

Lagrangian density

$$\phi \rho + \alpha \partial_\alpha \phi \partial^\alpha \phi$$

(No source constraints)

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

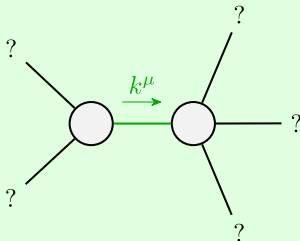
$$\boxed{\frac{1}{\alpha k^2}}$$

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

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

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

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



Quadratic pole

Pole residue:	$\frac{1}{\alpha} > 0$
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Polarisations:	1
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(No massive particles)

Unitarity conditions

$$\alpha > 0$$