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

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

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

Lagrangian density

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

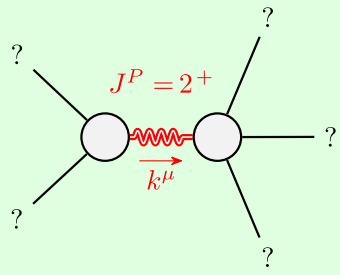
Added source term: $h^{\alpha\beta}\,\mathcal{T}_{\alpha\beta}$

(No source constraints)

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

$h^{\#1}_{1^-}\dagger^{\alpha}$	$h^{\#1}_{1^-}{}_{\alpha}$
	β

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



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

Unitarity conditions

$\alpha > 0$ && $\beta > 0$

(No massless particles)