

	$\Delta_{1^+}^{\#1} \alpha\beta$	$\Delta_{1^+}^{\#2} \alpha\beta$	$\Delta_{1^+}^{\#3} \alpha\beta$	$\Delta_{1^+}^{\#1} \alpha$	$\Delta_{1^+}^{\#2} \alpha$	$\Delta_{1^+}^{\#3} \alpha$	$\Delta_{1^+}^{\#4} \alpha$	$\mathcal{T}_{1^+}^{\#1} \alpha$
$\Delta_{1^+}^{\#1} \uparrow^{\alpha\beta}$	$\frac{4}{3} (-\frac{1}{a_0+4a_1-4a_2} + \frac{2a_1+a_2-2a_5-6a_7+2a_9}{2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9)})$	$\frac{2}{3} \sqrt{2} (-\frac{1}{a_0+4a_1-4a_2} - \frac{2(2a_1+a_2-2a_5-6a_7+2a_9)}{2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9)})$	$\frac{4(2a_1+a_2+ag)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	0	0	0	0	0
$\Delta_{1^+}^{\#2} \uparrow^{\alpha\beta}$	$\frac{2}{3} \sqrt{2} (-\frac{1}{a_0+4a_1-4a_2} - \frac{2(2a_1+a_2-2a_5-6a_7+2a_9)}{2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9)})$	$-\frac{2}{3(a_0+4a_1-4a_2)} + \frac{8(2a_1+a_2-2a_5-6a_7+2a_9)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$\frac{4\sqrt{2}(2a_1+a_2+ag)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	0	0	0	0	0
$\Delta_{1^+}^{\#3} \uparrow^{\alpha\beta}$	$-\frac{4(2a_1+a_2+ag)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$\frac{4\sqrt{2}(2a_1+a_2+ag)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$-\frac{4(a_0-2a_1-a_2)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	0	0	0	0	0
$\Delta_{1^+}^{\#1} \uparrow^\alpha$	0	0	0	$\frac{4(2a_1+a_2-2a_5-6a_7+2a_9)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$\frac{4\sqrt{2}(2a_1+a_2-2a_5-6a_7+2a_9)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	0	0	0
$\Delta_{1^+}^{\#2} \uparrow^\alpha$	0	0	0	$\frac{4\sqrt{2}(2a_1+a_2-2a_5-6a_7+2a_9)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$\frac{8(2a_1+a_2-2a_5-6a_7+2a_9)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	0	0	0
$\Delta_{1^+}^{\#3} \uparrow^\alpha$	0	0	0	0	0	$-\frac{10}{9(a_0+2a_5-6a_7)} - \frac{1}{6(3a_0-2(a_5-8a_6+5a_7-4c_{13}k^2))}$	$\frac{1}{18} \sqrt{5} (\frac{4}{a_0+2a_5-6a_7} - \frac{3}{3a_0-2a_5+16a_6-10a_7+8c_{13}k^2})$	$-\frac{1}{\sqrt{2}(9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2))}$
$\Delta_{1^+}^{\#4} \uparrow^\alpha$	0	0	0	0	0	$\frac{1}{18} \sqrt{5} (\frac{4}{a_0+2a_5-6a_7} - \frac{3}{3a_0-2a_5+16a_6-10a_7+8c_{13}k^2})$	$-\frac{2}{9(a_0+2a_5-6a_7)} - \frac{5}{6(3a_0-2(a_5-8a_6+5a_7-4c_{13}k^2))}$	$-\frac{\sqrt{5}}{9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2)}$
$\Delta_{1^+}^{\#5} \uparrow^\alpha$	0	0	0	$-\frac{4\sqrt{\frac{2}{3}}(2a_1+a_2+ag)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$-\frac{8(2a_1+a_2+ag)}{3\sqrt{3}(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$-\frac{1}{\sqrt{2}(9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2))}$	$-\frac{\sqrt{5}}{9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2)}$	$\{\sqrt{2}(12a_0^2-3a_9^2-a_0(30a_1+15a_2+2a_5-64a_6+22a_7+6a_9-32c_{13}k^2))+2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9)\}$
$\Delta_{1^+}^{\#6} \uparrow^\alpha$	0	0	0	$\frac{4(2a_1+a_2+ag)}{3\sqrt{3}(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$\frac{4\sqrt{\frac{2}{3}}(2a_1+a_2+ag)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$-\frac{1}{9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2)}$	$-\frac{\sqrt{5}}{9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2)}$	$\frac{-4a_0+8a_1+4a_2}{9(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))} - \frac{1}{9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2)}$
$\mathcal{T}_{1^+}^{\#1} \uparrow^\alpha$	0	0	0	0	0	0	0	0

