

Lagrangian density

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

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

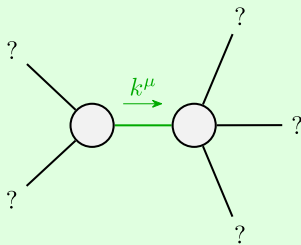
$\mathcal{J}_{1^+}^{\#1} \quad \mathcal{J}_{1^-}^{\#1} \quad \alpha$

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

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

Source constraints

SO(3) irreps	#
$\mathcal{J}_{1^+}^{\#1} \alpha == 0$	3
Total #:	3



Quadratic pole

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

(No massive particles)

Unitarity conditions

$$\alpha > 0$$