

Lagrangian density

$$\alpha \partial_\beta h^x_\chi \partial^\beta h^\alpha_\alpha - 2 \alpha \partial_\beta h_{\alpha\chi} \partial^x h^{\alpha\beta} + \alpha \partial_\chi h_{\alpha\beta} \partial^x h^{\alpha\beta}$$

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

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

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

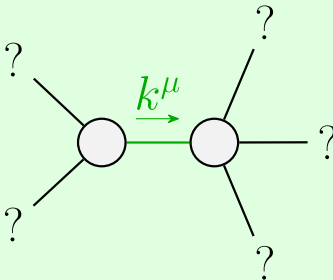
Source constraints	
SO(3) irreps	#
$\mathcal{T}^{\#1}_1 = 0$	3
Total #:	3

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

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

$$\mathcal{T}^{\#1}_{1- \alpha} \quad 0$$

$$h^{\#1}_{1- \alpha} \quad 0$$



Quadratic pole

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

Polarisations: 3

Unitarity conditions
 $\alpha > 0$

(No massive particles)