	$\Gamma_{1^+}^{\#1} \alpha\beta$	$\Gamma_{1^+}^{\#2} \alpha\beta$	$\Gamma_{1^+}^{\#3} \alpha\beta$	$\Gamma_{1^+}^{\#1} \alpha$	$\Gamma_{1^+}^{\#2} \alpha$	$\Gamma_{1^+}^{\#3} \alpha$	$\Gamma_{1^+}^{\#4} \alpha$	$\Gamma_{1^+}^{\#5} \alpha$	$\Gamma_{1^+}^{\#6} \alpha$	$h_{1^+}^{\#1} \alpha$
$\Gamma_{1^+}^{\#1} \uparrow^{\alpha\beta}$	$\frac{1}{4} (-a_0-6a_1+5a_2)$	$-\frac{a_0+2a_1-3a_2}{2\sqrt{2}}$	$\frac{1}{4} (-2a_1-a_2-a_9)$	0	0	0		0		0
$\Gamma_{1^+}^{\#2} \uparrow^{\alpha\beta}$	$-\frac{a_0+2a_1-3a_2}{2\sqrt{2}}$	$\frac{1}{2} (-2a_1+a_2)$	$\frac{2a_1+a_2+a_9}{2\sqrt{2}}$	0	0	0	0	0	0	0
$\Gamma_{1^+}^{\#3} \uparrow^{\alpha\beta}$	$\frac{1}{4} (-2a_1-a_2-a_9)$	$\frac{2a_1+a_2+a_9}{2\sqrt{2}}$	$-\frac{3}{4} (2a_1+a_2-2a_5-6a_7+2a_9)$	0	0	0	0	0	0	0
$\Gamma_{1^+}^{\#1} \uparrow^\alpha$	0	0	0	$\frac{1}{12} (a_0-2a_1-a_2)$	$\frac{a_0-2a_1-a_2}{6\sqrt{2}}$	0		$\frac{2a_1+a_2+a_9}{2\sqrt{6}}$	$\frac{2a_1+a_2+a_9}{4\sqrt{3}}$	0
$\Gamma_{1^+}^{\#2} \uparrow^\alpha$	0	0	0	$\frac{a_0-2a_1-a_2}{6\sqrt{2}}$	$\frac{1}{6} (a_0-2a_1-a_2)$	0	0	$\frac{2a_1+a_2+a_9}{2\sqrt{3}}$	$\frac{2a_1+a_2+a_9}{2\sqrt{6}}$	0
$\Gamma_{1^+}^{\#3} \uparrow^\alpha$	0	0	0	0	0	$\frac{1}{12} (-9a_0-14a_5-8a_6+50a_7-4c_{13}k^2)$	$\frac{1}{3} \sqrt{5} (a_5-2a_6-a_7-c_{13}k^2)$	$-\frac{3a_0+2(a_5-8a_6+5a_7-4c_{13}k^2)}{12\sqrt{2}}$	$-\frac{a_0}{4} + \frac{1}{6} (a_5-8a_6+5a_7-4c_{13}k^2)$	0
$\Gamma_{1^+}^{\#4} \uparrow^\alpha$	0	0	0	0	0	$\frac{1}{3} \sqrt{5} (a_5-2a_6-a_7-c_{13}k^2)$	$\frac{1}{12} (-9a_0+2a_5-40a_6+34a_7-20c_{13}k^2)$	$\frac{1}{12} \sqrt{\frac{5}{2}} (-3a_0+2(a_5-8a_6+5a_7-4c_{13}k^2))$	$\frac{1}{12} \sqrt{5} (-3a_0+2(a_5-8a_6+5a_7-4c_{13}k^2))$	0
$\Gamma_{1^+}^{\#5} \uparrow^\alpha$	0	0	0	0	0	$\frac{1}{12} \sqrt{\frac{5}{2}} (-3a_0+2(a_5-8a_6+5a_7-4c_{13}k^2))$	$\frac{1}{12} (-9a_0+2a_5-40a_6+34a_7-20c_{13}k^2)$	$\frac{3a_0+2(a_5-8a_6+5a_7-4c_{13}k^2)}{6\sqrt{2}}$	$-\frac{3a_0-6a_1-3a_2+4a_5+16a_6+8a_7-6a_9+8c_{13}k^2}{6\sqrt{2}}$	0
$\Gamma_{1^+}^{\#6} \uparrow^\alpha$	0	0	0	0	0	$\frac{1}{12} \sqrt{5} (-3a_0+2(a_5-8a_6+5a_7-4c_{13}k^2))$	$\frac{1}{12} (-6a_0-6a_1-3a_2+10a_5-32a_6+38a_7-6a_9-16c_{13}k^2)$	$\frac{1}{12} (-6a_0-6a_1-3a_2+10a_5-32a_6+38a_7-6a_9-16c_{13}k^2)$	$\frac{1}{12} (-6a_0-6a_1-3a_2+10a_5-32a_6+38a_7-6a_9-16c_{13}k^2)$	0
$h_{1^+}^{\#1} \uparrow^\alpha$	0	0	0	0	0	0	0	0	0	0

