

Lagrangian density	
$-\frac{1}{2}a_0\Gamma^{\alpha\beta\chi}\Gamma_{\beta\chi\alpha}+\frac{1}{2}a_0\Gamma^{\alpha\beta}\Gamma_{\beta\chi}^{\chi}-\frac{1}{2}a_0\Gamma^{\alpha\beta\chi}\partial_{\beta}h_{\alpha\chi}-$	
$\frac{1}{4}a_0\Gamma^{\alpha\beta}\partial_{\beta}h_{\chi}^{\chi}+\frac{1}{4}a_0\Gamma^{\alpha\beta}_{\alpha}\partial_{\beta}h_{\chi}^{\chi}-\frac{1}{4}a_0h_{\chi}^{\chi}\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}+\frac{1}{4}a_0h_{\chi}^{\chi}\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}-$	
$\frac{1}{2}a_0h_{\alpha\chi}\partial_{\beta}\Gamma^{\alpha\beta\chi}+\frac{11}{2}c_1\partial^{\alpha}\Gamma^{\chi\delta}_{\delta}\partial_{\beta}\Gamma^{\chi\delta}_{\alpha}\beta+\frac{1}{2}c_1\partial^{\alpha}\Gamma^{\chi\delta}_{\chi\alpha}\beta\partial_{\beta}\Gamma^{\chi\delta}_{\alpha}-$	
$19c_1\partial^{\alpha}\Gamma^{\chi\delta}_{\chi}\partial_{\beta}\Gamma^{\chi\delta}_{\alpha}\beta+\frac{1}{4}a_0h^{\alpha\beta}\partial_{\beta}\partial_{\alpha}h_{\chi}^{\chi}_{\chi}-\frac{1}{8}a_0\partial_{\beta}h_{\chi}^{\chi}\partial^{\beta}h_{\alpha}^{\alpha}+$	
$\frac{1}{2}a_0\Gamma^{\alpha\beta}\partial_{\chi}h_{\beta}^{\chi}+\frac{1}{4}a_0\partial^{\beta}h_{\alpha}^{\alpha}\partial_{\chi}h_{\beta}^{\chi}+\frac{37}{4}c_1\partial_{\beta}\partial_{\alpha}h^{\delta}_{\delta}\partial_{\chi}\Gamma^{\alpha\beta\chi}+$	
$\frac{3}{4}c_1\partial_{\beta}\Gamma^{\alpha\beta\chi}\partial_{\chi}\partial_{\alpha}h^{\delta}_{\delta}-\frac{1}{2}a_0h^{\alpha\beta}\partial_{\chi}\partial_{\beta}h_{\chi}^{\chi}+\frac{1}{4}a_0h_{\alpha}^{\alpha}\partial_{\chi}\partial_{\beta}h^{\beta\chi}+$	
$\frac{1}{4}a_0h^{\alpha\beta}\partial_{\chi}\partial_{\alpha}h_{\alpha\beta}-\frac{1}{4}a_0h_{\alpha}^{\alpha}\partial_{\chi}\partial^{\alpha}h_{\beta}^{\beta}-\frac{1}{4}a_0\partial_{\beta}h_{\alpha\chi}\partial^{\alpha}h_{\chi}^{\alpha\beta}+$	
$\frac{1}{8}a_0\partial_{\chi}h_{\alpha\beta}\partial^{\alpha}h^{\alpha\beta}+\frac{1}{2}a_0h_{\beta\chi}\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}-\frac{1}{2}c_1\partial_{\beta}\Gamma^{\chi\delta}_{\chi}\partial_{\delta}\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}-$	
$\frac{1}{2}c_1\partial_{\beta}\Gamma^{\delta}_{\delta\chi}\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}+\frac{1}{2}c_1\partial_{\chi}\Gamma^{\delta}_{\beta}\partial_{\delta}\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}-\frac{1}{2}c_1\partial_{\chi}\Gamma^{\delta}_{\beta\delta}\partial^{\alpha}\Gamma^{\alpha\beta}_{\alpha}-$	
$\frac{1}{2}c_1\partial_{\chi}\Gamma^{\delta}_{\delta\beta}\partial^{\alpha}\Gamma^{\alpha\beta}_{\alpha}-\frac{3}{4}c_1\partial_{\chi}\partial_{\beta}h^{\delta}_{\delta}\partial^{\alpha}\Gamma^{\alpha\beta}_{\alpha}-\frac{11}{2}c_1\partial_{\beta}\Gamma^{\chi\delta}_{\chi}\partial^{\alpha}\Gamma^{\alpha\beta}_{\alpha}+$	
