

Lagrangian density

$$-\alpha \partial_\beta \partial_\alpha h^{\alpha\beta} \partial_\delta \partial_\chi h^{\chi\delta} + 2 \alpha \partial_\beta \partial^\beta h^\alpha_\alpha \partial_\delta \partial_\chi h^{\chi\delta} - \alpha \partial_\beta \partial^\beta h^\alpha_\alpha \partial_\delta \partial^\delta h^\chi_\chi$$

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

Source constraints	
SO(3) irreps	#
$\mathcal{T}^{\#2}_{0+} == 0$	1
$\mathcal{T}^{\#1}_{1-}{}^\alpha == 0$	3
$\mathcal{T}^{\#1}_{2+}{}^{\alpha\beta} == 0$	5
Total #:	9

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

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

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

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

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

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

(No massive particles)

(No massless particles)

Unitarity conditions  
True