Lagrangian density

$-\frac{1}{3}a_0\Gamma_{\alpha\mu}^{\mu}\Gamma^{\alpha\beta}_{\beta}+\frac{1}{3}a_1\Gamma_{\alpha\mu}^{\mu}\Gamma^{\alpha\beta}_{\beta}+\frac{1}{6}a_2\Gamma_{\alpha\mu}^{\mu}\Gamma^{\alpha\beta}_{\beta}$   
 $2a_6\Gamma_{\alpha\mu}^{\mu}\Gamma^{\alpha\beta}_{\beta}+\frac{1}{3}a_9\Gamma_{\alpha\mu}^{\mu}\Gamma^{\alpha\beta}_{\beta}-\frac{1}{8}a_0\Gamma_{\alpha\beta\mu}\Gamma^{\alpha\beta\mu}-a_1\Gamma_{\alpha\beta\mu}\Gamma^{\alpha\beta\mu}+$   
 $\frac{1}{4}a_5\Gamma_{\alpha\beta\mu}\Gamma^{\alpha\beta\mu}+\frac{9}{4}a_7\Gamma_{\alpha\beta\mu}\Gamma^{\alpha\beta\mu}-\frac{1}{2}a_9\Gamma_{\alpha\beta\mu}\Gamma^{\alpha\beta\mu}-\frac{1}{8}a_0\Gamma_{\alpha\beta\mu}\Gamma^{\alpha\beta\mu}-$   
 $\frac{1}{2}a_2\Gamma_{\alpha\beta\mu}\Gamma^{\alpha\beta\mu}+\frac{1}{4}a_5\Gamma_{\alpha\beta\mu}\Gamma^{\alpha\beta\mu}+\frac{1}{4}a_7\Gamma_{\alpha\beta\mu}\Gamma^{\alpha\beta\mu}-\frac{1}{2}a_9\Gamma_{\alpha\beta\mu}\Gamma^{\alpha\beta\mu}-$   
 $\frac{1}{2}a_2\Gamma^{\alpha\beta\mu}\Gamma_{\beta\alpha\mu}-\frac{1}{2}a_5\Gamma^{\alpha\beta\mu}\Gamma_{\beta\alpha\mu}-\frac{1}{2}a_0\Gamma^{\alpha\beta\mu}\Gamma_{\beta\alpha\mu}+a_2\Gamma^{\alpha\beta\mu}\Gamma_{\beta\alpha\mu}-$   
 $a_5\Gamma^{\alpha\beta\mu}\Gamma_{\beta\alpha\mu}+\frac{1}{2}a_9\Gamma^{\alpha\beta\mu}\Gamma_{\beta\alpha\mu}+\frac{1}{12}a_0\Gamma^{\alpha\beta}\Gamma_{\beta\mu}^{\mu}-\frac{2}{3}a_1\Gamma^{\alpha\beta}\Gamma_{\beta\mu}^{\mu}-$   
 $\frac{1}{3}a_2\Gamma^{\alpha\beta}\Gamma_{\beta\mu}^{\mu}+\frac{1}{2}a_5\Gamma^{\alpha\beta}\Gamma_{\beta\mu}^{\mu}+\frac{1}{2}a_7\Gamma^{\alpha\beta}\Gamma_{\beta\mu}^{\mu}-\frac{1}{2}a_9\Gamma^{\alpha\beta}\Gamma_{\beta\mu}^{\mu}+$   
 $\frac{1}{12}a_0\Gamma^{\alpha\beta\mu}_{\alpha}\Gamma_{\beta\mu}^{\mu}+\frac{1}{2}a_5\Gamma^{\alpha\beta\mu}_{\alpha}\Gamma_{\beta\mu}^{\mu}+\frac{1}{2}a_7\Gamma^{\alpha\beta\mu}_{\alpha}\Gamma_{\beta\mu}^{\mu}-\frac{1}{6}a_9\Gamma^{\alpha\beta\mu}_{\alpha}\Gamma_{\beta\mu}^{\mu}+$   
 $a_1\Gamma^{\alpha\beta\mu}\Gamma_{\mu\beta\alpha}-\frac{1}{2}a_5\Gamma^{\alpha\beta\mu}\Gamma_{\mu\beta\alpha}+\frac{1}{2}a_9\Gamma^{\alpha\beta\mu}\Gamma_{\mu\beta\alpha}+\frac{1}{6}a_0\Gamma^{\alpha\beta}\Gamma_{\mu\beta}^{\mu}-$   
