

(No massive particles)

Unitarity conditions

$$\alpha > 0$$

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

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

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

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

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

Lagrangian density

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

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

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

