Particle spectrograph

Wave operator and propagator

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

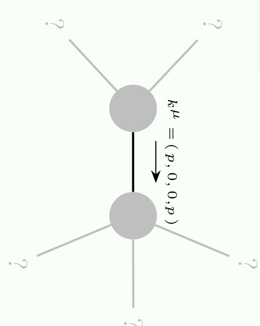
	$\mathcal{J}^{\#1}_{1^+\,\alpha\beta}$	$\mathcal{J}^{\#1}_{1^-\,\alpha}$
$\mathcal{J}^{\#1}_{1^+}{}^{\dagger\alpha\beta}$	$\frac{3}{\gamma k^2}$	0
$\mathcal{J}^{\#1}_{1^-}{}^{\dagger\alpha}$	0	0

	$\mathcal{B}^{\#1}_{1^+\,\alpha\beta}$	$\mathcal{B}^{\#1}_{1^-\,\alpha}$
$\mathcal{B}^{\#1}_{1^+}{}^{\dagger\alpha\beta}$	$\frac{\gamma k^2}{3}$	0
$\mathcal{B}^{\#1}_{1^-}{}^{\dagger\alpha}$	0	0

$$\mathcal{S} == \iiiint (\mathcal{B}^{\alpha\beta}\ \mathcal{J}_{\alpha\beta} + \frac{1}{3}\ \gamma\ (\text{-}2\ \partial_\beta \mathcal{B}_{\alpha\chi} + \partial_\chi \mathcal{B}_{\alpha\beta})\ \partial^\chi \mathcal{B}^{\alpha\beta})[t, x, y, z]\ dz\ dy\ dx\ dt$$

Massive and massless spectra

Massless particle	
Pole residue:	$\frac{1}{\gamma} > 0$
Polarisations:	1



(No massive particles)

Unitarity conditions

$\gamma > 0$