 $a_7\Gamma^{\alpha\beta}\Gamma_{\mu\beta}^{\mu}+\frac{1}{6}a_9\Gamma^{\alpha\beta}\Gamma_{\mu\beta}^{\mu}-\frac{1}{2}a_7\Gamma^{\alpha\beta}_{\alpha}\Gamma_{\mu\beta}^{\mu}+\frac{1}{3}a_1\Gamma^{\alpha\beta}\Gamma_{\mu\beta}^{\mu}+$   
 $\frac{1}{6}a_2\Gamma^{\alpha\beta}\Gamma_{\mu\beta}^{\mu}-\frac{1}{2}a_7\Gamma^{\alpha\beta}\Gamma_{\mu\beta}^{\mu}+\frac{1}{6}a_9\Gamma^{\alpha\beta}\Gamma_{\mu\beta}^{\mu}-\frac{1}{2}a_0\Gamma^{\alpha\beta\mu}\partial_{\beta}h_{\alpha\mu}-$   
 $\frac{1}{4}a_0\Gamma^{\alpha\beta}\partial_{\beta}h_{\mu}^{\mu}+\frac{1}{4}a_0\Gamma^{\alpha\beta}_{\alpha}\partial_{\beta}h_{\mu}^{\mu}-\frac{1}{4}a_0h^{\mu}_{\mu}\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}+\frac{1}{4}a_0h^{\mu}_{\mu}\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}+\frac{1}{4}a_0h^{\mu}_{\mu}\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}-$   
 $\frac{1}{4}a_0h^{\mu}_{\mu}\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}-\frac{1}{2}a_0h_{\alpha\mu}\partial_{\beta}\Gamma^{\alpha\beta\mu}+\frac{1}{4}a_0h^{\alpha\beta}\partial_{\beta}\partial_{\alpha}h^{\mu}_{\mu}-$   
 $\frac{1}{8}a_0\partial_{\beta}h^{\mu\mu}\partial^{\beta}h^{\alpha}_{\alpha}+\frac{1}{2}a_0\Gamma^{\alpha\beta}_{\alpha}\partial_{\mu}h^{\mu}_{\beta}+\frac{1}{2}a_0\partial^{\beta}h^{\alpha}_{\alpha}\partial_{\mu}h^{\mu}_{\beta}-$   
 $\frac{1}{2}a_0h^{\alpha\beta}\partial_{\alpha}\partial_{\beta}h^{\mu}_{\mu}+\frac{1}{2}a_0h^{\alpha}_{\alpha}\partial_{\mu}\partial_{\beta}h^{\beta\mu}+\frac{1}{4}a_0h^{\alpha\beta}\partial_{\mu}\partial^{\mu}h_{\alpha\beta}-$   
 $\frac{1}{4}a_0h^{\alpha}_{\alpha}\partial_{\mu}\partial^{\mu}h_{\beta}^{\beta}-\frac{1}{4}a_0\partial_{\beta}h_{\alpha\mu}\partial^{\mu}h^{\alpha\beta}+\frac{1}{8}a_0\partial_{\mu}h_{\alpha\beta}\partial^{\mu}h^{\alpha\beta}+$   
 $\frac{1}{2}a_0h_{\beta\mu}\partial^{\mu}\Gamma^{\alpha\beta}_{\alpha}+c_{13}\partial_{\mu}\Gamma^{\alpha\beta}_{\mu\nu}\partial^{\mu}\Gamma^{\alpha\beta}_{\beta}-c_{13}\partial_{\mu}\Gamma^{\alpha\beta}_{\alpha}\partial^{\mu}\Gamma^{\alpha\beta}_{\beta}$

