Lagrangian density

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

(No source constraints)

	$h^{\#1}_{0^+}$	$h^{\#2}_{0^+}$
$h^{\#1}_{0^+}{}^{\dagger}$	$\alpha\,k^2$	0
$h^{\#2}_{0^+}{}^{\dagger}$	0	$(-\alpha+\beta)\,k^2$

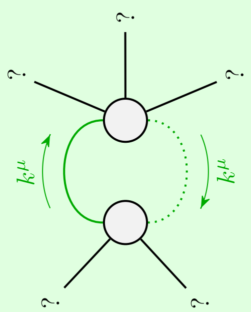
	$\mathcal{T}^{\#1}_{2^+\,\alpha\beta}$
$\mathcal{T}^{\#1}_{2^+}{}^{\dagger\,\alpha\beta}$	$-\frac{2}{\alpha\,k^2}$

	$\mathcal{T}^{\#1}_{0^+}$	$\mathcal{T}^{\#2}_{0^+}$
$\mathcal{T}^{\#1}_{0^+}{}^{\dagger}$	$\frac{1}{\alpha\,k^2}$	0
$\mathcal{T}^{\#2}_{0^+}{}^{\dagger}$	0	$\frac{1}{(-\alpha+\beta)\,k^2}$

	$h^{\#1}_{1^-\,\alpha}$
$h^{\#1}_{1^-}{}^{\dagger\,\alpha}$	$\frac{1}{2}\,(-\alpha+\beta)\,k^2$

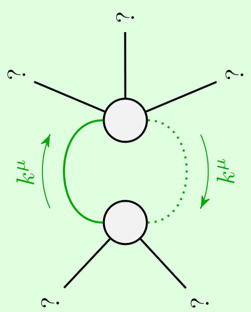
	$\mathcal{T}^{\#1}_{1^-\,\alpha}$
$\mathcal{T}^{\#1}_{1^-}{}^{\dagger\,\alpha}$	$-\frac{2}{(\alpha-\beta)\,k^2}$

	$h^{\#1}_{2^+\,\alpha\beta}$
$h^{\#1}_{2^+}{}^{\dagger\,\alpha\beta}$	$-\frac{\alpha\,k^2}{2}$



Quartic pole

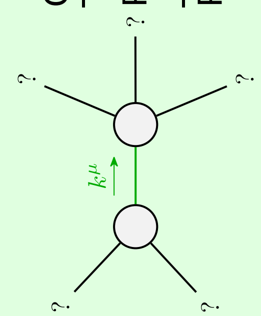
Pole residue:	$0<\frac{6\,\alpha+3\,\beta-\sqrt{3}\,\sqrt{12\,\alpha^2+12\,\alpha\beta+19\,\beta^2+64\,(\alpha-\beta)^2\,p^2}}{\alpha\,(\alpha-\beta)}$ && $\frac{6\,\alpha+3\,\beta-\sqrt{3}\,\sqrt{12\,\alpha^2+12\,\alpha\beta+19\,\beta^2+64\,(\alpha-\beta)^2\,p^2}}{\alpha\,(\alpha-\beta)}>0$
Polarisations:	1



Quartic pole

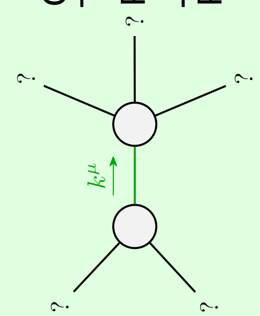
Pole residue:	$0<\frac{6\,\alpha+3\,\beta+\sqrt{3}\,\sqrt{12\,\alpha^2+12\,\alpha\beta+19\,\beta^2+64\,(\alpha-\beta)^2\,p^2}}{\alpha\,(\alpha-\beta)}$ && $\frac{6\,\alpha+3\,\beta+\sqrt{3}\,\sqrt{12\,\alpha^2+12\,\alpha\beta+19\,\beta^2+64\,(\alpha-\beta)^2\,p^2}}{\alpha\,(\alpha-\beta)}>0$
Polarisations:	1