$-\frac{19}{2}c_1\partial_{\beta}\Gamma^{\chi\delta}_{\chi\delta}\partial^{\alpha}\Gamma^{\alpha\beta}_{\alpha}+\frac{11}{2}c_1\partial_{\chi}\Gamma^{\delta}_{\beta}\partial_{\delta}\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}-\frac{1}{2}c_1\partial_{\chi}\Gamma^{\delta}_{\beta\delta}\partial^{\alpha}\Gamma^{\alpha\beta}_{\alpha}-$	
$\frac{37}{4}c_1\partial_{\chi}\partial_{\beta}h^{\delta}_{\delta}\partial^{\alpha}\Gamma^{\alpha\beta}_{\alpha}+c_1\partial_{\alpha}\Gamma^{\delta}_{\chi}\partial_{\delta}\partial^{\alpha}\Gamma^{\alpha\beta}_{\beta}-c_1\partial_{\chi}\Gamma^{\delta}_{\alpha}\partial_{\delta}\partial^{\alpha}\Gamma^{\alpha\beta}_{\beta}-$	
$\frac{9}{2}c_1\partial_{\chi}\partial_{\beta}h^{\delta}_{\delta}\partial^{\alpha}\partial_{\alpha}h^{\alpha\beta}+\frac{17}{8}c_1\partial_{\chi}\partial_{\beta}h^{\delta}_{\delta}\partial^{\alpha}\partial^{\beta}h_{\alpha}^{\alpha}-\frac{1}{2}c_1\partial_{\chi}\Gamma^{\alpha\beta\chi}\partial_{\delta}\Gamma^{\alpha\beta}_{\alpha}\delta-$	
$\frac{1}{2}c_1\partial_{\beta}\Gamma^{\alpha\beta\chi}\partial_{\delta}\Gamma^{\delta}_{\alpha\chi}-\frac{1}{2}c_1\partial_{\beta}\Gamma^{\alpha\beta\chi}\partial_{\delta}\Gamma^{\delta}_{\alpha\chi}+\frac{19}{2}c_1\partial_{\chi}\Gamma^{\alpha\beta\chi}\partial_{\delta}\Gamma^{\delta}_{\beta\alpha}^{\delta}+$	
$c_1\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}\partial_{\delta}\Gamma^{\delta}_{\beta\chi}+\frac{1}{2}c_1\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}\partial_{\delta}\Gamma^{\delta}_{\chi\beta}+\frac{1}{2}c_1\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}\partial_{\delta}\Gamma^{\delta}_{\chi\beta}-$	
$\frac{1}{2}c_1\partial_{\beta}\Gamma^{\alpha\beta\chi}\partial_{\delta}\Gamma^{\delta}_{\chi\alpha}+\frac{1}{2}c_1\partial^{\chi}\Gamma^{\beta}_{\beta\alpha}\partial_{\delta}\Gamma^{\delta\alpha}_{\chi}+c_1\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}\partial_{\delta}\Gamma^{\delta}_{\chi\beta}-$	
$\frac{1}{2}c_1\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}\partial_{\delta}\Gamma^{\chi}_{\chi}^{\delta}+c_1\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}\partial_{\delta}\Gamma^{\chi\delta}_{\chi}-\frac{1}{2}c_1\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}\partial_{\delta}\Gamma^{\chi\delta}_{\chi}-$	
$\frac{37}{4}c_1\partial_{\chi}\Gamma^{\alpha\beta\chi}\partial_{\delta}\partial_{\alpha}h_{\chi}^{\delta}-\frac{3}{4}c_1\partial_{\beta}\Gamma^{\alpha\beta\chi}\partial_{\delta}\partial_{\alpha}h_{\chi}^{\delta}-\frac{37}{4}c_1\partial_{\chi}\Gamma^{\alpha\beta\chi}\partial_{\delta}\partial_{\beta}h_{\alpha}^{\delta}+$	
$\frac{3}{8}c_1\partial_{\chi}\partial^{\alpha}h^{\alpha\beta}\partial_{\delta}\partial_{\beta}h_{\alpha}^{\delta}+\frac{37}{8}c_1\partial_{\alpha}\partial^{\alpha}h^{\alpha\beta}\partial_{\delta}\partial_{\beta}h_{\chi}^{\delta}+\frac{3}{4}c_1\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}\partial_{\delta}\partial_{\beta}h_{\chi}^{\delta}+$	
