

Particle spectrograph

Wave operator and propagator

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

$\begin{matrix} \#1 \\ 1^+ \end{matrix} \mathcal{T}_{\alpha\beta}$
 $\begin{matrix} \#1 \\ 1^- \end{matrix} \mathcal{T}_\alpha$

$\frac{1}{\delta + \frac{\gamma k^2}{3}}$	0
0	$\frac{1}{\delta}$

$\begin{matrix} \#1 \\ 1^+ \end{matrix} \mathcal{B}_{\alpha\beta}$
 $\begin{matrix} \#1 \\ 1^- \end{matrix} \mathcal{B}_\alpha$

$\delta + \frac{\gamma k^2}{3}$	0
0	δ

(No source constraints)

Massive and massless spectra

Poleresidue:	$\frac{3}{\gamma} > 0$
Square mass:	$\frac{3\delta}{\gamma} > 0$
Spin:	1
Parity:	Even

Massive particle

(No massless particles)

Unitarity conditions

