

Lagrangian density

$$\alpha \partial_\alpha \phi \partial^\alpha \phi$$

Added source term: $\phi \rho$

$$\rho_{0+}^{\#1} +$$

$$\boxed{\frac{1}{\alpha k^2}}$$

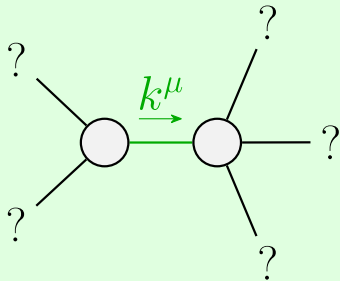
$$\rho_{0+}^{\#1}$$

$$\phi_{0+}^{\#1} +$$

$$\boxed{\alpha k^2}$$

$$\phi_{0+}^{\#1}$$

(No source constraints)



Quadratic pole

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

(No massive particles)