

## Lagrangian density

$$\beta \mathcal{B}_{\alpha\beta} \mathcal{B}^{\alpha\beta} - \frac{2}{3} \alpha \partial_\beta \mathcal{B}_{\alpha\chi} \partial^\chi \mathcal{B}^{\alpha\beta} + \frac{1}{3} \alpha \partial_\chi \mathcal{B}_{\alpha\beta} \partial^\chi \mathcal{B}^{\alpha\beta}$$

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

(No source constraints)

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

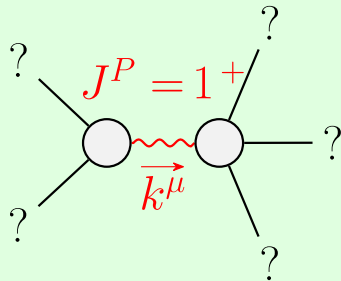
$\mathcal{T}_{1^+}^{#1} \dagger^{\alpha\beta}$	$\frac{1}{\beta + \frac{\alpha k^2}{3}}$	0
$\mathcal{T}_{1^-}^{#1} \dagger^\alpha$	0	$\frac{1}{\beta}$

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

$\mathcal{B}_{1^+}^{#1} \dagger^{\alpha\beta}$	$\beta + \frac{\alpha k^2}{3}$	0
$\mathcal{B}_{1^-}^{#1} \dagger^\alpha$	0	$\beta$

## Massive particle

Pole residue:	$\frac{3}{\alpha} > 0$
Polarisations:	3
Square mass:	$-\frac{3\beta}{\alpha} > 0$
Spin:	1
Parity:	Even



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

(No massless particles)