

Lagrangian density

$$\gamma \mathcal{B}_\alpha \mathcal{B}^\alpha - 2 \alpha \partial_\alpha \mathcal{B}_\beta \partial^\beta \mathcal{B}^\alpha + 2 \alpha \partial_\beta \mathcal{B}_\alpha \partial^\beta \mathcal{B}^\alpha$$

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

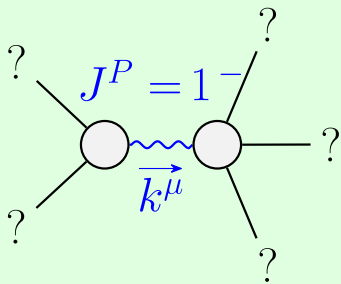
$$\mathcal{B}_{1^-}^{\#1} + \alpha \mathcal{B}_{1^-}^{\#1} \left[\gamma + 2 \alpha k^2 \right]$$

(No source constraints)

$$\mathcal{J}_{0^+}^{\#1} + \left[\frac{1}{\gamma} \right] \mathcal{J}_{0^+}^{\#1}$$

$$\mathcal{J}_{1^-}^{\#1} + \alpha \mathcal{J}_{1^-}^{\#1} \left[\frac{1}{\gamma + 2 \alpha k^2} \right]$$

$$\mathcal{B}_{0^+}^{\#1} + \left[\gamma \right] \mathcal{B}_{0^+}^{\#1}$$



Massive particle

Pole residue:	$-\frac{1}{2\alpha} > 0$
---------------	--------------------------

Polarisations:	3
----------------	---

Square mass:	$-\frac{\gamma}{2\alpha} > 0$
--------------	-------------------------------

Spin:	1
-------	---

Parity:	Odd
---------	-----

Unitarity conditions	$\alpha < 0 \ \&\& \ \gamma > 0$
----------------------	----------------------------------

(No massless particles)