

Wave operator and propagator

	$\Delta_{1^+a\beta}^{\#1}$	$\Delta_{1^+a\beta}^{\#2}$	$\Delta_{1^+a\beta}^{\#3}$	$\Delta_{1^+a}^{\#1}$	$\Delta_{1^+a}^{\#2}$	$\Delta_{1^+a}^{\#3}$	$\Delta_{1^+a}^{\#4}$	$\Delta_{1^+a}^{\#5}$	$\Delta_{1^+a}^{\#6}$	$\mathcal{T}_{1^+a}^{\#1}$
$\Delta_{1^+1^+a\beta}^{\#1}$	$\frac{4}{3}(-\frac{1}{a_0+4a_1-4a_2}+(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)/$ $(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	$\frac{2}{3}\sqrt{2}(-\frac{1}{a_0+4a_1-4a_2}+(-2a_0+8a_1+4a_2+6a_3-32a_6+8a_7+4a_9)/$ $(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	$\frac{4(2a_1+a_2+a_9)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	0	0	0	0	0	0	0
$\Delta_{1^+1^+a\beta}^{\#2}$	$\frac{2}{3}\sqrt{2}(-\frac{1}{a_0+4a_1-4a_2}+(-2a_0+8a_1+4a_2+6a_3-32a_6+8a_7+4a_9)/$ $(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	$-\frac{2}{3(a_0+4a_1-4a_2)}+(8(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9))/$ $(3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	$-\frac{((4\sqrt{2}(2a_1+a_2+a_9))}{(3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))}$	0	0	0	0	0	0	0
$\Delta_{1^+1^+a\beta}^{\#3}$	$\frac{4(2a_1+a_2+a_9)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	$-\frac{((4\sqrt{2}(2a_1+a_2+a_9))}{(3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))}$	$\frac{4(a_0-2a_1-a_2)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	0	0	0	0	0	0	0
$\Delta_{1^+1^+a}^{\#1}$	0	0	0	$\frac{4}{3}(-\frac{2}{2a_0+2a_1+a_2+3a_3}+(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)/$ $(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	$\frac{4(\sqrt{2}(3a_0^2-4a_1^2-a_2^2-3a_3(3a_3+4(-4a_6+a_7))-$ $6a_3a_9-a_9^2-2a_2(3a_3+a_9)-4a_1(a_2+3a_3+a_9)-$ $6a_0(2a_1+a_2+a_3-8a_6+2a_7+a_9)))}{(3(2a_0+2a_1+a_2+3a_3)-$ $(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))}$	0	0	$\frac{4\sqrt{\frac{2}{3}}(2a_1+a_2+a_9)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	$\frac{-((4(2a_1+a_2+a_9))/}{(3\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))}$	0
$\Delta_{1^+1^+a}^{\#2}$	0	0	0	$\frac{(4\sqrt{2}(3a_0^2-4a_1^2-a_2^2-3a_3(3a_3+4(-4a_6+a_7))-$ $6a_3a_9-a_9^2-2a_2(3a_3+a_9)-4a_1(a_2+3a_3+a_9)-$ $6a_0(2a_1+a_2+a_3-8a_6+2a_7+a_9)))}{(3(2a_0+2a_1+a_2+3a_3)-$ $(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))}$	$-\frac{2^4}{3(2a_0+2a_1+a_2+3a_3)}+(8(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9))/$ $(3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))$	0	0	$\frac{(8(2a_1+a_2+a_9))/}{(3\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))}$	$\frac{-((4\sqrt{\frac{2}{3}}(2a_1+a_2+a_9))/}{(3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))}$	0
$\Delta_{1^+1^+a}^{\#3}$	0	0	0	0	0	$-\frac{5}{18(a_0+4a_6-4a_7)}$	$-\frac{\sqrt{5}}{18(a_0+4a_6-4a_7)}$	0	0	0
$\Delta_{1^+1^+a}^{\#4}$	0	0	0	0	0	$\frac{\sqrt{5}}{18(a_0+4a_6-4a_7)}$	$-\frac{1}{-18(a_0+4a_6)+72a_7}$	0	0	0
$\Delta_{1^+1^+a}^{\#5}$	0	0	0	0	0	$\frac{4\sqrt{\frac{2}{3}}(2a_1+a_2+a_9)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	$\frac{(8(2a_1+a_2+a_9))/}{(3\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)-$ $a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)))}$	0	0	$\frac{8(a_0-2a_1-a_2)}{9(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$
$\Delta_{1^+1^+a}^{\#6}$	0	0	0	0	0	$\frac{4\sqrt{2}(a_0+2a_1+a_2)}{9(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	$\frac{4\sqrt{2}(a_0+2a_1+a_2)}{9(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	0	0	$\frac{4(a_0-2a_1-a_2)}{9(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$
$\mathcal{T}_{1^+1^+a}^{\#1}$	0	0	0	0	0	0	0	0	0	0

