(No massive particles)

Unitarity conditions

$\alpha > 0$

$h^{\#1}_{1^-\,\alpha}$

$\mathcal{T}^{\#1\,\dagger}_{1^-\,\alpha}$	$h^{\#1\,\dagger}_{1^-}{}^{\alpha}$
$\mathcal{T}^{\#1}_{1^-\,\alpha}$	0

$h^{\#1}_{2^+\,\alpha\beta}$

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

Source constraints	
SO(3) irreps	#
$\mathcal{T}^{\#1\,\alpha}_{1^-} == 0$	3
Total #:	3

$h^{\#1}_{0^+}$ $h^{\#2}_{0^+}$

$h^{\#1\,\dagger}_{0^+}$ / $h^{\#2\,\dagger}_{0^+}$	$h^{\#1}_{0^+}$	$h^{\#2}_{0^+}$
$h^{\#1}_{0^+}$	$4\,\alpha k^2$	$\sqrt{3}\,\alpha k^2$
$h^{\#2}_{0^+}$	$\sqrt{3}\,\alpha k^2$	0

$\mathcal{T}^{\#1}_{0^+}$ $\mathcal{T}^{\#2}_{0^+}$

$\mathcal{T}^{\#1\,\dagger}_{0^+}$ / $\mathcal{T}^{\#2\,\dagger}_{0^+}$	$\mathcal{T}^{\#1}_{0^+}$	$\mathcal{T}^{\#2}_{0^+}$
$\mathcal{T}^{\#1}_{0^+}$	0	$\frac{1}{\sqrt{3}\,\alpha k^2}$
$\mathcal{T}^{\#2}_{0^+}$	$\frac{1}{\sqrt{3}\,\alpha k^2}$	$-\frac{4}{3\,\alpha k^2}$

Lagrangian density

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

Added source term:

$$h^{\alpha\beta}\,\mathcal{T}_{\alpha\beta}$$

Quadratic pole

Pole residue:	$\frac{1}{\alpha} > 0$
Polarisations:	3