

Lagrangian density

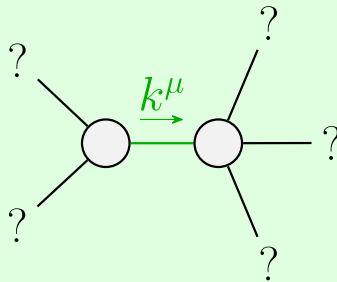
$$\alpha \partial_\alpha \phi \partial^\alpha \phi$$

Added source term:  $\phi \rho$

$$\rho_{0+}^{\#1} \dagger \boxed{\frac{1}{\alpha k^2}}$$

$$\phi_{0+}^{\#1} \dagger \boxed{\alpha k^2}$$

(No source constraints)



Quadratic pole

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

Polarisations: 1

$\alpha > 0$  | Unitarity conditions

(No massive particles)