Lagrangian density

$$\mathcal{B}^{\alpha}\ \mathcal{J}_{\alpha} + \beta\,\partial_{\alpha}\mathcal{B}^{\alpha}\,\partial_{\beta}\mathcal{B}^{\beta} + \alpha\,\partial_{\beta}\mathcal{B}_{\alpha}\,\partial^{\beta}\mathcal{B}^{\alpha}$$

$$\mathcal{B}^{\#1}_{0^+} \dagger \boxed{(\alpha+\beta)\,k^2}$$

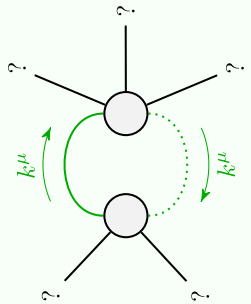
$$\mathcal{J}^{\#1}_{0^+} \dagger \boxed{\frac{1}{(\alpha+\beta)\,k^2}}\ \mathcal{J}^{\#1}_{0^+}$$

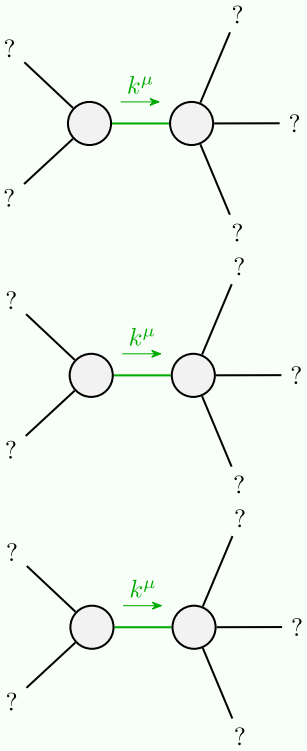
$$\mathcal{B}^{\#1}_{1^-\,\alpha} \dagger^{\alpha} \boxed{\alpha\,k^2}$$

$$\mathcal{J}^{\#1}_{1^-\,\alpha} \dagger^{\alpha} \boxed{\frac{1}{\alpha\,k^2}}$$

(No source constraints)

Quartic pole	
Pole residue:	$0 < -\frac{\beta}{\alpha(\alpha+\beta)}$ && $-\frac{\beta}{\alpha(\alpha+\beta)} > 0$
Polarisations:	1





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

Quadratic pole	
Pole residue:	$-\frac{1}{\alpha} - \frac{1}{\alpha+\beta} > 0$
Polarisations:	1

Quadratic pole	
Pole residue:	$\frac{1}{\alpha} + \frac{1}{\alpha+\beta} > 0$
Polarisations:	1

(No massive particles)

(Unitarity is demonstrably impossible)