$\frac{37}{4}c_1\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}\partial_{\delta}\partial_{\beta}h_{\chi}^{\delta}-\frac{3}{8}c_1\partial^{\chi}\partial_{\alpha}h^{\alpha\beta}\partial_{\delta}\partial_{\beta}h_{\chi}^{\delta}+\frac{13}{4}c_1\partial^{\chi}\partial^{\beta}h_{\alpha}^{\alpha}\partial_{\delta}\partial_{\beta}h_{\chi}^{\delta}-$	
$\frac{3}{4}c_1\partial_{\beta}\Gamma^{\alpha\beta\chi}\partial_{\delta}\partial_{\chi}h_{\alpha}^{\delta}-\frac{43}{8}c_1\partial_{\alpha}\partial^{\alpha}h^{\alpha\beta}\partial_{\delta}\partial_{\chi}h_{\beta}^{\delta}+\frac{3}{4}c_1\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}\partial_{\delta}\partial_{\chi}h_{\beta}^{\delta}+$	
$\frac{37}{4}c_1\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}\partial_{\delta}\partial_{\chi}h_{\beta}^{\delta}+\frac{77}{8}c_1\partial_{\chi}\partial_{\alpha}h^{\alpha\beta}\partial_{\delta}\partial_{\chi}h_{\beta}^{\delta}-\frac{29}{4}c_1\partial^{\chi}\partial^{\beta}h_{\alpha}^{\alpha}\partial_{\delta}\partial_{\chi}h_{\beta}^{\delta}+$	
$c_1\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}\partial_{\delta}\partial_{\chi}h^{\chi\delta}-c_1\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}\partial_{\delta}\partial_{\chi}h^{\chi\delta}-\frac{1}{2}c_1\partial_{\beta}\partial_{\alpha}h^{\alpha\beta}\partial_{\delta}\partial_{\chi}h^{\chi\delta}+$	
$c_1\partial_{\beta}\partial^{\beta}h_{\alpha}^{\alpha}\partial_{\delta}\partial_{\chi}h^{\chi\delta}+\frac{37}{4}c_1\partial_{\chi}\Gamma^{\alpha\beta\chi}\partial_{\delta}\partial^{\delta}h_{\alpha\beta}+\frac{17}{8}c_1\partial_{\chi}\partial^{\alpha}h^{\alpha\beta}\partial_{\delta}\partial^{\delta}h_{\alpha\beta}+$	
$\frac{3}{4}c_1\partial_{\beta}\Gamma^{\alpha\beta\chi}\partial_{\delta}\partial^{\delta}h_{\alpha\chi}+\frac{1}{4}c_1\partial_{\alpha}\partial^{\alpha}h^{\alpha\beta}\partial_{\delta}\partial^{\delta}h_{\beta\chi}-\frac{3}{4}c_1\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}\partial_{\delta}\partial^{\delta}h_{\beta\chi}-$	
$\frac{37}{4}c_1\partial^{\chi}\Gamma^{\alpha\beta}_{\alpha}\partial_{\delta}\partial^{\delta}h_{\beta\chi}-\frac{73}{8}c_1\partial^{\chi}\partial_{\alpha}h^{\alpha\beta}\partial_{\delta}\partial^{\delta}h_{\beta\chi}+\frac{17}{4}c_1\partial^{\chi}\partial^{\beta}h_{\alpha}^{\alpha}\partial_{\delta}\partial^{\delta}h_{\beta\chi}-$	
$c_1\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}\partial_{\delta}\partial^{\delta}h_{\chi}^{\chi}+c_1\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}\partial_{\delta}\partial^{\delta}h_{\chi}^{\chi}-\frac{1}{2}c_1\partial_{\beta}\partial^{\beta}h_{\alpha}^{\alpha}\partial_{\delta}\partial^{\delta}h_{\chi}^{\chi}+$	