	$\Gamma_{1^+a\beta}^{\#1}$	$\Gamma_{1^+a\beta}^{\#2}$	$\Gamma_{1^+a\beta}^{\#3}$	$\Gamma_{1^+a}^{\#1}$	$\Gamma_{1^+a}^{\#2}$	$\Gamma_{1^+a}^{\#3}$	$\Gamma_{1^+a}^{\#4}$	$\Gamma_{1^+a}^{\#5}$	$\Gamma_{1^+a}^{\#6}$	$h_{1^+a}^{\#1}$
$\Gamma_{1^+1^+a\beta}^{\#1}$	$\frac{1}{2}(-a_0-6a_1+5a_2)$	$-\frac{a_0+2a_1-3a_2}{2\sqrt{2}}$	$\frac{1}{4}(-2a_1-a_2-a_9)$						0	0
$\Gamma_{1^+1^+a\beta}^{\#2}$	$-\frac{a_0+2a_1-3a_2}{2\sqrt{2}}$	$\frac{1}{2}(-2a_1+a_2)$	$\frac{2a_1+a_2+a_9}{2\sqrt{2}}$	0	0	0	0	0	0	0
$\Gamma_{1^+1^+a\beta}^{\#3}$	$\frac{1}{4}(-2a_1-a_2-a_9)$	$\frac{2a_1+a_2+a_9}{2\sqrt{2}}$	$\frac{3}{4}(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)$	0	0	0	0	0	0	0
$\Gamma_{1^+1^+a}^{\#1}$	0	0	0	$\frac{1}{4}(-a_0-2a_1-a_2-2a_3)$	$\frac{a_0+a_3}{2\sqrt{2}}$	0	0	$-\frac{2a_1+a_2+a_9}{2\sqrt{2}}$	$\frac{2a_1+a_2+a_9}{4\sqrt{3}}$	0
$\Gamma_{1^+1^+a}^{\#2}$	0	0	0		$\frac{1}{4}(-2a_1-a_2-a_3)$	0	0	$-\frac{2a_1+a_2+a_9}{2\sqrt{3}}$	$\frac{2a_1+a_2+a_9}{2\sqrt{6}}$	0
$\Gamma_{1^+1^+a}^{\#3}$	0	0	0	0	0	$-\frac{5}{2}(a_0+4a_6-4a_7)$	$\frac{1}{2}\sqrt{5}(a_0+4a_6-4a_7)$	0	0	0
$\Gamma_{1^+1^+a}^{\#4}$	0	0	0	0	0	$\frac{1}{2}\sqrt{5}(a_0+4a_6-4a_7)$	$-\frac{a_0}{2}-2a_6+2a_7$	0	0	0
$\Gamma_{1^+1^+a}^{\#5}$	0	0	0	$-\frac{2a_1+a_2+a_9}{2\sqrt{6}}$	$-\frac{2a_1+a_2+a_9}{2\sqrt{3}}$	0	0	$\frac{1}{2}(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)$	$\frac{-a_0+4a_1+2a_2+3a_3-16a_6+4a_7+2a_9}{2\sqrt{2}}$	0
$\Gamma_{1^+1^+a}^{\#6}$	0	0	0	$\frac{2a_1+a_2+a_9}{4\sqrt{3}}$	$\frac{2a_1+a_2+a_9}{2\sqrt{6}}$	0	0	$\frac{-a_0+4a_1+2a_2+3a_3-16a_6+4a_7+2a_9}{2\sqrt{2}}$	$\frac{1}{4}(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)$	0
$h_{1^+1^+a}^{\#1}$	0	0	0	0	0	0	0	0	0	0

