

Particle spectrograph

Wave operator and propagator

Spin-parity form		Covariant form		Multiplicities	
$\begin{matrix} \#1 \\ 1 \cdot \mathcal{J}^{\alpha} \end{matrix}$	$\begin{matrix} \alpha\beta \\ 1 \cdot \mathcal{J}^{\alpha} \end{matrix}$	$\partial_{\beta} \mathcal{J}^{\alpha\beta}$	$\begin{matrix} \#1 \\ 1 \cdot \mathcal{B}^{\alpha\beta} \end{matrix}$	$\begin{matrix} \alpha\beta \\ 1 \cdot \mathcal{B}^{\alpha\beta} \end{matrix}$	$\begin{matrix} \#1 \\ 1 \cdot \mathcal{B}^{\alpha} \end{matrix}$
$1 \cdot \mathcal{J}^{\alpha} == 0$	$\frac{3}{\gamma \, k^2}$	0	$\frac{\gamma \, k^2}{3}$	0	0
Total expected gauge generators:		0		3	

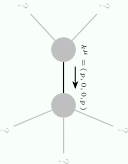
$$S = \iiint \left(\mathcal{B}^{\alpha\beta} \, \mathcal{J}_{\alpha\beta} + \frac{1}{3} \, \gamma \, (-2 \, \partial_{\beta} \mathcal{B}_{\alpha\chi} + \partial_{\chi} \mathcal{B}_{\alpha\beta}) \, \partial^{\chi} \mathcal{B}^{\alpha\beta} \right) [t, \, x, \, y, \, z] \, d \, z \, d \, y \, d \, x$$

Massive and massless spectra

Massless particle

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

(No massive particles)



Unitarity conditions

$$\gamma > 0$$