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

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

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

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

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

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

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

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

Lagrangian density

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

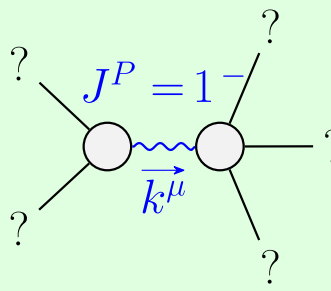
Added source term: $\mathcal{B}^{\alpha}\,\mathcal{J}_{\alpha}$

(No source constraints)

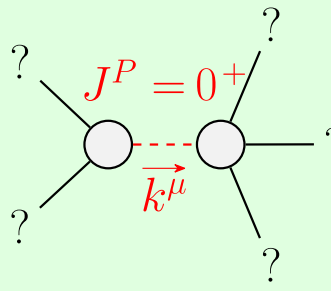
Unitarity conditions

(Unitarity is demonstrably impossible)

(No massless particles)



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