Lagrangian density

$$\beta^2 \phi^2 + \partial_\alpha \phi \, \partial^\alpha \phi$$

Added source term: $\phi \rho$
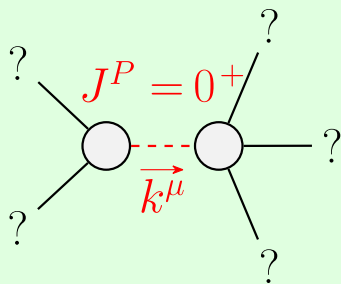
$$\phi_{0^+}^{\#1}$$

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

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

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

(No source constraints)

$J^P = 0^+$

$\vec{k^\mu}$

Massive particle	
Pole residue:	True
Polarisations:	1
Square mass:	$-\beta^2 > 0$
Spin:	0
Parity:	Even

Unitarity conditions

(Unitarity is demonstrably impossible)

(No massless particles)