

Wave operator and propagator

$$S = \iiint (f^{\alpha\beta} \tau_{\alpha\beta} + \frac{1}{2} t_1 (2 \partial_{\beta f} \mu_{\mu} \partial^{\beta} f^{\alpha}_{\alpha} + 2 \partial_{\beta f} f^{\alpha\beta} \partial_{\mu} f_{\alpha}^{\mu} - 4 \partial^{\beta} f^{\alpha}_{\alpha} \partial_{\mu} f_{\beta}^{\mu} + 2 \partial_{\alpha} f_{\beta\mu} \partial^{\mu} f^{\alpha\beta} + \partial_{\alpha} f_{\mu\beta} \partial^{\mu} f^{\alpha\beta} - \partial_{\beta} f_{\alpha\mu} \partial^{\mu} f^{\alpha\beta} - \partial_{\mu} f_{\alpha\beta} \partial^{\mu} f^{\alpha\beta} - \partial_{\mu} f_{\beta\alpha} \partial^{\mu} f^{\alpha\beta})) [t, x, y, z] d^3x dt$$

Spin-parity form	Covariant form	Multiplicities
$\#2$ $0^+ \tau = 0$	$\partial_\beta \partial_\alpha \tau^{\alpha\beta} = 0$	1
$\#2$ $1^- \tau = 0$	$\partial_\chi \partial_\beta \partial_\alpha \tau^{\beta\chi} = \partial_\chi \partial^\alpha \partial_\beta \tau^{\alpha\beta}$	3
$\#1$ $1^- \tau = 0$	$\partial_\chi \partial_\beta \partial^\alpha \tau^{\beta\chi} = \partial_\chi \partial^\alpha \partial_\beta \tau^{\beta\alpha}$	3
$\#1$ $1^+ \tau = 0$	$\partial_\chi \partial^\alpha \tau^{\beta\chi} + \partial_\chi \partial^\beta \tau^{\chi\alpha} + \partial_\chi \partial^\alpha \tau^{ab} = \partial_\chi \partial^\alpha \tau^{\chi\beta} + \partial_\chi \partial^\beta \tau^{\alpha\chi} + \partial_\chi \partial^\alpha \tau^{\beta\alpha}$	3
Total expected gauge generators:		10

[illegible]

Massive and massless spectra

(No particles)

Massless particle

Pole residue: $-\frac{1}{t_2} > 0$

Polarisations: 2

Unitarity conditions