Quadratic (free) Lagrangian density

$$\begin{aligned} &\frac{2}{3}a_1\Gamma_a^X\Gamma_\beta^{a\beta}+\frac{1}{3}a_2\Gamma_a^X\Gamma_\beta^{a\beta}+\frac{1}{2}a_3\Gamma_a^X\Gamma_\beta^{a\beta}-2a_6\Gamma_a^X\Gamma_\beta^{a\beta}+\\ &\frac{1}{3}a_9\Gamma_a^X\Gamma_\beta^{a\beta}-\frac{1}{\beta}a_0\Gamma_{a\beta X}\Gamma^{a\beta X}-\frac{3}{2}a_1\Gamma_{a\beta X}\Gamma^{a\beta X}-\frac{1}{2}a_2\Gamma_{a\beta X}\Gamma^{a\beta X}-\\ &\frac{3}{4}a_3\Gamma_{a\beta X}\Gamma^{a\beta X}+2a_6\Gamma_{a\beta X}\Gamma^{a\beta X}+a_7\Gamma_{a\beta X}\Gamma^{a\beta X}-\frac{1}{2}a_9\Gamma_{a\beta X}\Gamma^{a\beta X}-\\ &\frac{1}{4}a_0\Gamma_{\alpha\beta X}\Gamma^{a\beta X}-\frac{1}{2}a_1\Gamma_{\alpha\beta X}\Gamma^{a\beta X}-\frac{3}{4}a_2\Gamma_{\alpha\beta X}\Gamma^{a\beta X}-\frac{3}{4}a_3\Gamma_{\alpha\beta X}\Gamma^{a\beta X}+\\ &2a_6\Gamma_{\alpha\beta X}\Gamma^{a\beta X}+a_7\Gamma_{\alpha\beta X}\Gamma^{a\beta X}-\frac{1}{2}a_9\Gamma_{\alpha\beta X}\Gamma^{a\beta X}-\frac{1}{2}a_0\Gamma^{a\beta X}\Gamma_{\beta\alpha X}+\\ &\frac{1}{4}a_1\Gamma^{a\beta X}\Gamma_{\beta\alpha X}-\frac{3}{8}a_2\Gamma^{a\beta X}\Gamma_{\beta\alpha X}+\frac{3}{2}a_3\Gamma^{a\beta X}\Gamma_{\beta\alpha X}-4a_6\Gamma^{a\beta X}\Gamma_{\beta\alpha X}+\\ &\frac{5}{2}a_7\Gamma^{a\beta X}\Gamma_{\beta\alpha X}-\frac{3}{2}a_0\Gamma^{a\beta X}\Gamma_{\beta\alpha X}+\frac{1}{2}a_1\Gamma^{a\beta X}\Gamma_{\beta\alpha X}+\frac{5}{2}a_2\Gamma^{a\beta X}\Gamma_{\beta\alpha X}+\\ &\frac{3}{4}a_3\Gamma^{a\beta X}\Gamma_{\beta\alpha X}-8a_6\Gamma^{a\beta X}\Gamma_{\beta\alpha X}+5a_7\Gamma^{a\beta X}\Gamma_{\beta\alpha X}+\frac{1}{2}a_9\Gamma^{a\beta X}\Gamma_{\beta\alpha X}+\\ &\frac{1}{2}a_0\Gamma_a^\beta\Gamma_\beta^X-a_1\Gamma_a^\beta\Gamma_\beta^X-\frac{1}{2}a_2\Gamma_a^\beta\Gamma_\beta^X-\frac{1}{2}a_3\Gamma_a^\beta\Gamma_\beta^X-a^\beta\Gamma_\beta^X-\\ &4a_6\Gamma_a^\beta\Gamma_\beta^X-\frac{1}{2}a_7\Gamma_a^\beta\Gamma_\beta^X-\frac{1}{2}a_9\Gamma_a^\beta\Gamma_\beta^X+\frac{1}{2}a_0\Gamma_a^\beta\Gamma_\beta^X-\\ &\frac{1}{3}a_1\Gamma_a^\beta\Gamma_\beta^X-\frac{1}{6}a_2\Gamma_a^\beta\Gamma_\beta^X-\frac{1}{2}a_3\Gamma_a^\beta\Gamma_\beta^X+\frac{1}{4}a_6\Gamma_a^\beta\Gamma_\beta^X-\\ &2a_7\Gamma_a^\beta\Gamma_\beta^X-\frac{1}{6}a_9\Gamma_a^\beta\Gamma_\beta^X-\frac{1}{2}a_0\Gamma_a^\beta\Gamma_\beta^X+\frac{5}{4}a_1\Gamma_a^\beta\Gamma_\beta^X+\\ &\frac{1}{8}a_2\Gamma_a^\beta\Gamma_\beta^X+\frac{3}{8}a_3\Gamma_a^\beta\Gamma_\beta^X-4a_6\Gamma_a^\beta\Gamma_\beta^X+\frac{5}{2}a_7\Gamma_a^\beta\Gamma_\beta^X+\\ &\frac{1}{2}a_9\Gamma_a^\beta\Gamma_\beta^X+\frac{1}{2}a_0\Gamma_a^\beta\Gamma_\beta^X+\frac{1}{3}a_1\Gamma_a^\beta\Gamma_\beta^X+\frac{1}{6}a_2\Gamma_a^\beta\Gamma_\beta^X-\\ &\frac{1}{2}a_3\Gamma_a^\beta\Gamma_\beta^X-a_7\Gamma_a^\beta\Gamma_\beta^X+\frac{1}{6}a_9\Gamma_a^\beta\Gamma_\beta^X-\frac{1}{2}a_7\Gamma_a^\beta\Gamma_\beta^X-\\ &\frac{1}{3}a_1\Gamma_a^\beta\Gamma_\beta^X+\frac{1}{6}a_2\Gamma_a^\beta\Gamma_\beta^X-\frac{1}{2}a_7\Gamma_a^\beta\Gamma_\beta^X+\frac{1}{2}a_9\Gamma_a^\beta\Gamma_\beta^X+\\ &\frac{1}{3}a_1\Gamma_a^\beta\Gamma_\beta^X+\frac{1}{6}a_2\Gamma_a^\beta\Gamma_\beta^X-\frac{1}{2}a_7\Gamma_a^\beta\Gamma_\beta^X+\frac{1}{2}a_9\Gamma_a^\beta\Gamma_\beta^X+\\ &h^{a\beta}\mathcal{T}_{a\beta}+\Gamma^{a\beta X}\Delta_{a\beta X}-\frac{1}{2}a_0\Gamma^{a\beta X}\partial_\beta h_{aX}-\frac{1}{4}a_0\Gamma_a^\beta\partial_\beta h^X_X+\\ &\frac{1}{4}a_0\Gamma_a^\beta\partial_\beta h^X_X-\frac{1}{4}a_0h^X_X\partial_\beta\Gamma_a^\beta+\frac{1}{4}a_0h^X_X\partial_\beta\Gamma_a^\beta-\frac{1}{2}a_0h_{aX}\partial_\beta\Gamma^{a\beta X}+\\ &\frac{1}{4}a_0h^{a\beta}\partial_\beta\partial_\beta h^X_X-\frac{1}{8}a_0\partial_\beta h^X_X\partial^\beta h^X_a+\frac{1}{2}a_0\Gamma_a^\beta\partial_\beta h^X_X+\frac{1}{2}a_0\partial^\beta h^X_a\partial_\beta h^X_X-\\ &\frac{1}{2}a_0h^{a\beta}\partial_\beta\partial_\beta h^X_a+\frac{1}{4}a_0h^a_a\partial_\beta\partial_\beta h^{a\beta}+\frac{1}{4}a_0h^{a\beta}\partial_\beta\partial_\beta h_{a\beta}-\frac{1}{4}a_0h^a_a\partial_\beta\partial_\beta h^X_\beta-\\ &\frac{1}{4}a_0\partial_\beta h^X_a\partial^\beta h^{a\beta}+\frac{1}{8}a_0\partial_\beta h_{a\beta}\partial^\beta h^{a\beta}+\frac{1}{2}a_0h_{\beta X}\partial^\beta\Gamma_a^\beta+2a_1\partial_a\Gamma_{\beta X}\partial^\beta\Gamma^{a\beta X}-\\ &2a_1\partial_a\Gamma_{\beta X}\partial^\beta\Gamma^{a\beta X}-2a_1\partial_a\Gamma_{X\beta}\partial^\beta\Gamma^{a\beta X}+2a_1\partial_a\Gamma_{X\beta}\partial^\beta\Gamma^{a\beta X}+\\ &a_1\partial_a\Gamma_{\mu\beta X}\partial^\mu\Gamma^{a\beta X}-a_1\partial_a\Gamma_{\mu\beta X}\partial^\mu\Gamma^{a\beta X}-2a_1\partial_\beta\Gamma_{aX\mu}\partial^\mu\Gamma^{a\beta X}+a_1\partial_\beta\Gamma_{aX\mu}\partial^\mu\Gamma^{a\beta X}-\\ &a_1\partial_\beta\Gamma_{X\mu a}\partial^\mu\Gamma^{a\beta X}+a_1\partial_\beta\Gamma_{a\beta\mu}\partial^\mu\Gamma^{a\beta X}-a_1\partial_\beta\Gamma_{\beta a\mu}\partial^\mu\Gamma^{a\beta X}+2a_1\partial_\beta\Gamma_{\beta a\mu}\partial^\mu\Gamma^{a\beta X}-\\ &a_1\partial_\beta\Gamma_{a\beta X}\partial^\mu\Gamma^{a\beta X}+a_1\partial_\beta\Gamma_{\alpha\beta X}\partial^\mu\Gamma^{a\beta X}+a_1\partial_\beta\Gamma_{\beta\alpha X}\partial^\mu\Gamma^{a\beta X}-2a_1\partial_\beta\Gamma_{\beta\alpha X}\partial^\mu\Gamma^{a\beta X}+\\ &a_1\partial_\beta\Gamma_{X\beta a}\partial^\mu\Gamma^{a\beta X}+a_1\partial_\beta\partial_\beta h_{a\mu}\partial^\mu\partial^\beta h^{a\beta}-a_1\partial_\beta\partial_\beta h_{aX}\partial^\mu\partial^\beta h^{a\beta} \end{aligned}$$

