

Lagrangian density

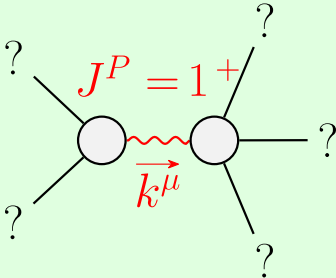
$$\beta \mathcal{B}_{\alpha\beta} \mathcal{B}^{\alpha\beta} - \frac{2}{3} \alpha \partial_\beta \mathcal{B}_{\alpha\chi} \partial^\chi \mathcal{B}^{\alpha\beta} + \frac{1}{3} \alpha \partial_\chi \mathcal{B}_{\alpha\beta} \partial^\chi \mathcal{B}^{\alpha\beta}$$

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

(No source constraints)

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

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



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

$$\text{Unitarity conditions}$$

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

(No massless particles)