Lagrangian density
$-\beta\,\phi^2 + \alpha\,\partial_\alpha\phi\,\partial^\alpha\phi$
Added source term: $\phi\,\rho$

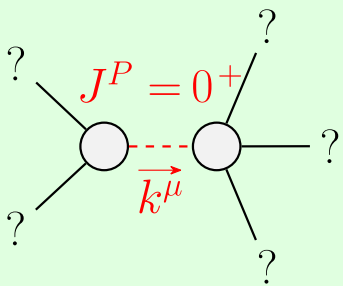
$$\phi_{0^+}^{\#1}$$

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

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

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

(No source constraints)



Massive particle	
Pole residue:	$\frac{1}{\alpha} > 0$
Polarisations:	1
Square mass:	$\frac{\beta}{\alpha} > 0$
Spin:	0
Parity:	Even

Unitarity conditions
$\alpha > 0$ && $\beta > 0$

(No massless particles)