+20\,c_1\,k^2)$
$\Gamma^{\#4}_{\dagger+}{}^{\alpha}$	0	0	0	$-\frac{5}{2}\sqrt{\frac{3}{3}}\,c_1\,k^2$	0	$\frac{1}{6}\sqrt{5}\,(a_0-8\,c_1\,k^2)$	$\frac{1}{3}(a_0+7\,c_1\,k^2)$	$-\frac{1}{6}\sqrt{\frac{5}{2}}\,(a_0+16\,c_1\,k^2)$	$-\frac{1}{6}\sqrt{5}\,(a_0-5\,c_1\,k^2)$
$\Gamma^{\#5}_{\dagger+}{}^{\alpha}$	0	0	0	$5\sqrt{\frac{3}{2}}\,c_1\,k^2$	0	$-\frac{\textcolor{teal}{a}_0}{6\,\sqrt{2}}$	$-\frac{1}{6}\sqrt{\frac{5}{2}}\,(a_0+16\,c_1\,k^2)$	$\frac{a_0}{3}$	$\frac{a_0+40\,c_1\,k^2}{6\,\sqrt{2}}$
$\Gamma^{\#6}_{\dagger+}{}^{\alpha}$	0	0	0	$-\frac{5\,c_1\,k^2}{\sqrt{3}}$	0	$\frac{1}{6}(-a_0+20\,c_1\,k^2)$	$-\frac{1}{6}\sqrt{5}\,(a_0-5\,c_1\,k^2)$	$\frac{a_0+40\,c_1\,k^2}{6\,\sqrt{2}}$	$\frac{5}{12}(a_0-17\,c_1\,k^2)$
$h^{\#1}_{\dagger+}{}^{\alpha}$	0	0	0	0	0	0	0	0	0

$\Gamma^{\#1}_{\dagger+}{}^{\alpha}$	$\Gamma^{\#2}_{\dagger+}{}^{\alpha}$	$\Gamma^{\#3}_{\dagger+}{}^{\alpha}$	$\Gamma^{\#4}_{\dagger+}{}^{\alpha}$	$h^{\#1}_{\dagger+}{}^{\alpha}$	$h^{\#2}_{\dagger+}{}^{\alpha}$	$\Gamma^{\#1}_{\dagger+}{}^{\alpha}$
$\Gamma^{\#1}_{\dagger+}{}^{\frac{1}{2}(-a_0+25\,c_1\,k^2)}$	0	$10\sqrt{\frac{2}{3}}\,c_1\,k^2$	$-\frac{10\,c_1\,k^2}{\sqrt{3}}$	$-\frac{25\,c_1\,k^3}{2\,\sqrt{2}}$	0	0
$\Gamma^{\#2}_{\dagger+}{}^{\alpha}$	0	0	$\frac{a_0}{2}$	0	0	0
$\Gamma^{\#3}_{\dagger+}{}^{\alpha}$	$10\sqrt{\frac{2}{3}}\,c_1\,k^2$	$\frac{a_0}{2}$	$\frac{23\,c_1\,k^2}{3}$	$-\frac{3\textcolor{teal}{a}_0+46\,c_1\,k^2}{6\,\sqrt{2}}$	$-\frac{10\,c_1\,k^3}{\sqrt{3}}$	0
$\Gamma^{\#4}_{\dagger+}{}^{\alpha}$	$-\frac{10\,c_1\,k^2}{\sqrt{3}}$	$-\frac{a_0}{2\,\sqrt{2}}$	$-\frac{3\textcolor{teal}{a}_0+46\,c_1\,k^2}{6\,\sqrt{2}}$	$\frac{1}{6}(3\,a_0+23\,c_1\,k^2)$	$5\,i\sqrt{\frac{2}{3}}\,c_1\,k^3$	0
$h^{\#1}_{\dagger+}{}^{\alpha}$	$\frac{25\,c_1\,k^3}{2\,\sqrt{2}}$	$\frac{10\,c_1\,k^3}{\sqrt{3}}$	$-\frac{5\,i\sqrt{\frac{2}{3}}\,c_1\,k^3}{4}$	$\frac{1}{4}\,k^2(a_0+25\,c_1\,k^2)$	0	0
$h^{\#2}_{\dagger+}{}^{\alpha}$	0	0	0	0	0	0
$\Gamma^{\#1}_{\dagger+}{}^{\alpha}$	0	0	0	0	$\frac{1}{2}(-a_0+c_1\,k^2)$	0

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

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