$\frac{1}{2}c_1\partial_{\alpha}\Gamma^{\beta\chi\delta}\partial^{\delta}\Gamma^{\alpha\beta\chi}+c_1\partial_{\alpha}\Gamma^{\beta\delta\chi}\partial^{\delta}\Gamma^{\alpha\beta\chi}+c_1\partial_{\alpha}\Gamma^{\chi\beta\delta}\partial^{\delta}\Gamma^{\alpha\beta\chi}+$	
$\frac{1}{2}c_1\partial_{\alpha}\Gamma^{\chi\delta\beta}\partial^{\delta}\Gamma^{\alpha\beta\chi}+c_1\partial_{\alpha}\Gamma^{\delta\beta\chi}\partial^{\delta}\Gamma^{\alpha\beta\chi}+c_1\partial_{\alpha}\Gamma^{\delta\chi\beta}\partial^{\delta}\Gamma^{\alpha\beta\chi}-$	
$\frac{1}{2}c_1\partial_{\beta}\Gamma^{\alpha\chi\delta}\partial^{\delta}\Gamma^{\alpha\beta\chi}-\frac{1}{2}c_1\partial_{\beta}\Gamma^{\alpha\delta\chi}\partial^{\delta}\Gamma^{\alpha\beta\chi}-\frac{1}{2}c_1\partial_{\beta}\Gamma^{\chi\delta\alpha}\partial^{\delta}\Gamma^{\alpha\beta\chi}-$	
$\frac{3}{2}c_1\partial_{\beta}\partial_{\alpha}h^{\chi\delta}\partial^{\delta}\Gamma^{\alpha\beta\chi}-\frac{1}{2}c_1\partial_{\chi}\Gamma^{\alpha\beta\delta}\partial^{\delta}\Gamma^{\alpha\beta\chi}-\frac{1}{2}c_1\partial_{\chi}\Gamma^{\beta\alpha\delta}\partial^{\delta}\Gamma^{\alpha\beta\chi}+$	
$c_1\partial_{\chi}\Gamma^{\beta\delta\alpha}\partial^{\delta}\Gamma^{\alpha\beta\chi}+\frac{3}{2}c_1\partial_{\chi}\partial_{\alpha}h_{\beta\delta}\partial^{\delta}\Gamma^{\alpha\beta\chi}-c_1\partial_{\delta}\Gamma^{\alpha\beta\chi}\partial^{\delta}\Gamma^{\alpha\beta\chi}-$	
$c_1\partial_{\delta}\Gamma^{\alpha\chi\beta}\partial^{\delta}\Gamma^{\alpha\beta\chi}-\frac{1}{2}c_1\partial_{\delta}\Gamma^{\beta\alpha\chi}\partial^{\delta}\Gamma^{\alpha\beta\chi}-\frac{1}{2}c_1\partial_{\delta}\Gamma^{\beta\chi\alpha}\partial^{\delta}\Gamma^{\alpha\beta\chi}-$	
$\frac{1}{2}c_1\partial_{\delta}\Gamma^{\chi\beta\alpha}\partial^{\delta}\Gamma^{\alpha\beta\chi}+\frac{3}{2}c_1\partial_{\delta}\partial_{\beta}h_{\alpha\chi}\partial^{\delta}\Gamma^{\alpha\beta\chi}-\frac{3}{2}c_1\partial_{\delta}\partial_{\chi}h_{\alpha\beta}\partial^{\delta}\Gamma^{\alpha\beta\chi}-$	
$\frac{11}{2}c_1\partial_{\beta}\Gamma^{\alpha\beta}_{\delta\alpha}\partial^{\delta}\partial^{\alpha}\Gamma^{\alpha\chi}_{\chi}-\frac{1}{2}c_1\partial^{\alpha}\Gamma^{\beta}_{\delta\alpha}\partial^{\delta}\Gamma^{\chi}_{\beta\chi}+\frac{1}{2}c_1\partial_{\beta}\Gamma^{\alpha\beta}_{\delta\alpha}\partial^{\delta}\Gamma^{\chi\alpha}_{\chi}-$	
$\frac{3}{4}c_1\partial_{\beta}\partial_{\alpha}h^{\chi\delta}\partial^{\delta}\partial^{\alpha}h^{\alpha\beta}+\frac{3}{2}c_1\partial_{\chi}\partial_{\beta}h_{\alpha\delta}\partial^{\delta}\partial^{\alpha}h^{\alpha\beta}-\frac{3}{4}c_1\partial_{\delta}\partial_{\chi}h_{\alpha\beta}\partial^{\delta}\partial^{\alpha}h^{\alpha\beta}$	
Added source term: $ h^{\alpha\beta}\mathcal{T}_{\alpha\beta}+\Gamma^{\alpha\beta\chi}\Delta_{\alpha\beta\chi}$	

