

	$\Delta_{1^+ a\beta}^{ \#1}$	$\Delta_{1^+ a\beta}^{ \#2}$	$\Delta_{1^+ a\beta}^{ \#3}$	$\Delta_{1^+ \alpha}^{ \#1}$	$\Delta_{1^+ \alpha}^{ \#2}$	$\Delta_{1^+ \alpha}^{ \#3}$	$\Delta_{1^+ \alpha}^{ \#4}$	$\Delta_{1^+ \alpha}^{ \#5}$	$\Delta_{1^+ \alpha}^{ \#6}$	$\mathcal{T}_{1^+ \alpha}^{ \#1}$
$\Delta_{1^+ \uparrow}^{ \#1} +^{a\beta}$	$\frac{4}{3} (-\frac{1}{a_0+4a_1-4a_2} - \frac{2(a_1+a_2-2a_5-6a_7+2a_9)}{2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9)})$	$\frac{2}{3} \sqrt{2} (-\frac{1}{a_0+4a_1-4a_2} - \frac{2(2a_1+a_2-2a_5-6a_7+2a_9)}{2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9)})$	$-\frac{4(2a_1+a_2+ag)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	0	0	0	0	0	0	0
$\Delta_{1^+ \uparrow}^{ \#2} +^{a\beta}$	$\frac{2}{3} \sqrt{2} (-\frac{1}{a_0+4a_1-4a_2} - \frac{2(2a_1+a_2-2a_5-6a_7+2a_9)}{2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9)})$	$-\frac{2}{3(a_0+4a_1-4a_2)} + \frac{8(2a_1+a_2-2a_5-6a_7+2a_9)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$\frac{4\sqrt{2}(2a_1+a_2+ag)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	0	0	0	0	0	0	0
$\Delta_{1^+ \uparrow}^{ \#3} +^{a\beta}$	$-\frac{4(2a_1+a_2+ag)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$\frac{4\sqrt{2}(2a_1+a_2+ag)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$-\frac{4(a_0-2a_1-a_2)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	0	0	0	0	0	0	0
$\Delta_{1^+ \uparrow}^{ \#1} +^{\alpha}$	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	$\frac{4\sqrt{\frac{2}{3}}(2a_1+a_2+ag)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$\frac{4(2a_1+a_2+ag)}{3\sqrt{3}(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	0
$\Delta_{1^+ \uparrow}^{ \#2} +^{\alpha}$	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	$-\frac{8(2a_1+a_2+ag)}{3\sqrt{3}(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$-\frac{4\sqrt{\frac{2}{3}}(2a_1+a_2+ag)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	0
$\Delta_{1^+ \uparrow}^{ \#3} +^{\alpha}$	0	0	0	0	0	$-\frac{10}{9(a_0+2a_5-6a_7)} - \frac{1}{6(3a_0-2(a_5-8a_6+5a_7-4c_{13}k^2))}$	$\frac{1}{18} \sqrt{5} (-\frac{4}{a_0+2a_5-6a_7} - \frac{3}{3a_0-2a_5+16a_6-10a_7+8c_{13}k^2})$	$-\frac{1}{\sqrt{2}(9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2))}$	$-\frac{1}{9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2)}$	0
$\Delta_{1^+ \uparrow}^{ \#4} +^{\alpha}$	0	0	0	0	0	$-\frac{2}{9(a_0+2a_5-6a_7)} - \frac{5}{6(3a_0-2(a_5-8a_6+5a_7-4c_{13}k^2))}$	$-\frac{\sqrt{\frac{5}{2}}}{9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2)}$	$-\frac{\sqrt{\frac{5}{2}}}{9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2)}$	$-\frac{\sqrt{5}}{9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2)}$	0
$\Delta_{1^+ \uparrow}^{ \#5} +^{\alpha}$	0	0	0	$-\frac{4\sqrt{\frac{2}{3}}(2a_1+a_2+ag)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$-\frac{8(2a_1+a_2+ag)}{3\sqrt{3}(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$-\frac{1}{\sqrt{2}(9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2))}$	$-\frac{\sqrt{\frac{5}{2}}}{9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2)}$	$\frac{8(a_0+2a_1+a_2)}{9(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))} - \frac{1}{9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2)}$	$(\sqrt{2}(12a_0^2-3a_3^2-a_0(30a_1+15a_2+2a_5-64a_6+22a_7+6a_9-32c_{13}k^2)+2(2a_1+a_2)(a_5-32a_6+11a_7-16c_{13}k^2)))/(9(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))(3a_0-2(a_5-8a_6+5a_7-4c_{13}k^2)))$	0
