

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

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

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

Lagrangian density

$$\begin{aligned} &\beta h_{\alpha\beta} h^{\alpha\beta} - \beta h^{\alpha}{}_{\alpha} h^{\beta}{}_{\beta} + \\ &\frac{1}{2} \alpha \partial_{\beta} h^{\chi}{}_{\chi} \partial^{\beta} h^{\alpha}{}_{\alpha} + \alpha \partial_{\alpha} h^{\alpha\beta} \partial_{\chi} h^{\chi}{}_{\beta} - \\ &\alpha \partial^{\beta} h^{\alpha}{}_{\alpha} \partial_{\chi} h^{\chi}{}_{\beta} - \frac{1}{2} \alpha \partial_{\chi} h_{\alpha\beta} \partial^{\chi} h^{\alpha\beta} \end{aligned}$$

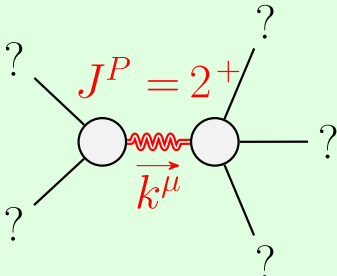
Added source term: $h^{\alpha\beta} \mathcal{T}_{\alpha\beta}$

(No source constraints)

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

$$h_{1^-}^{\#1} \dagger^{\alpha} \boxed{\beta} h_{1^-}^{\#1 \alpha}$$

	$h_{0^+}^{\#1}$	$h_{0^+}^{\#2}$
$h_{0^+}^{\#1} \dagger$	$-2\beta + \alpha k^2$	$-\sqrt{3} \beta$
$h_{0^+}^{\#2} \dagger$	$-\sqrt{3} \beta$	0



Massive particle	
Pole residue:	$-\frac{2}{\alpha} > 0$
Polarisations:	5
Square mass:	$\frac{2\beta}{\alpha} > 0$
Spin:	2
Parity:	Even

$$\alpha < 0 \ \&\& \ \beta < 0$$

Unitarity conditions

(No massless particles)