Lagrangian density

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

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

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

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

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

(No source constraints)

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

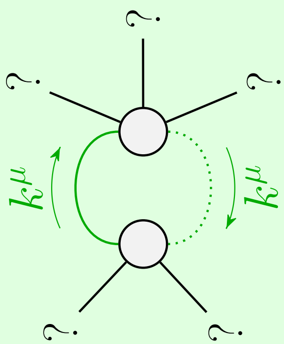
(No massive particles)

Unitarity conditions

(Unitarity is demonstrably impossible)

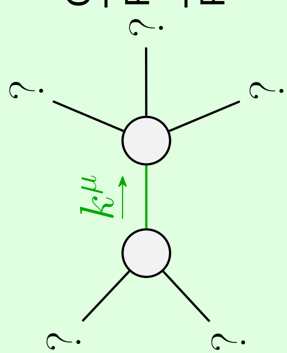
Quartic pole

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



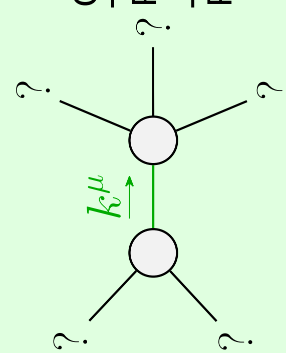
Quadratic pole

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



Quadratic pole

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



Quadratic pole

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