$\Delta_{1^+ \uparrow}^{ \#6} +^{\alpha}$	0	0	0	$\frac{4(2a_1+a_2+ag)}{3\sqrt{3}(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$\frac{4\sqrt{\frac{2}{3}}(2a_1+a_2+ag)}{3(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))}$	$-\frac{1}{9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2)}$	$-\frac{\sqrt{5}}{9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2)}$	$(\sqrt{2}(12a_0^2-3a_3^2-a_0(30a_1+15a_2+2a_5-64a_6+22a_7+6a_9-32c_{13}k^2)+2(2a_1+a_2)(a_5-32a_6+11a_7-16c_{13}k^2)))/(9(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))(3a_0-2(a_5-8a_6+5a_7-4c_{13}k^2)))$	$-\frac{-4a_0+8a_3+4a_2}{9(2(2a_1+a_2)(a_5+3a_7)+a_9^2+a_0(2a_1+a_2-2a_5-6a_7+2a_9))} - \frac{2}{9a_0-6(a_5-8a_6+5a_7-4c_{13}k^2)}$	0
$\mathcal{T}_{1^+ \uparrow}^{ \#1} +^{\alpha}$	0	0	0	0	0	0	0	0	0	0

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

Lagrangian density	
$-\frac{1}{3}a_0\Gamma_{\alpha\mu}^{\mu}\Gamma^{\alpha\beta}_{\beta}+\frac{1}{3}a_1\Gamma_{\alpha\mu}^{\mu}\Gamma^{\alpha\beta}_{\beta}+\frac{1}{6}a_2\Gamma_{\alpha\mu}^{\mu}\Gamma^{\alpha\beta}_{\beta}$ $2a_6\Gamma_{\alpha\mu}^{\mu}\Gamma^{\alpha\beta}_{\beta}+\frac{1}{3}a_9\Gamma_{\alpha\mu}^{\mu}\Gamma^{\alpha\beta}_{\beta}-\frac{1}{8}a_0\Gamma_{a\beta\mu}^{\mu}-a_1\Gamma_{a\beta\mu}^{\mu}\Gamma^{\alpha\beta\mu}_{\mu}+$ $\frac{1}{4}a_5\Gamma_{a\beta\mu}^{\mu}\Gamma^{\alpha\beta\mu}_{\mu}+\frac{9}{4}a_7\Gamma_{a\beta\mu}^{\mu}\Gamma^{\alpha\beta\mu}_{\mu}-\frac{1}{2}a_9\Gamma_{a\beta\mu}^{\mu}\Gamma^{\alpha\beta\mu}_{\mu}-\frac{1}{8}a_0\Gamma_{a\mu\beta}^{\mu}\Gamma^{\alpha\beta\mu}_{\mu}$ $\frac{1}{2}a_2\Gamma_{a\mu\beta}^{\mu}\Gamma^{\alpha\beta\mu}_{\mu}+\frac{1}{4}a_5\Gamma_{a\mu\beta}^{\mu}\Gamma^{\alpha\beta\mu}_{\mu}+\frac{9}{4}a_7\Gamma_{a\mu\beta}^{\mu}\Gamma^{\alpha\beta\mu}_{\mu}-\frac{1}{2}a_9\Gamma_{a\mu\beta}^{\mu}\Gamma^{\alpha\beta\mu}_{\mu}$ $\frac{1}{2}a_2\Gamma^{\alpha\beta\mu}_{\beta\mu\alpha}-\frac{1}{2}a_5\Gamma^{\alpha\beta\mu}_{\beta\mu\alpha}-\frac{1}{2}a_0\Gamma^{\alpha\beta\mu}_{\beta\mu\alpha}+a_2\Gamma^{\alpha\beta\mu}_{\beta\mu\alpha}-$ $a_5\Gamma^{\alpha\beta\mu}_{\beta\mu\alpha}+\frac{1}{2}a_9\Gamma^{\alpha\beta\mu}_{\beta\mu\alpha}+\frac{1}{12}a_0\Gamma^{\alpha\beta}_{\beta\mu\mu}-\frac{2}{3}a_1\Gamma^{\alpha\beta}_{\beta\mu\mu}-$ $\frac{1}{3}a_2\Gamma^{\alpha\beta}_{\beta\mu\mu}+\frac{1}{2}a_5\Gamma^{\alpha\beta}_{\beta\mu\mu}+\frac{1}{2}a_7\Gamma^{\alpha\beta}_{\beta\mu\mu}-\frac{1}{2}a_9\Gamma^{\alpha\beta}_{\beta\mu\mu}+$ $\frac{1}{12}a_0\Gamma^{\alpha\beta}_{\alpha\beta\mu\mu}+\frac{1}{2}a_5\Gamma^{\alpha\beta}_{\alpha\beta\mu\mu}+\frac{1}{2}a_7\Gamma^{\alpha\beta}_{\alpha\beta\mu\mu}-\frac{1}{6}a_9\Gamma^{\alpha\beta}_{\alpha\beta\mu\mu}+$ $a_1\Gamma^{\alpha\beta\mu\mu}_{\mu\beta\alpha}-\frac{1}{2}a_5\Gamma^{\alpha\beta\mu\mu}_{\mu\beta\alpha}+\frac{1}{2}a_9\Gamma^{\alpha\beta\mu\mu}_{\mu\beta\alpha}+\frac{1}{6}a_0\Gamma^{\alpha\beta}_{\mu\beta\mu}-$ $a_7\Gamma^{\alpha\beta}_{\mu\beta\mu}+\frac{1}{6}a_9\Gamma^{\alpha\beta}_{\mu\beta\mu}-\frac{1}{2}a_7\Gamma^{\alpha\beta}_{\alpha\beta\mu\mu}+\frac{1}{3}a_1\Gamma^{\alpha\beta}_{\alpha\beta\mu\mu}+$ $\frac{1}{6}a_2\Gamma^{\alpha\beta}_{\mu\mu\beta}-\frac{1}{2}a_7\Gamma^{\alpha\beta}_{\mu\mu\beta}+\frac{1}{6}a_9\Gamma^{\alpha\beta}_{\mu\mu\beta}-\frac{1}{2}a_0\Gamma^{\alpha\beta\mu\mu}_{\beta\beta\mu\mu}-$ $\frac{1}{4}a_0\Gamma^{\alpha\beta}_{\alpha\beta}\partial_{\beta}h^{\mu\mu}_{\mu}+\frac{1}{4}a_0\Gamma^{\alpha\beta}_{\alpha}\partial_{\beta}h^{\mu\mu}_{\mu}-\frac{1}{4}a_0h^{\mu}_{\mu}\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}+$ $\frac{1}{4}a_0h^{\mu}_{\mu}\partial_{\beta}\Gamma^{\alpha\beta}_{\alpha}-\frac{1}{2}a_0h_{a\mu}\partial_{\beta}\Gamma^{\alpha\beta\mu}_{\mu}+\frac{1}{4}a_0h^{\alpha\beta}\partial_{\beta}\partial_{\alpha}h^{\mu}_{\mu}-$ $\frac{1}{8}a_0\partial_{\beta}h^{\mu}_{\mu}\partial^{\beta}h^{\alpha}_{\alpha}+\frac{1}{2}a_0\Gamma^{\alpha\beta}_{\alpha}\partial_{\mu}h^{\mu\mu}_{\mu}+\frac{1}{4}a_0\partial^{\beta}h^{\alpha}_{\alpha}\partial_{\mu}h^{\mu}_{\mu}-$ $\frac{1}{2}a_0h^{\alpha\beta}\partial_{\mu}\partial_{\beta}h^{\mu}_{\mu}+\frac{1}{4}a_0h^{\alpha}_{\alpha}\partial_{\mu}\partial_{\beta}h^{\beta\mu}_{\mu}+\frac{1}{4}a_0h^{\alpha\beta}\partial_{\mu}\partial^{\mu}h_{a\beta}-$ $\frac{1}{4}a_0h^{\alpha}_{\alpha}\partial_{\mu}\partial^{\mu}h^{\mu}_{\beta}-\frac{1}{4}a_0\partial_{\beta}h_{a\mu}\partial^{\mu}h^{\beta\mu}_{\mu}+\frac{1}{8}a_0\partial_{\mu}h_{a\beta}\partial^{\mu}h^{\alpha\beta}_{\alpha}+$ $\frac{1}{2}a_0h_{\beta\mu}\partial^{\mu}\Gamma^{\alpha\beta}_{\alpha}+c_{13}\partial_{\mu}^{\nu}\partial^{\mu}\Gamma^{\alpha\beta}_{\beta}-c_{13}\partial_{\mu}\Gamma^{\nu}_{\nu}\partial^{\mu}\Gamma^{\alpha\beta}_{\beta}$	
Added source term:	$ h^{\alpha\beta}\mathcal{T}_{\alpha\beta}+\Gamma^{a\beta\chi}\Delta_{a\beta\chi}$

$\Gamma_{1^+ a\beta}^{ \#1}$	$\Gamma_{1^+ a\beta}^{ \#2}$	$\Gamma_{1^+ a\beta}^{ \#3}$	$\Gamma_{1^+ a\beta}^{ \#4}$	$h_{1^+ a\beta}^{ \#1}$	$\Gamma_{1^+ a\beta\chi}^{ \#1}$	$\Gamma_{1^+ a\beta\chi}^{ \#2}$
$\Gamma_{1^+ \uparrow}^{ \#1} +^{a\beta}$	0	0	0	0	0	0
$\Gamma_{1^+ \uparrow}^{ \#2} +^{a\beta}$	0	$\frac{1}{4}(-3a_0-2(a_5+4a_6-7a_1))$	0	0	0	0
$\Gamma_{1^+ \uparrow}^{ \#3} +^{a\beta}$	0	$-\frac{3}{4}(a_0+2a_5-6a_7)$	$-\frac{3}{4}(a_0+2a_5-6a_7)$	0	0	0
$\Gamma_{1^+ \uparrow}^{ \#4} +^{a\beta}$	0	$\frac{1}{4}\sqrt{3}(2a_1+a_2+a_9)$	$-\frac{3}{4}(2a_1+a_2-2a_5-6a_7+2a_9)$	0	0	0
$\Gamma_{1^+ \uparrow}^{ \#5} +^{a\beta}$	0	0	0	0	0	0
$\Gamma_{1^+ \uparrow}^{ \#6} +^{a\beta}$	0	0	0	0	0	0
$\Gamma_{1^+ \uparrow}^{ \#7} +^{a\beta\chi}$	0	0	0	0	0	0

$\Gamma_{0^+}^{\#1}$	$\Gamma_{0^+}^{\#2}$	$\Gamma_{0^+}^{\#3}$	$\Gamma_{0^+}^{\#4}$	$h_{0^+}^{\#1}$	$h_{0^+}^{\#2}$	$\Gamma_{0^+}^{\#1}$
$\Gamma_{0^+ \uparrow}^{\#1}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#2}$	$\frac{1}{4}(-3a_0-2(a_5+4a_6-7a_1))$	$a_5-2a_6-a_7$	$\frac{-3a_4+2(a_5-8a_6+5a_7)}{4\sqrt{2}}$	0	0	0
$\Gamma_{0^+ \uparrow}^{\#3}$	0	$a_5-2a_6-a_7$	$\frac{1}{4}(-3a_0-2(a_5+4a_6-7a_1))$	$\frac{-3a_4+2(a_5-8a_6+5a_7)}{4\sqrt{2}}$	0	0
$\Gamma_{0^+ \uparrow}^{\#4}$	$\frac{-3a_4+2(a_5-8a_6+5a_7)}{4\sqrt{2}}$	$a_5-2a_6-a_7$	$\frac{1}{4}(-3a_0-2(a_5+4a_6-7a_1))$	0	0	0
$\Gamma_{0^+ \uparrow}^{\#5}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#6}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#7}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#8}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#9}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#10}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#11}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#12}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#13}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#14}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#15}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#16}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#17}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#18}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#19}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#20}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#21}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#22}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#23}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#24}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#25}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#26}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#27}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#28}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#29}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#30}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#31}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#32}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#33}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#34}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#35}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#36}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#37}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#38}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#39}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#40}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#41}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#42}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#43}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#44}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#45}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#46}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#47}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#48}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#49}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#50}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#51}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#52}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#53}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#54}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#55}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#56}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#57}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#58}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#59}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#60}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#61}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#62}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#63}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#64}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#65}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#66}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#67}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#68}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#69}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#70}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#71}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#72}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#73}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#74}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#75}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#76}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#77}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#78}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#79}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#80}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#81}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#82}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#83}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#84}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#85}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#86}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#87}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#88}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#89}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#90}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#91}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#92}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#93}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#94}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#95}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#96}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#97}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#98}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#99}$	0	0	0	0	0	0
$\Gamma_{0^+ \uparrow}^{\#100}$	0	0	0	0	0	0