

# PSALTer results panel

## Wave operator and propagator

$S = \iiint (\phi(-\beta \phi + j) + \alpha \partial_\alpha \phi \partial \phi)(t, x, y, z) d^3z d^3y d^3x$  (No source constraints)

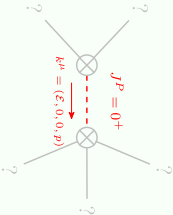
$\phi^\dagger j + \boxed{\frac{1}{-\beta + \alpha k^2}}$

$\phi^\dagger \phi + \boxed{-\beta + \alpha k^2}$

## Massive and massless spectra

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

Massive particle



(No particles)

## Unitarity conditions

