Particle spectrograph

Wave operator and propagator

	$\mathcal{T}^{\#1}_{1^+}{}^{\alpha\beta}$	$\mathcal{T}^{\#1}_{1^-}{}^{\alpha}$
$\mathcal{T}^{\#1}_{1^+}{}_{\alpha\beta}$	$\frac{3}{\gamma\, \not{k}^2}$	0
$\mathcal{T}^{\#1}_{1^-}{}_{\alpha}$	0	0

	$\mathcal{B}^{\#1}_{1^+}{}^{\alpha\beta}$	$\mathcal{B}^{\#1}_{1^-}{}^{\alpha}$
$\mathcal{B}^{\#1}_{1^+}{}_{\alpha\beta}$	$\frac{\gamma\, \not{k}^2}{3}$	0
$\mathcal{B}^{\#1}_{1^-}{}_{\alpha}$	0	0

Spin-parity form	Covariant form	Multiplicities
$\mathcal{T}^{\#1}_{1^-}{}^{\alpha} == 0$	$\partial_\beta \mathcal{T}^{\alpha\beta} == 0$	3
Total expected gauge generators:		3

$$S == \int\int\int\int (\mathcal{B}^{\alpha\beta}\ \mathcal{T}_{\alpha\beta} + \tfrac{1}{3}\,\gamma\,(-2\,\partial_\beta \mathcal{B}_{\alpha\chi} + \partial_\chi \mathcal{B}_{\alpha\beta})\,\partial^\chi \mathcal{B}^{\alpha\beta})[t, x, y, z]\,dz\ \ dy\ \ dx\ \ c$$

Massive and massless spectra

(No massive particles)

Massless particle

Poleresidue:	$\frac{1}{\gamma} > 0$
Polarisations:	1

Unitarity conditions

$\gamma > 0$