

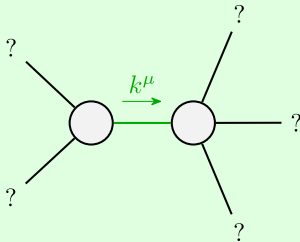
Lagrangian density

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

(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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Unitarity conditions
 $\alpha > 0$

(No massive particles)