Massive particle	
Pole residue:	$-\frac{4907}{24389c_1} > 0$
Polarisations:	3
Square mass:	$\frac{40}{29c_1} > 0$
Spin:	1
Parity:	Even

Massive particle	
Pole residue:	$\frac{4907}{35937c_1} > 0$
Polarisations:	3
Square mass:	$\frac{40}{33c_1} > 0$
Spin:	1
Parity:	Odd

Massive particle	
Pole residue:	$\frac{2}{7c_1} > 0$
Polarisations:	7
Square mass:	$-\frac{40}{7c_1} > 0$
Spin:	3
Parity:	Odd

Massive particle	
Pole residue:	$\frac{4}{5c_1} > 0$
Polarisations:	5
Square mass:	$\frac{40}{5c_1} > 0$
Spin:	2
Parity:	Odd

Massive particle	
Pole residue:	$\frac{2}{c_1} > 0$
Polarisations:	1
Square mass:	$\frac{40}{c_1} > 0$
Spin:	0
Parity:	Odd

Massive particle	
Pole residue:	$\frac{4}{c_1} > 0$
Polarisations:	5
Square mass:	$\frac{16}{c_1} > 0$
Spin:	2
Parity:	Odd

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

$$\Gamma_{3^+}^{\#1+\alpha\beta\chi}\frac{1}{2}(-a_0-7c_1k^2)$$

$$\Delta_{3^+}^{\#1+\alpha\beta\chi}\frac{\Delta_{3^+}^{\#1}\alpha\beta\chi}{a_0+7c_1k^2}$$

$\Gamma_{1^+}^{\#1+\alpha\beta}$	$\Gamma_{1^+}^{\#2+\alpha\beta}$	$\Gamma_{1^+}^{\#3+\alpha\beta}$	$\Gamma_{1^+}^{\#1-\alpha}$	$\Gamma_{1^+}^{\#2-\alpha}$	$\Gamma_{1^+}^{\#3-\alpha}$	$\Gamma_{1^+}^{\#4-\alpha}$	$\Gamma_{1^+}^{\#5-\alpha}$	$\Gamma_{1^+}^{\#6-\alpha}$	$h_{1^+}^{\#1-\alpha}$
$\frac{1}{4}(-a_0-15c_1k^2)-\frac{a_0}{2\sqrt{2}}$	$-\frac{a_0}{2\sqrt{2}}$	$5c_1k^2$	0	0	0	0	0	0	0
$-\frac{a_0}{2\sqrt{2}}$	0	0	0	0	0	0	0	0	0
$5c_1k^2$	0	$\frac{1}{4}(a_0-29c_1k^2)$	0	0	0	0	0	0	0
0	0	0	$\frac{1}{4}(-a_0-3c_1k^2)-\frac{a_0}{2\sqrt{2}}$	$\frac{a_0}{2\sqrt{2}}$	0	$-\frac{5}{2}\sqrt{\frac{3}{2}}c_1k^2$	$5\sqrt{\frac{3}{2}}c_1k^2$	$-\frac{5c_1k^2}{\sqrt{3}}$	0
0	0	0	0	0	0	0	0	0	0
0	0	0	$\frac{5}{2}\sqrt{\frac{3}{2}}c_1k^2$	$-\frac{a_0}{3}$	0	$-\frac{a_0}{6\sqrt{2}}$	$-\frac{a_0}{6\sqrt{2}}$	$\frac{1}{6}(-a_0+20c_1k^2)$	0
0	0	0	$-\frac{5}{2}\sqrt{\frac{3}{2}}c_1k^2$	0	0	$\frac{1}{3}(a_0+7c_1k^2)$	$-\frac{1}{6}\sqrt{\frac{5}{2}}(a_0+16c_1k^2)-\frac{1}{6}\sqrt{\frac{5}{2}}(a_0-5c_1k^2)$	$-\frac{1}{6}\sqrt{\frac{5}{2}}(a_0-5c_1k^2)$	0
0	0	0	$5\sqrt{\frac{3}{2}}c_1k^2$	0	$-\frac{a_0}{6\sqrt{2}}$	$\frac{1}{3}(a_0+16c_1k^2)$	$\frac{a_0}{3}$	$\frac{a_0+40c_1k^2}{6\sqrt{2}}$	0
0	0	0	$-\frac{5c_1k^2}{\sqrt{3}}$	0	0	$-\frac{1}{6}(-a_0+20c_1k^2)$	$\frac{a_0+40c_1k^2}{6\sqrt{2}}$	$\frac{5}{12}(a_0-17c_1k^2)$	0
0	0	0	0	0	0	0	0	0	0
$h_{1^+}^{\#1+\alpha}$	$h_{1^+}^{\#1+\alpha}$	$h_{1^+}^{\#1+\alpha}$	0	0	0	0	0	0	0