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

	$\Gamma_{0^+}^{\#1}$	$\Gamma_{0^+}^{\#2}$	$\Gamma_{0^+}^{\#3}$	$\Gamma_{0^+}^{\#4}$	$h_{0^+}^{\#1}$	$h_{0^+}^{\#2}$	$\Gamma_{0^+}^{\#1}$
$\Gamma_{0^+}^{\#1} \uparrow$	0	0	0	0	0	0	0
$\Gamma_{0^+}^{\#2} \uparrow$	0	$\frac{1}{4} (-3a_0-2(a_5+4a_6-7a_7))$	$a_5-2a_6-a_7$	$-\frac{3a_0+2(a_5-8a_6+5a_7)}{4\sqrt{2}}$	0	0	0
$\Gamma_{0^+}^{\#3} \uparrow$	0	$a_5-2a_6-a_7$	$\frac{1}{4} (-3a_0-2(a_5+4a_6-7a_7))$	$-\frac{3a_0+2(a_5-8a_6+5a_7)}{4\sqrt{2}}$	0	0	0
$\Gamma_{0^+}^{\#4} \uparrow$	0	$-\frac{3a_0+2(a_5-8a_6+5a_7)}{4\sqrt{2}}$	$-\frac{3a_0+2(a_5-8a_6+5a_7)}{4\sqrt{2}}$	$\frac{1}{4} (-3a_0+2(a_5-8a_6+5a_7))$	0	0	0
$h_{0^+}^{\#1} \uparrow$	0	0	0	0	$\frac{a_0k^2}{4}$	0	0
$h_{0^+}^{\#2} \uparrow$	0	0	0	0	0	0	0
$\Gamma_{0^+}^{\#1} \uparrow$	0	0	0	0	0	$-\frac{a_0}{2}-2a_1+2a_2$	

	$\Delta_{0^+}^{\#1}$	$\Delta_{0^+}^{\#2}$	$\Delta_{0^+}^{\#3}$	$\Delta_{0^+}^{\#4}$	$\mathcal{T}_{0^+}^{\#1}$	$\mathcal{T}_{0^+}^{\#2}$	$\Delta_{0^+}^{\#1}$
$\Delta_{0^+}^{\#1} \uparrow$	0	0	0	0	0	0	0
$\Delta_{0^+}^{\#2} \uparrow$	0	$-\frac{2}{3(a_0+2a_5-6a_7)} - \frac{1}{6a_0-4(a_5-8a_6+5a_7)}$	$\frac{2}{3(a_0+2a_5-6a_7)} - \frac{1}{6a_0-4(a_5-8a_6+5a_7)}$	$-\frac{1}{\sqrt{2}(3a_0-2(a_5-8a_6+5a_7))}$	0	0	0
$\Delta_{0^+}^{\#3} \uparrow$	0	$\frac{2}{3(a_0+2a_5-6a_7)} - \frac{1}{6a_0-4(a_5-8a_6+5a_7)}$	$-\frac{2}{3(a_0+2a_5-6a_7)} - \frac{1}{6a_0-4(a_5-8a_6+5a_7)}$	$-\frac{1}{\sqrt{2}(3a_0-2(a_5-8a_6+5a_7))}$	0	0	0
$\Delta_{0^+}^{\#4} \uparrow$	0	$-\frac{1}{\sqrt{2}(3a_0-2(a_5-8a_6+5a_7))}$	$-\frac{1}{\sqrt{2}(3a_0-2(a_5-8a_6+5a_7))}$	$-\frac{1}{3a_0+2(a_5-8a_6+5a_7)}$	0	0	0
$\mathcal{T}_{0^+}^{\#1} \uparrow$	0	0	0	0	$\frac{4}{a_0k^2}$	0	0
$\mathcal{T}_{0^+}^{\#2} \uparrow$	0	0	0	0	0	0	0
$\Delta_{0^+}^{\#1} \uparrow$	0	0	0	0	0	0	$-\frac{2}{a_0+4a_1-4a_2}$

