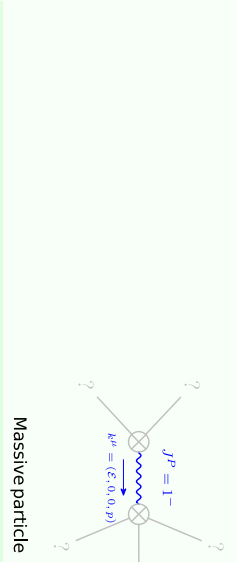


Wave operator and propagator

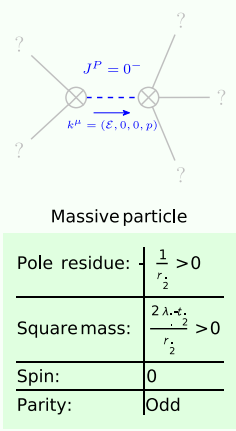
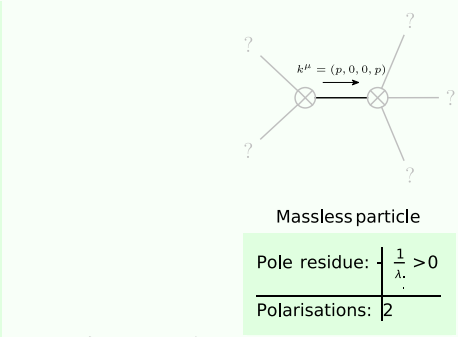
	$1^+ \mathcal{A}_{\alpha\beta}^I$	$1^+ \mathcal{A}_{\alpha\beta}^A$	$1^+ f_{\alpha\beta}^I$	$1^+ \mathcal{B}_{\alpha}$	$1^+ \mathcal{I}_{\alpha}^I$	$1^+ \mathcal{A}_{\alpha}^A$	$1^+ f_{\alpha}^I$	$1^+ f_{\alpha}^A$
$1^+ \mathcal{A}^I \dagger^{\alpha\beta}$	$\frac{1}{6}(-6\lambda_+ + 6k^2(2r_3 + r_5) + t_1 + 4t_2)$	$-\frac{6\lambda_+ + t_1 - 2t_2}{3\sqrt{2}}$	$-\frac{i k(6\lambda_+ + t_1 - 2t_2)}{3\sqrt{2}}$	0	0	0 0	0	0
$1^+ \mathcal{A}^A \dagger^{\alpha\beta}$	$-\frac{6\lambda_+ + t_1 - 2t_2}{3\sqrt{2}}$	$\frac{t_1 + t_2}{3}$	$\frac{1}{3} i k(t_1 + t_2)$	0	0	0 0	0	0
$1^+ f^I \dagger^{\alpha\beta}$	$\frac{i k(6\lambda_+ + t_1 - 2t_2)}{3\sqrt{2}}$	$-\frac{1}{3} i k(t_1 + t_2)$	$\frac{1}{3} k^2(t_1 + t_2)$	0	0	0 0	0	0
$1^+ \mathcal{B}^I \dagger^{\alpha}$	0	0	0	$-6\lambda_+ + \frac{v_-}{2} + 4k^2(r_1 + r_4 + r_5)$	$-2\lambda_+ + \frac{v_-}{6} + 2k^2(r_1 + r_4 + r_5)$	$\frac{12\lambda_+ - v_-}{6\sqrt{2}}$	0	$\frac{1}{6} i k(12\lambda_+ - v_-)$
$1^+ \mathcal{A}^I \dagger^{\alpha}$	0	0	0	$-2\lambda_+ + \frac{v_-}{6} + 2k^2(r_1 + r_4 + r_5)$	$\frac{1}{18}(-6\lambda_+ + v_- + 3(6k^2(r_1 + r_4 + r_5) + t_1))$	$\frac{24\lambda_+ - v_- + 6t_1}{18\sqrt{2}}$	0	$\frac{1}{18} i k(24\lambda_+ - v_- + 6t_1)$
$1^+ \mathcal{A}^A \dagger^{\alpha}$	0	0	0	$\frac{12\lambda_+ - v_-}{6\sqrt{2}}$	$\frac{24\lambda_+ - v_- + 6t_1}{18\sqrt{2}}$	$\frac{1}{36}(12\lambda_+ + v_- + 12t_1)$	0	$\frac{i k(12\lambda_+ + v_- + 12t_1)}{18\sqrt{2}}$
$1^+ f^I \dagger^{\alpha}$	0	0	0	0	0	0 0	0	0
$1^+ f^A \dagger^{\alpha}$	0	0	0	$k(-2i\lambda_+ + \frac{v_-}{6})$	$-\frac{1}{18} i k(24\lambda_+ - v_- + 6t_1)$	$-\frac{i k(12\lambda_+ + v_- + 12t_1)}{18\sqrt{2}}$	0	$\frac{1}{18} k^2(12\lambda_+ + v_- + 12t_1)$

