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

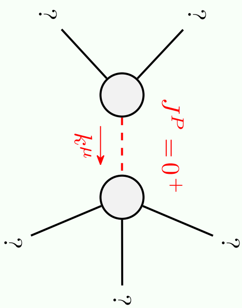
(No source constraints)

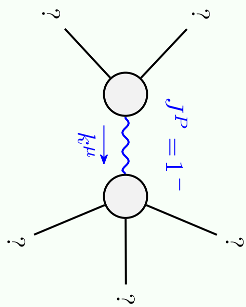
$$\mathcal{B}^{\#1}_{0^+}{}^{\dagger}\ \boxed{\gamma+(\alpha+\beta)\,k^2}\ \mathcal{B}^{\#1}_{0^+}$$

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

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

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





(No massless particles)

Massive particle	
Pole residue:	$\frac{1}{\alpha+\beta} > 0$
Polarisations:	1
Square mass:	$-\frac{\gamma}{\alpha+\beta} > 0$
Spin:	0
Parity:	Even

Massive particle	
Pole residue:	$-\frac{1}{\alpha} > 0$
Polarisations:	3
Square mass:	$-\frac{\gamma}{\alpha} > 0$
Spin:	1
Parity:	Odd

(Unitarity is demonstrably impossible)