PSALTer results panel

Wave operator and propagator

$$\mathcal{S} == \int\int\int\int (\phi\,(-\beta\ \phi + j) + \alpha\ \partial_\alpha \phi\ \partial^\alpha \phi)[t, x, y, z]\, d\!l\ z\ d\!l\ y\ d\!l\ x$$

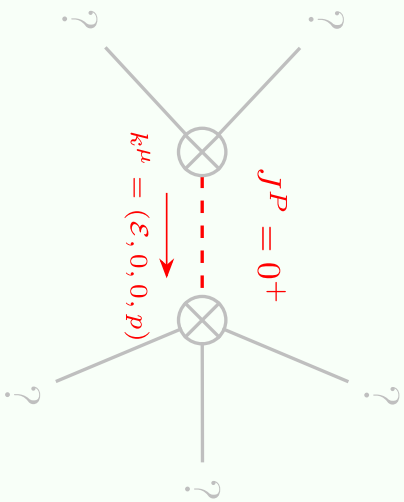
(No source constraints)

$$\overset{0^+}{\cdot}\phi\,\dagger \boxed{-\beta + \alpha\ k^2}\ \overset{0^+}{\cdot}\phi \qquad \overset{0^+}{\cdot}j\ \overset{0^+}{\cdot}j\,\dagger \boxed{\frac{1}{-\beta+\alpha\ k^2}}$$

Massive and massless spectra

Poleresidue:	$\frac{1}{\alpha} > 0$
Squaremass:	$\frac{\beta}{\alpha} > 0$
Spin:	0
Parity:	Even

Massive particle



(No particles)

Unitarity conditions