Lagrangian density

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

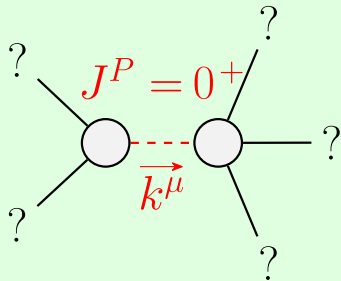Added source term: $\mathcal{B}^\alpha\, \mathcal{T}_\alpha$

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

$\mathcal{T}^{\#1}_{1^-}\dagger^\alpha$ $\boxed{\dfrac{1}{\gamma}}$

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

$\mathcal{T}^{\#1}_{0^+}\dagger$ $\boxed{\dfrac{1}{\gamma+\beta k^2}}$ $\mathcal{T}^{\#1}_{0^+}$

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

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

(No source constraints)

(No massless particles)

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

Unitarity conditions

$\beta < 0\ \&\&\ \gamma > 0$