Lagrangian density

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

Source constraints	
SO(3) irreps	#
$\mathcal{T}^{\#2}_{0^+} == 0$	1
$\mathcal{T}^{\#1\,\alpha}_{1^-} == 0$	3
Total #:	4

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

$\frac{1}{\alpha k^2}$	0
0	0

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

αk^2	0
0	0

$\mathcal{T}^{\#1}_{1^-\,\alpha}$ | $\mathcal{T}^{\#1}_{1^-}{}^{\alpha}$ †

0

$\mathcal{T}^{\#1}_{2^+\,\alpha\beta}$ | $\mathcal{T}^{\#1}_{2^+}{}^{\alpha\beta}$ †

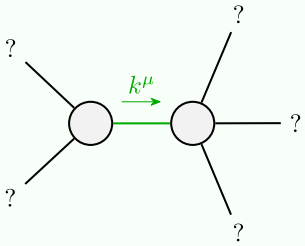
$-\frac{2}{\alpha k^2}$

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

$-\frac{\alpha k^2}{2}$

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

0



Quadratic pole

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

(No massive particles)

$\alpha < 0$