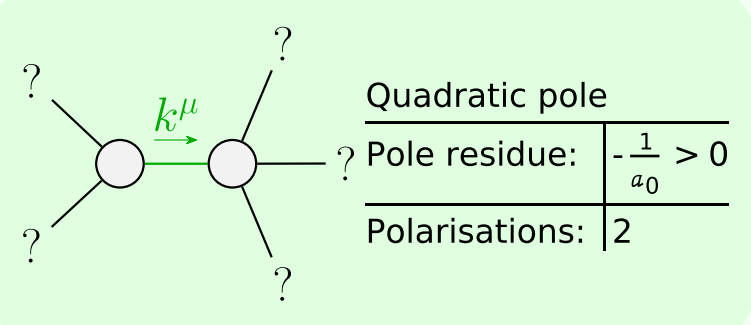
Source constraints	SO(3) irreps	#
$\mathcal{T}_{0^+}^{\#1} = 0$	$\Delta_{0^+}^{\#1} + 3\Delta_{0^+}^{\#2} = 2\Delta_{0^+}^{\#4}$	1
$\Delta_{0^+}^{\#1} = 0$	$\Delta_{0^+}^{\#1} = 0$	1
$\mathcal{T}_{0^+}^{\#1} = 0$	$2(\Delta_{0^+}^{\#1} + \Delta_{0^+}^{\#2}) = \Delta_{0^+}^{\#4} + \Delta_{0^+}^{\#3}$	3
Total #:		12

$\Gamma_{\frac{1}{2}^+}^{\#1} \uparrow^{a\beta\chi}$ 
 $\Gamma_{\frac{1}{2}^+}^{\#1} \chi_{a\beta\chi}$

$\Delta_{\frac{1}{2}^+}^{\#1} \uparrow^{a\beta\chi}$ 
 $\Delta_{\frac{1}{2}^+}^{\#1} a\beta\chi$

	$\Delta_{\frac{1}{2}^+}^{\#1} a\beta$	$\Delta_{\frac{1}{2}^+}^{\#2} a\beta$	$\Delta_{\frac{1}{2}^+}^{\#3} a\beta$	$\mathcal{T}_{\frac{1}{2}^+}^{\#1} a\beta$	$\Delta_{\frac{1}{2}^+}^{\#1} a\beta\chi$
$\Delta_{\frac{1}{2}^+}^{\#1} \uparrow^{a\beta}$	$\frac{4(2a_1+a_2-2a_5-6a_7+2a_9)}{2(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	0	$\frac{4(2a_1+a_2+ag)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	0	0
$\Delta_{\frac{1}{2}^+}^{\#2} \uparrow^{a\beta}$	0	$-\frac{4}{3(a_0+2a_5-6a_7)}$	0	0	0
$\Delta_{\frac{1}{2}^+}^{\#3} \uparrow^{a\beta}$	$-\frac{4(2a_1+a_2+ag)}{\sqrt{3}(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	0	$-\frac{4(a_0-2a_1-a_2)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	0	0
$\mathcal{T}_{\frac{1}{2}^+}^{\#1} a\beta$	0	0	0	0	0
$\Delta_{\frac{1}{2}^+}^{\#1} \uparrow^{a\beta\chi}$	$-\frac{4(2a_1+a_2+ag)}{\sqrt{3}(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	0	$-\frac{4(a_0-2a_1-a_2)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	0	0
$\Delta_{\frac{1}{2}^+}^{\#2} \uparrow^{a\beta\chi}$	0	0	0	0	0
$\mathcal{T}_{\frac{1}{2}^+}^{\#1} a\beta\chi$	0	0	0	0	0
$\Delta_{\frac{1}{2}^+}^{\#1} \uparrow^{a\beta\chi}$	0	0	0	0	0

Massive particle	
Pole residue:	$\frac{1}{4c_{13}} > 0$
Polarisations:	3
Square mass:	$\frac{-3a_0+2(a_5-8a_6+5a_7)}{8c_{13}} > 0$
Spin:	1
Parity:	Odd



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

Unitarity conditions

$a_0 < 0$  &&  $a_7 > \frac{1}{10} (3a_0-2a_5+16a_6)$  &&  $c_{13} > 0$