Lagrangian density

$$\mathcal{B}^{\alpha}\ \mathcal{J}_{\alpha} + \beta\,\partial_{\alpha}\mathcal{B}^{\alpha}\,\partial_{\beta}\mathcal{B}^{\beta} + \alpha\,\partial_{\beta}\mathcal{B}_{\alpha}\,\partial^{\beta}\mathcal{B}^{\alpha}$$

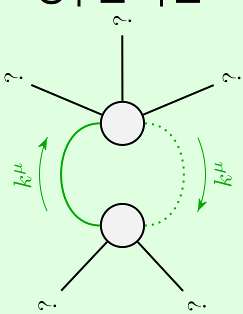
	$\mathcal{J}^{\#1}_{1^-}{}_{\alpha}$
$\mathcal{J}^{\#1}_{1^-}{}^{\dagger\alpha}$	$\frac{1}{\alpha\, k^2}$

	$\mathcal{B}^{\#1}_{0^+}$
$\mathcal{B}^{\#1}_{0^+}{}^{\dagger}$	$(\alpha+\beta)\,k^2$

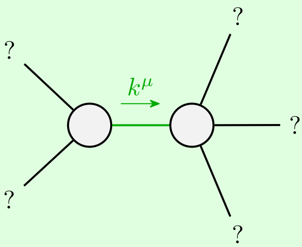
	$\mathcal{J}^{\#1}_{0^+}$
$\mathcal{J}^{\#1}_{0^+}{}^{\dagger}$	$\frac{1}{(\alpha+\beta)\,k^2}$

	$\mathcal{B}^{\#1}_{1^-}{}_{\alpha}$
$\mathcal{B}^{\#1}_{1^-}{}^{\dagger\alpha}$	$\alpha\, k^2$

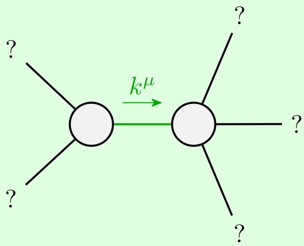
(No source constraints)



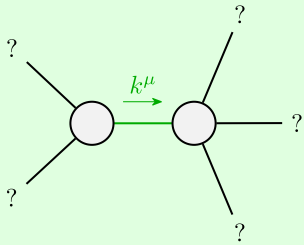
Quartic pole	
Pole residue:	$0 < -\frac{\beta}{\alpha\,(\alpha+\beta)}\ \&\&\ -\frac{\beta}{\alpha\,(\alpha+\beta)} > 0$
Polarisations:	1



Quadratic pole	
Pole residue:	$-\frac{1}{\alpha} > 0$
Polarisations:	2



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



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

(No massive particles)

Unitarity conditions

(Unitarity is demonstrably impossible)