(No massive particles)



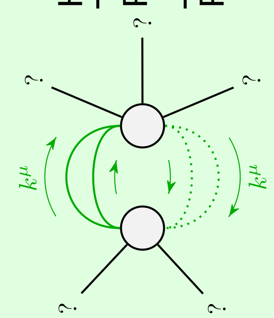
Quadratic pole

Pole residue:	$\frac{-2\,\alpha+\beta+\sqrt{20\,\alpha^2-36\,\alpha\beta+17\,\beta^2}}{\alpha\,(\alpha-\beta)}>0$
Polarisations:	1



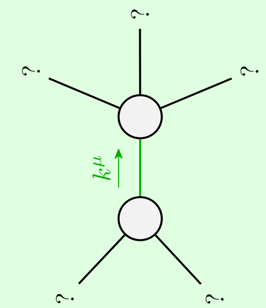
Quadratic pole

Pole residue:	$-\frac{2\,\alpha-\beta+\sqrt{20\,\alpha^2-36\,\alpha\beta+17\,\beta^2}}{\alpha^2-\alpha\beta}>0$
Polarisations:	1



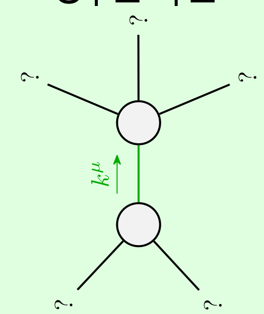
Hexic pole

Pole residue:	$0<\frac{2\,\alpha+\beta}{\alpha^2-\alpha\beta}$ && $\frac{2\,\alpha+\beta}{\alpha^2-\alpha\beta}>0$
Polarisations:	1



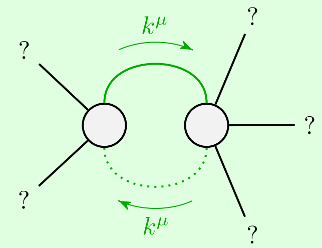
Quadratic pole

Pole residue:	$-\frac{1}{\alpha}+\frac{5}{-\alpha+\beta}>0$
Polarisations:	1



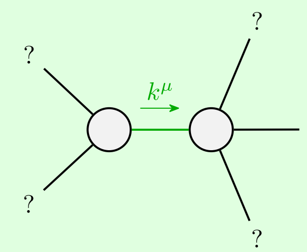
Quadratic pole

Pole residue:	$\frac{1}{\alpha}+\frac{1}{\alpha-\beta}>0$
Polarisations:	2



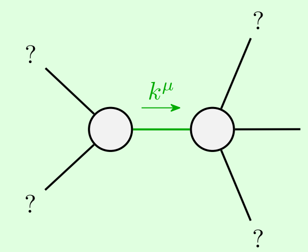
Quartic pole

Pole residue:	$0<\frac{\beta}{\alpha^2-\alpha\beta}$ && $\frac{\beta}{\alpha^2-\alpha\beta}>0$
Polarisations:	2



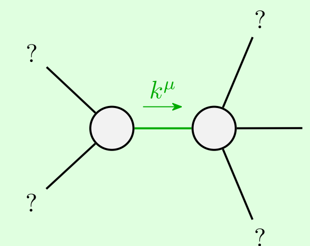
Quadratic pole

Pole residue:	$-\frac{1}{\alpha}>0$
Polarisations:	2



Quadratic pole

Pole residue:	$\frac{1}{\alpha}+\frac{5}{\alpha-\beta}>0$
Polarisations:	1



Quadratic pole

Pole residue:	$-\frac{1}{\alpha}+\frac{1}{-\alpha+\beta}>0$
Polarisations:	2

Unitarity conditions

(Unitarity is demonstrably impossible)