$\mathcal{B}^{\#1}_{1^-\,\alpha}$

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

$\mathcal{J}^{\#1}_{1^-\,\alpha}$

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

$\mathcal{B}^{\#1}_{0^+}$

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

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

$\mathcal{J}^{\#1}_{0^+}{}^{\dagger}$

(No source constraints)

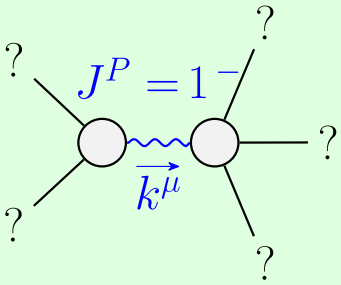
Lagrangian density

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

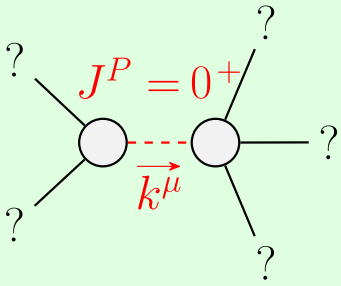
Added source term:	$\mathcal{B}^\alpha\ \mathcal{J}_\alpha$

Unitarity conditions

(Unitarity is demonstrably impossible)



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



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

(No massless particles)