

Lagrangian density

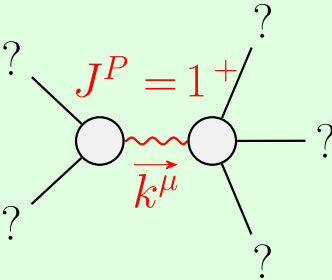
$$\beta \mathcal{B}_{\alpha\beta} \mathcal{B}^{\alpha\beta} - \frac{2}{3} \alpha \partial_\beta \mathcal{B}_{\alpha\chi} \partial^\chi \mathcal{B}^{\alpha\beta} + \frac{1}{3} \alpha \partial_\chi \mathcal{B}_{\alpha\beta} \partial^\chi \mathcal{B}^{\alpha\beta}$$

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

(No source constraints)

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

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



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)