

Lagrangian density

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

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

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

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

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

$$\mathcal{T}_{0+}^{\#1} \dagger \left[\frac{1}{\gamma + \beta k^2} \right]$$

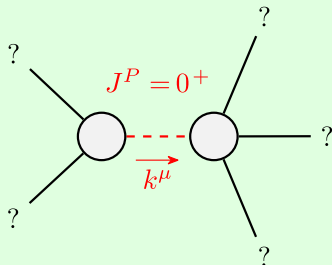
$$\mathcal{B}_{1-}^{\#1} \alpha$$

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

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

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

(No source constraints)



Massive particle

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

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

(No massless particles)