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: $\mathcal{B}^\alpha\ \mathcal{J}_\alpha$

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

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

$\mathcal{B}_{0^+}^{\#1}$

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

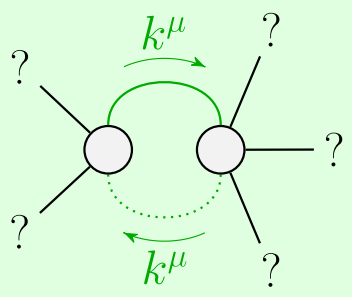
$\mathcal{J}_{0^+}^{\#1}$

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

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

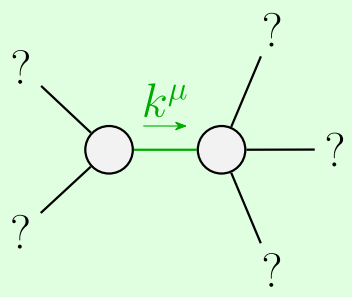
$\mathcal{B}_{1^-}^{\#1} \dagger^\alpha \boxed{\alpha k^2}$

(No source constraints)



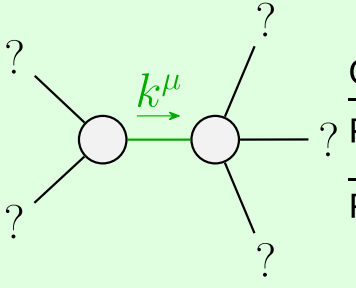
Quartic pole

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



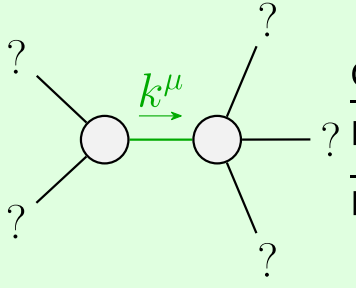
Quadratic pole

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

Unitarity conditions

(Unitarity is demonstrably impossible)

(No massive particles)