Particle spectrograph

Wave operator and propagator

Spin-parity form	Covariant form	Multiplicities
$0^{+}_{\#2}\ \tau == 0$	$\partial_\beta \partial_\alpha \tau^{\alpha\beta} == 0$	1
$1^{-}_{\#2}\ \tau^{\alpha} == 0$	$\partial_\chi \partial_\beta \partial^\alpha f^{\beta\chi} == \partial_\chi \partial^\chi \partial_\beta \tau^{\alpha\beta}$	3
Total expected gauge generators:		4

$$S == \iiiint \left(f^{\alpha\beta}\ \tau_{\alpha\beta} + 2\ r_1 \left(-\partial_\nu f_{\mu\rho} + \partial_\rho f_{\mu\nu}\right) \partial^\rho f^{\mu\nu} \right) [t, x, y, z]\, dt\ dz\ dy\ dx$$

Massive and massless spectra

Massless particle

Pole residue:	$\frac{1}{r_1} > 0$
Polarisations:	6

Massless particle

Pole residue:	$-\frac{1}{r_1} > 0$
Polarisations:	2

(No particles)

Unitarity conditions