Lagrangian density

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

Added source term: $h^{\alpha\beta}\,\mathcal{T}_{\alpha\beta}$

(No source constraints)

$$h^{\#1}_{0^+}\,\dagger\,\begin{array}{|c|c|}\hline \alpha\,k^2 & 0 \\ \hline 0 & (-\alpha+\beta)\,k^2 \\ \hline \end{array}\,h^{\#1}_{0^+} \;+\; h^{\#2}_{0^+}$$

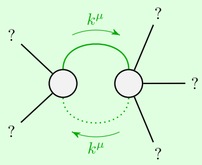
$$h^{\#1}_{1^-}\,\dagger^{\alpha}\,\boxed{\frac{1}{2}\,(-\alpha+\beta)\,k^2}\,h^{\#1}_{1^-\,\alpha}$$

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

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

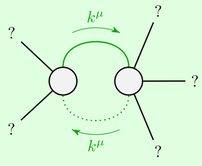
$$\mathcal{T}^{\#1}_{1^-\,\alpha}\,\dagger^{\alpha}\,\boxed{-\frac{2}{(\alpha-\beta)\,k^2}}\,\mathcal{T}^{\#1}_{1^-\,\alpha}$$

$$\mathcal{T}^{\#1}_{0^+}\,\dagger\,\begin{array}{|c|c|}\hline \frac{1}{\alpha\,k^2} & 0 \\ \hline 0 & \frac{1}{(-\alpha+\beta)\,k^2} \\ \hline \end{array}\,\mathcal{T}^{\#2}_{0^+}$$



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

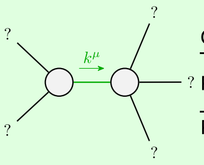


Quartic pole

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

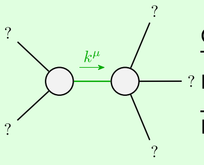
(No massive particles)

Unitarity conditions
(Unitarity is demonstrably impossible)



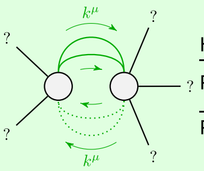
Quadratic pole

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



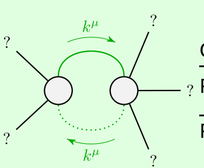
Quadratic pole

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



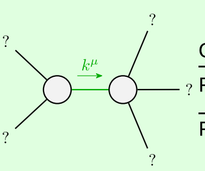
Hexic pole

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



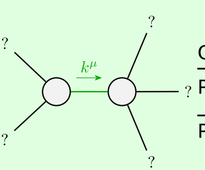
Quartic pole

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



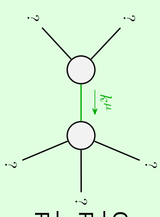
Quadratic pole

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



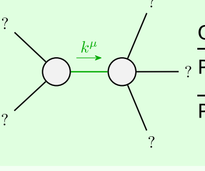
Quadratic pole

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



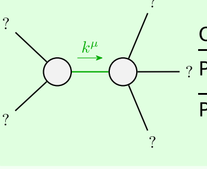
Quadratic pole

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



Quadratic pole

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



Quadratic pole

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