	$\Delta^{\#1}_{1^+\,\alpha\beta}$	$\Delta^{\#2}_{1^+\,\alpha\beta}$	$\Delta^{\#3}_{1^+\,\alpha\beta}$	$\Delta^{\#1}_{1^-\,\alpha}$	$\Delta^{\#2}_{1^-\,\alpha}$	$\Delta^{\#3}_{1^-\,\alpha}$	$\Delta^{\#4}_{1^-\,\alpha}$	$\Delta^{\#5}_{1^-\,\alpha}$	$\Delta^{\#6}_{1^-\,\alpha}$	$\mathcal{T}^{\#1}_{1^-\,\alpha}$
$\Delta^{\#1}_{1^+}\dagger^{\alpha\beta}$	0	$-\frac{2\sqrt{2}}{a_0}$	0	0	0	0	0	0	0	0
$\Delta^{\#2}_{1^+}\dagger^{\alpha\beta}$	$-\frac{2\sqrt{2}}{a_0}$	$\frac{2}{a_0}$	0	0	0	0	0	0	0	0
$\Delta^{\#3}_{1^+}\dagger^{\alpha\beta}$	0	0	$\frac{4}{a_0}$	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	$\frac{2\sqrt{2}}{a_0}$	$\frac{2}{a_0}$	0	0	0	0	0
$\Delta^{\#3}_{1^-}\dagger^{\alpha}$	0	0	0	0	0	$-\frac{19}{12a_0}$	$\frac{5\sqrt{5}}{12a_0}$	$-\frac{1}{6\sqrt{2}a_0}$	$-\frac{1}{6a_0}$	0
$\Delta^{\#4}_{1^-}\dagger^{\alpha}$	0	0	0	0	0	$\frac{5\sqrt{5}}{12a_0}$	$\frac{1}{12a_0}$	$-\frac{\sqrt{\frac{5}{2}}}{6a_0}$	$-\frac{\sqrt{5}}{6a_0}$	0
$\Delta^{\#5}_{1^-}\dagger^{\alpha}$	0	0	0	0	0	$-\frac{1}{6\sqrt{2}a_0}$	$-\frac{\sqrt{\frac{5}{2}}}{6a_0}$	$\frac{17}{6a_0}$	$-\frac{7}{3\sqrt{2}a_0}$	0
$\Delta^{\#6}_{1^-}\dagger^{\alpha}$	0	0	0	0	0	$-\frac{1}{6a_0}$	$-\frac{\sqrt{5}}{6a_0}$	$-\frac{7}{3\sqrt{2}a_0}$	$\frac{5}{3a_0}$	0
$\mathcal{T}^{\#1}_{1^-}\dagger^{\alpha}$	0	0	0	0	0	0	0	0	0	0

	$\Gamma^{\#1}_{1^+\,\alpha\beta}$	$\Gamma^{\#2}_{1^+\,\alpha\beta}$	$\Gamma^{\#3}_{1^+\,\alpha\beta}$	$\Gamma^{\#1}_{1^-\,\alpha}$	$\Gamma^{\#2}_{1^-\,\alpha}$	$\Gamma^{\#3}_{1^-\,\alpha}$	$\Gamma^{\#4}_{1^-\,\alpha}$	$\Gamma^{\#5}_{1^-\,\alpha}$	$\Gamma^{\#6}_{1^-\,\alpha}$	$h^{\#1}_{1^-\,\alpha}$
$\Gamma^{\#1}_{1^+}\dagger^{\alpha\beta}$	$-\frac{a_0}{4}$	$-\frac{a_0}{2\sqrt{2}}$	0	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
$\Gamma^{\#3}_{1^+}\dagger^{\alpha\beta}$	0	0	$\frac{a_0}{4}$	0	0	0	0	0	0	0
$\Gamma^{\#1}_{1^-}\dagger^{\alpha}$	0	0	0	$-\frac{a_0}{4}$	$\frac{a_0}{2\sqrt{2}}$	0	0	0	0	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	0	0	$-\frac{a_0}{3}$	$\frac{\sqrt{5}a_0}{6}$	$-\frac{a_0}{6\sqrt{2}}$	$-\frac{a_0}{6}$	0
$\Gamma^{\#4}_{1^-}\dagger^{\alpha}$	0	0	0	0	0	$\frac{\sqrt{5}a_0}{6}$	$\frac{a_0}{3}$	$-\frac{1}{6}\sqrt{\frac{5}{2}}\,a_0$	$-\frac{\sqrt{5}a_0}{6}$	0
$\Gamma^{\#5}_{1^-}\dagger^{\alpha}$	0	0	0	0	0	$-\frac{a_0}{6\sqrt{2}}$	$-\frac{1}{6}\sqrt{\frac{5}{2}}\,a_0$	$\frac{a_0}{3}$	$\frac{a_0}{6\sqrt{2}}$	0
$\Gamma^{\#6}_{1^-}\dagger^{\alpha}$	0	0	0	0	0	$-\frac{a_0}{6}$	$-\frac{\sqrt{5}a_0}{6}$	$\frac{a_0}{6\sqrt{2}}$	$\frac{5a_0}{12}$	0
$h^{\#1}_{1^-}\dagger^{\alpha}$	0	0	0	0	0	0	0	0	0	0