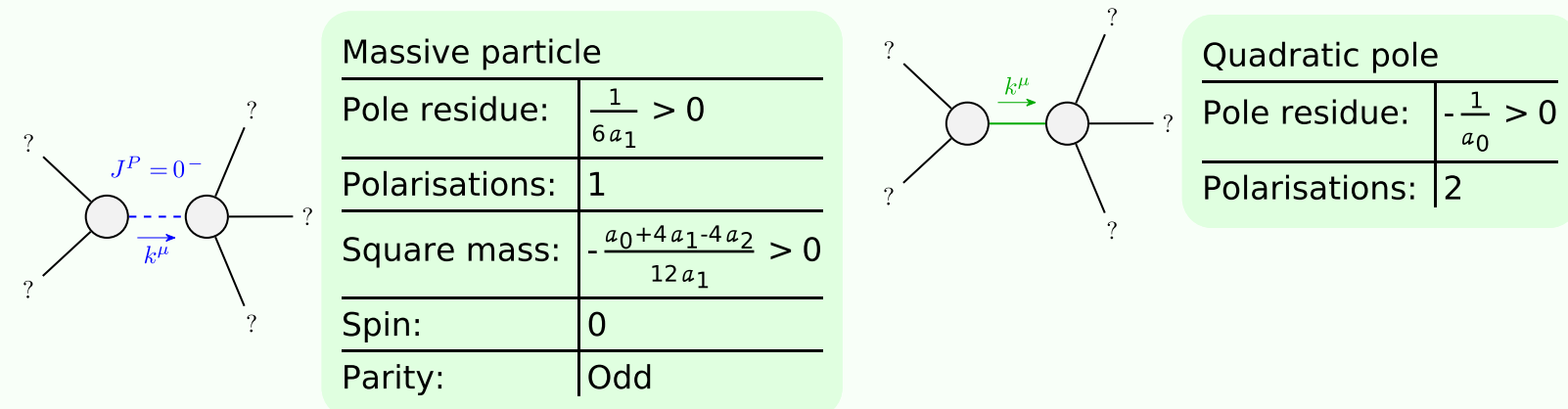
$$\Gamma_{3^+}^{\#1}\uparrow^{a\beta X}\boxed{-3(a_0+4a_6-4a_7)}$$