[illegible]

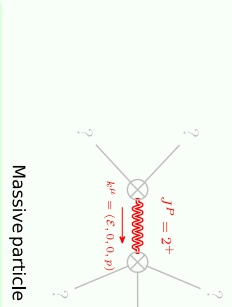
Pole residue:	$-\frac{1}{4}(3\sqrt[4]{288}\sqrt[4]{\lambda^3+v^2}(7r_1+7r_4+7r_5-c_1)-12v\sqrt[4]{\lambda^2+72}(r_1+r_4+r_5)c_1^2+432\sqrt[4]{\lambda^2}(3r_4+3r_5+r_1+c_1)-2\sqrt[4]{\lambda}(v^2-72c_1(2r_1+2r_4+2r_5+c_1)+12v(7r_4+7r_5+c_1))))$
	$((\sqrt[4]{r_1+r_4+r_5})(12\sqrt[4]{\lambda}+v+12c_1)(360\sqrt[4]{\lambda^2}-30\sqrt[4]{\lambda}v+v(7r_4+7r_5+c_1)+84(r_1+r_4+r_5)+12\sqrt[4]{\lambda}(7r_4+7r_5+15c_1))))>0$
Square mass:	$\frac{3(12\sqrt[4]{\lambda}v)(2\sqrt[4]{\lambda}+1)}{2(r_1+r_4+r_5)(12\sqrt[4]{\lambda}+v+12c_1)}>0$
Spin:	1
Parity:	Odd



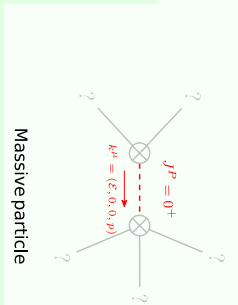
Pole residue:	$\frac{3(1 + t_1^2 - t_2^2 - t_3^2 + t_4^2 - t_5^2 + t_6^2 + 3t_1^2 t_2^2 + t_1^2 t_3^2 + t_1^2 t_4^2 + t_1^2 t_5^2 + t_1^2 t_6^2 - 2t_1 t_2 t_3 - 2t_1 t_3 t_4 - t_1 t_2 t_5 - t_1 t_3 t_6 - t_2 t_3 t_4 - t_2 t_3 t_5 - t_2 t_3 t_6 - t_3 t_4 t_5 - t_3 t_4 t_6 - t_4 t_5 t_6)}{(2t_1^2 + t_1^2(t_1^2 + t_2^2 - t_3^2 - t_4^2 + t_5^2 + t_6^2)(-t_1^2 t_2^2 + 2t_1^2 t_3^2 - t_1^2 t_4^2 - t_1^2 t_5^2 - t_1^2 t_6^2))} > 0$
Square mass:	$\frac{3(2 - t_1 - t_2)(2 - t_1 - t_2)}{2(2 - t_1 - t_2)(t_1^2 + t_2^2)} > 0$
Spin:	1
Parity:	Even



Polesidue:	$\frac{\lambda^{-2} + (2, \frac{1}{3}, -2, \frac{1}{3}, +1, \frac{1}{3}, +1, \frac{1}{3}, -4, \frac{1}{3}, +2, \frac{1}{3}, +1, \frac{1}{3})}{\lambda \cdot (2, \frac{1}{3}, -2, \frac{1}{3}, +1, \frac{1}{3}, +1, \frac{1}{3}, -4, \frac{1}{3}, +2, \frac{1}{3}, +1, \frac{1}{3})} > 0$
Squaremass:	$\frac{\lambda \cdot (2, \frac{1}{3}, +1, \frac{1}{3})}{2(\lambda^2 - 2, \frac{1}{3}, +1, \frac{1}{3}) \cdot (\lambda + \frac{1}{3})} > 0$
Spin:	2
Parity:	Even



Polesidue:	$\frac{1}{56} \left(-\frac{7}{\Lambda_-} + \frac{84}{v_-} + \frac{4}{r_{1,3}^2 + 2r_{1,4}^2} \right) > 0$
Squaremass:	$\frac{12\Lambda_-^2\Lambda_+v_-}{2v_+r_{1,2}^2v_{1,3}^2 + v_{1,4}^2} > 0$
Spin:	0
Parity:	Even



Pole residue:	$-\frac{1}{r_1} > 0$
Square mass:	$-\frac{2\lambda_+ + r_1}{2r_1} > 0$
Spin:	2
Parity:	Odd

(Timeout after 10 seconds)