

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:  $\mathcal{B}^\alpha \mathcal{T}_\alpha$

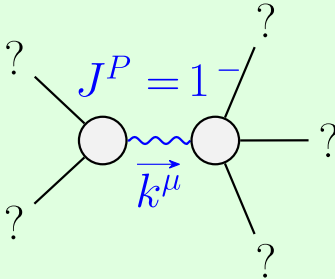
$$\mathcal{B}_1^{\#1} + \alpha \mathcal{B}_1^{\#1} \left[ \gamma + 2 \alpha k^2 \right]$$

(No source constraints)

$$\mathcal{T}_1^{\#1} + \alpha \left[ \frac{1}{\gamma + 2 \alpha k^2} \right] \mathcal{T}_1^{\#1}$$

$$\mathcal{B}_0^{\#1} + \left[ \gamma \right] \mathcal{B}_0^{\#1}$$

$$\mathcal{T}_0^{\#1} + \left[ \frac{1}{\gamma} \right] \mathcal{T}_0^{\#1}$$



Massive particle

Pole residue:	$-\frac{1}{2 \alpha} > 0$
Polarisations:	3
Square mass:	$-\frac{\gamma}{2 \alpha} > 0$
Spin:	1
Parity:	Odd

$$\alpha < 0 \ \&\& \ \gamma > 0$$

Unitarity conditions

(No massless particles)