$$\Delta_{3^+}^{\#1}\uparrow^{a\beta X}\frac{1}{-3(a_0+4a_6)+12a_7}$$

	$\Delta_{2^+a\beta}^{\#1}$	$\Delta_{2^+a\beta}^{\#2}$	$\Delta_{2^+a\beta}^{\#3}$	$\mathcal{T}_{2^+a\beta}^{\#1}$	$\Delta_{2^+a\beta X}^{\#1}$	$\Delta_{2^+a\beta X}^{\#2}$
$\Delta_{2^+1^+a\beta}^{\#1}$	$\frac{4(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)}{a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)}$	0	$\frac{4(2a_1+a_2+a_9)}{\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	0	0	0
$\Delta_{2^+1^+a\beta}^{\#2}$	0	$\frac{1}{-3(a_0+4a_6)+12a_7}$	0	0	0	0
$\Delta_{2^+1^+a\beta}^{\#3}$	$\frac{4(2a_1+a_2+a_9)}{\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	0	$\frac{4(a_0-2a_1-a_2)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	0	0	0
$\mathcal{T}_{2^+1^+a\beta}^{\#1}$	0	0	0	$-\frac{8}{a_0k^2}$	0	0
$\Delta_{2^+1^+a\beta X}^{\#1}$	0	0	0	0	$\frac{4(a_0+4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)}{a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9)}$	$\frac{4(2a_1+a_2+a_9)}{\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$
$\Delta_{2^+1^+a\beta X}^{\#2}$	0	0	0	0	$\frac{4(2a_1+a_2+a_9)}{\sqrt{3}(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$	$\frac{4(a_0-2a_1-a_2)}{3(a_0^2+(2a_1+a_2)(2a_1+a_2+3a_3-16a_6+4a_7)+a_9^2-a_0(6a_1+3a_2+3a_3-16a_6+4a_7+2a_9))}$

	$\Gamma_{2^+a\beta}^{\#1}$	$\Gamma_{2^+a\beta}^{\#2}$	$\Gamma_{2^+a\beta}^{\#3}$	$h_{2^+a\beta}^{\#1}$	$\Gamma_{2^+a\beta X}^{\#1}$	$\Gamma_{2^+a\beta X}^{\#2}$
$\Gamma_{2^+1^+a\beta}^{\#1}$	$\frac{1}{4}(a_0-2a_1-a_2)$	0	$-\frac{1}{4}\sqrt{3}(2a_1+a_2+a_9)$	0	0	0
$\Gamma_{2^+1^+a\beta}^{\#2}$	0	$-3(a_0+4a_6-4a_7)$	0	0	0	0
$\Gamma_{2^+1^+a\beta}^{\#3}$	$-\frac{1}{4}\sqrt{3}(2a_1+a_2+a_9)$	0	$\frac{3}{4}(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)$	0	0	0
$h_{2^+1^+a\beta}^{\#1}$	0	0	0	$-\frac{a_0k^2}{8}$	0	0
$\Gamma_{2^+1^+a\beta X}^{\#1}$	0	0	0	0	$\frac{1}{4}(a_0-2a_1-a_2)$	$-\frac{1}{4}\sqrt{3}(2a_1+a_2+a_9)$
$\Gamma_{2^+1^+a\beta X}^{\#2}$	0	0	0	0	$\frac{1}{4}\sqrt{3}(2a_1+a_2+a_9)$	$\frac{3}{4}(a_0-4a_1-2a_2-3a_3+16a_6-4a_7-2a_9)$

Massive and massless spectra



Unitarity conditions

$$a_0 < 0 \ \&\& \ a_2 > \frac{1}{4}(a_0+4a_1) \ \&\& \ a_1 > 0$$

	$\Delta_0^{\#1}$	$\Delta_0^{\#2}$	$\Delta_0^{\#3}$	$\Delta_0^{\#4}$	$\Delta_0^{\#5}$	$\Delta_0^{\#6}$
$\Delta_{0^+}^{\#1}$	$2a_0+3a_1+a_2+3a_3$	0	0	0	0	0
$\Delta_{0^+}^{\#2}$	0	$\frac{1}{6(a_0+4a_1+2a_2+a_3)}$	$\frac{1}{6(a_0+4a_1+2a_2+a_3)}$	0	0	0
$\Delta_{0^+}^{\#3}$	0	$\frac{1}{6(a_0+3a_1+2a_2+a_3)}$	$\frac{1}{6(a_0+4a_1+2a_2+a_3)}$	0	0	0
$\Delta_{0^+}^{\#4}$	0	0	0	0	0	0
$\Delta_{0^+}^{\#5}$	0	0	0	0	$\frac{1}{a_0^2}$	0
$\Delta_{0^+}^{\#6}$	0	0	0	0	0	0
$\Delta_{0^+}^{\#7}$	0	0	0	0	0	$-\frac{1}{2(a_0+4a_1+2a_2+3a_3)}$