Lagrangian density

$-\frac{1}{2}a_0\,\Gamma^{\alpha\beta\chi}\,\Gamma_{\beta\chi\alpha}+\frac{1}{2}a_0\,\Gamma_{\alpha}{}^{\alpha\beta}\,\Gamma^{\chi}{}_{\beta\chi}-$

$\frac{1}{2}a_0\,\Gamma^{\alpha\beta\chi}\,\partial_\beta h_{\alpha\chi}-\frac{1}{4}a_0\,\Gamma_{\alpha}{}^{\alpha\beta}\,\partial_\beta h^\chi{}_\chi+\frac{1}{4}a_0\,\Gamma^{\alpha\beta}{}_{\alpha}\,\partial_\beta h^\chi{}_\chi-$

$\frac{1}{4}a_0\,h^\chi{}_\chi\,\partial_\beta\Gamma_{\alpha}{}^{\alpha\beta}+\frac{1}{4}a_0\,h^\chi{}_\chi\,\partial_\beta\Gamma^{\alpha\beta}{}_{\alpha}-\frac{1}{2}a_0\,h_{\alpha\chi}\,\partial_\beta\Gamma^{\alpha\beta\chi}+$

$\frac{1}{2}a_0\,h^{\alpha\beta}\,\partial_\beta\partial_\alpha h^\chi{}_\chi-\frac{1}{8}a_0\,\partial_\beta h^\chi{}_\chi\,\partial^\beta h^\alpha{}_\alpha+\frac{1}{2}a_0\,\Gamma_{\alpha}{}^{\alpha\beta}\,\partial_\chi h_\beta{}^\chi-$

$\frac{1}{2}a_0\,\partial_\alpha h^{\alpha\beta}\,\partial_\chi h_\beta{}^\chi+\frac{1}{2}a_0\,\partial^\beta h^\alpha{}_\alpha\,\partial_\chi h_\beta{}^\chi-a_0\,h^{\alpha\beta}\,\partial_\chi\partial_\beta h_\alpha{}^\chi+$

$\frac{1}{4}a_0\,h^\alpha{}_\alpha\,\partial_\chi\partial_\beta h^{\beta\chi}+\frac{1}{2}a_0\,h^{\alpha\beta}\,\partial_\chi\partial^\chi h_{\alpha\beta}-\frac{1}{4}a_0\,h^\alpha{}_\alpha\,\partial_\chi\partial^\chi h^\beta{}_\beta-$

$\frac{1}{4}a_0\,\partial_\beta h_{\alpha\chi}\,\partial^\chi h^{\alpha\beta}+\frac{3}{8}a_0\,\partial_\chi h_{\alpha\beta}\,\partial^\chi h^{\alpha\beta}+\frac{1}{2}a_0\,h_{\beta\chi}\,\partial^\chi\Gamma_{\alpha}{}^{\alpha\beta}$

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

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

	$\Gamma^{\#1}_{3^-\,\alpha\beta\chi}$
$\Gamma^{\#1}_{3^-}\dagger^{\alpha\beta\chi}$	$-\frac{a_0}{2}$

	$\Delta^{\#1}_{0^+}$	$\Delta^{\#2}_{0^+}$	$\Delta^{\#3}_{0^+}$	$\Delta^{\#4}_{0^+}$	$\mathcal{T}^{\#1}_{0^+}$	$\mathcal{T}^{\#2}_{0^+}$	$\Delta^{\#1}_{0^-}$
$\Delta^{\#1}_{0^+}\dagger$	$-\frac{2}{a_0}$	0	0	0	0	0	0
$\Delta^{\#2}_{0^+}\dagger$	0	$-\frac{3}{4a_0}$	$\frac{5}{4a_0}$	$-\frac{1}{2\sqrt{2}a_0}$	0	0	0
$\Delta^{\#3}_{0^+}\dagger$	0	$\frac{5}{4a_0}$	$-\frac{3}{4a_0}$	$-\frac{1}{2\sqrt{2}a_0}$	0	0	0
$\Delta^{\#4}_{0^+}\dagger$	0	$-\frac{1}{2\sqrt{2}a_0}$	$-\frac{1}{2\sqrt{2}a_0}$	$\frac{1}{2a_0}$	0	0	0
$\mathcal{T}^{\#1}_{0^+}\dagger$	0	0	0	0	$\frac{4}{a_0k^2}$	0	0
$\mathcal{T}^{\#2}_{0^+}\dagger$	0	0	0	0	0	0	0
$\Delta^{\#1}_{0^-}\dagger$	0	0	0	0	0	0	$-\frac{2}{a_0}$