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

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

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

$\Gamma_{0^+}^{\#1}$	$\Gamma_{0^+}^{\#2}$	$\Gamma_{0^+}^{\#3}$	$\Gamma_{0^+}^{\#4}$	$h_{0^+}^{\#1}$	$h_{0^+}^{\#2}$	$\Gamma_{0^+}^{\#1}$
$\frac{1}{2}(-a_0+25c_1k^2)$	0	$10\sqrt{\frac{2}{3}}c_1k^2$	$-\frac{10c_1k^2}{\sqrt{3}}$	$-\frac{25ic_1k^3}{2\sqrt{2}}$	0	0
0	0	$\frac{a_0}{2}$	$-\frac{a_0}{2\sqrt{2}}$	0	0	0
$10\sqrt{\frac{2}{3}}c_1k^2$	$\frac{a_0}{2}$	$\frac{23c_1k^2}{3}$	$-\frac{3a_0+46c_1k^2}{6\sqrt{2}}$	$-\frac{10ic_1k^3}{\sqrt{3}}$	0	0
$-\frac{10c_1k^2}{\sqrt{3}}$	$-\frac{a_0}{2\sqrt{2}}$	$-\frac{3a_0+46c_1k^2}{6\sqrt{2}}$	$\frac{1}{6}(3a_0+23c_1k^2)$	$5i\sqrt{\frac{2}{3}}c_1k^3$	0	0
$\frac{25ic_1k^3}{2\sqrt{2}}$	0	$\frac{10ic_1k^3}{\sqrt{3}}$	$-5i\sqrt{\frac{2}{3}}c_1k^3$	$\frac{1}{4}k^2(a_0+25c_1k^2)$	0	0
0	0	0	0	0	0	0
0	0	0	0	0	0	$\frac{1}{2}(-a_0+c_1k^2)$

Unitarity conditions
(Unitarity is demonstrably impossible)

$\Gamma_{2^+}^{\#1+\alpha\beta}$	$\Gamma_{2^+}^{\#2+\alpha\beta}$	$\Gamma_{2^+}^{\#3+\alpha\beta}$	$h_{2^+}^{\#1\alpha\beta}$	$\Gamma_{2^+}^{\#1-\alpha\beta\chi}$	$\Gamma_{2^+}^{\#2-\alpha\beta\chi}$
$\frac{1}{4}(a_0+11c_1k^2)$	$-5\sqrt{\frac{2}{3}}c_1k^2$	$\frac{5c_1k^2}{\sqrt{3}}$	$-\frac{11ic_1k^3}{4\sqrt{2}}$	0	0
$\Gamma_{2^+}^{\#2+\alpha\beta}$	$-\frac{1}{6}(-3a_0+c_1k^2)$	$-\frac{c_1k^2}{6\sqrt{2}}$	$\frac{5ic_1k^3}{\sqrt{3}}$	0	0
$\Gamma_{2^+}^{\#3+\alpha\beta}$	$-\frac{c_1k^2}{6\sqrt{2}}$	$\frac{1}{12}(3a_0+c_1k^2)$	$-\frac{5ic_1k^3}{\sqrt{6}}$	0	0
$h_{2^+}^{\#1+\alpha\beta}$	$\frac{11ic_1k^3}{4\sqrt{2}}$	$-\frac{5ic_1k^3}{\sqrt{3}}$	$-\frac{1}{8}k^2(a_0-11c_1k^2)$	0	0
$\Gamma_{2^+}^{\#1+\alpha\beta\chi}$	0	0	0	$\frac{1}{4}(a_0-c_1k^2)$	0
$\Gamma_{2^+}^{\#2+\alpha\beta\chi}$	0	0	0	0	$\frac{1}{4}(a_0-5c_1k^2)$