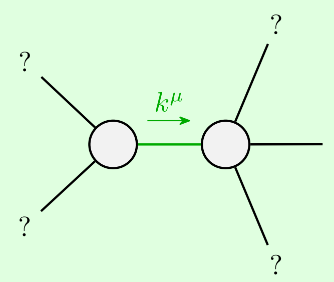
	$\Delta^{\#1}_{2^+\,\alpha\beta}$	$\Delta^{\#2}_{2^+\,\alpha\beta}$	$\Delta^{\#3}_{2^+\,\alpha\beta}$	$\mathcal{T}^{\#1}_{2^+\,\alpha\beta}$	$\Delta^{\#1}_{2^-\,\alpha\beta\chi}$	$\Delta^{\#2}_{2^-\,\alpha\beta\chi}$
$\Delta^{\#1}_{2^+}\dagger^{\alpha\beta}$	$\frac{4}{a_0}$	0	0	0	0	0
$\Delta^{\#2}_{2^+}\dagger^{\alpha\beta}$	0	$-\frac{2}{a_0}$	0	0	0	0
$\Delta^{\#3}_{2^+}\dagger^{\alpha\beta}$	0	0	$\frac{4}{a_0}$	0	0	0
$\mathcal{T}^{\#1}_{2^+}\dagger^{\alpha\beta}$	0	0	0	$-\frac{8}{a_0k^2}$	0	0
$\Delta^{\#1}_{2^-}\dagger^{\alpha\beta\chi}$	0	0	0	0	$\frac{4}{a_0}$	0
$\Delta^{\#2}_{2^-}\dagger^{\alpha\beta\chi}$	0	0	0	0	0	$\frac{4}{a_0}$

	$\Gamma^{\#1}_{0^+}$	$\Gamma^{\#2}_{0^+}$	$\Gamma^{\#3}_{0^+}$	$\Gamma^{\#4}_{0^+}$	$h^{\#1}_{0^+}$	$h^{\#2}_{0^+}$	$\Gamma^{\#1}_{0^-}$
$\Gamma^{\#1}_{0^+}\dagger$	$-\frac{a_0}{2}$	0	0	0	0	0	0
$\Gamma^{\#2}_{0^+}\dagger$	0	0	$\frac{a_0}{2}$	$-\frac{a_0}{2\sqrt{2}}$	0	0	0
$\Gamma^{\#3}_{0^+}\dagger$	0	$\frac{a_0}{2}$	0	$-\frac{a_0}{2\sqrt{2}}$	0	0	0
$\Gamma^{\#4}_{0^+}\dagger$	0	$-\frac{a_0}{2\sqrt{2}}$	$-\frac{a_0}{2\sqrt{2}}$	$\frac{a_0}{2}$	0	0	0
$h^{\#1}_{0^+}\dagger$	0	0	0	0	$\frac{a_0k^2}{4}$	0	0
$h^{\#2}_{0^+}\dagger$	0	0	0	0	0	0	0
$\Gamma^{\#1}_{0^-}\dagger$	0	0	0	0	0	0	$-\frac{a_0}{2}$

	$\Gamma^{\#1}_{2^+\,\alpha\beta}$	$\Gamma^{\#2}_{2^+\,\alpha\beta}$	$\Gamma^{\#3}_{2^+\,\alpha\beta}$	$h^{\#1}_{2^+\,\alpha\beta}$	$\Gamma^{\#1}_{2^-\,\alpha\beta\chi}$	$\Gamma^{\#2}_{2^-\,\alpha\beta\chi}$
$\Gamma^{\#1}_{2^+}\dagger^{\alpha\beta}$	$\frac{a_0}{4}$	0	0	0	0	0
$\Gamma^{\#2}_{2^+}\dagger^{\alpha\beta}$	0	$-\frac{a_0}{2}$	0	0	0	0
$\Gamma^{\#3}_{2^+}\dagger^{\alpha\beta}$	0	0	$\frac{a_0}{4}$	0	0	0
$h^{\#1}_{2^+}\dagger^{\alpha\beta}$	0	0	0	$-\frac{a_0k^2}{8}$	0	0
$\Gamma^{\#1}_{2^-}\dagger^{\alpha\beta\chi}$	0	0	0	0	$\frac{a_0}{4}$	0
$\Gamma^{\#2}_{2^-}\dagger^{\alpha\beta\chi}$	0	0	0	0	0	$\frac{a_0}{4}$

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



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

Unitarity conditions

$a_0<0$

(No massive particles)