

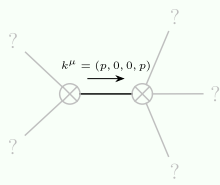
Wave operator and propagator

$$\begin{aligned}
& + f^{\alpha\beta} \quad \tau_{\alpha\beta} + \mathcal{G}^{\alpha\beta} \quad \mathcal{T}_{\alpha\beta} + c_3 (2\partial_{\beta}^{\alpha} \partial_{\gamma}^{\beta} f^{\alpha}{}_{\gamma} - 2\partial_{\beta}^{\alpha} f^{\alpha}{}_{\gamma} \partial_{\gamma}^{\beta} x^{\gamma} + 2\partial_{\beta}^{\alpha} f^{\alpha\beta} (\partial_{\gamma}^{\beta} x^{\gamma} + 2\partial_{\gamma}^{\beta} \mathcal{G}^{\alpha}{}_{\gamma} x^{\gamma})) - \\
& \partial_{\alpha} \mathcal{G}^{\alpha\beta} \partial_{\gamma} \mathcal{G}^{\gamma}{}_{\beta} x^{\gamma} - 2\partial_{\beta}^{\alpha} f^{\alpha}{}_{\gamma} \partial_{\gamma}^{\beta} \mathcal{G}^{\gamma}{}_{\alpha} - \frac{1}{3} \partial_{\alpha} (2\partial_{\beta} \mathcal{G}^{\alpha\beta} - \partial_{\gamma}^{\alpha} \mathcal{G}^{\gamma\beta}) \partial^{\gamma} \mathcal{G}^{\alpha\beta} + \\
& 2c_1 (-2\partial_{\alpha} f^{\alpha\beta} \partial_{\beta} x^{\gamma} - \partial_{\alpha} f^{\alpha\beta} \partial_{\beta}^{\gamma} x^{\gamma} + \partial_{\alpha} f^{\alpha\beta} \partial_{\beta}^{\gamma} \mathcal{G}^{\gamma}{}_{\alpha} + 4\partial_{\beta} \mathcal{G}^{\alpha\beta} \partial_{\alpha}^{\gamma} \mathcal{G}^{\gamma}{}_{\beta} + \\
& \partial_{\alpha}^{\beta} \mathcal{G}^{\alpha\beta} \partial_{\beta}^{\gamma} \mathcal{G}^{\gamma}{}_{\alpha} + \partial_{\alpha}^{\beta} \mathcal{G}^{\alpha\beta} \partial_{\beta}^{\gamma} \mathcal{G}^{\gamma}{}_{\alpha} + 2\partial_{\beta} \mathcal{G}^{\alpha\beta} \partial_{\alpha}^{\gamma} \mathcal{G}^{\gamma}{}_{\beta}) [t, x, y, z] d x d y d z d t
\end{aligned}$$

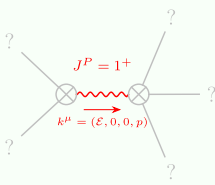
[illegible]

Spin-parity form	Covariant form	Multiplicities
$0^+ \tau == 0$	$\partial_\beta \partial_\alpha \tau^{\alpha\beta} == 0$	1
$1^- \tau^{\alpha} == 0$	$\partial_\chi \partial_\beta \partial^\alpha \tau^{\beta\chi} == \partial_\chi \partial^\chi \partial_\beta \tau^{\beta\alpha}$	3
$1^+ \tau^{\alpha\beta} == 0$	$\partial_\chi \partial^\alpha \tau^{\beta\chi} + \partial_\chi \partial^\beta \tau^{\chi\alpha} + \partial_\chi \partial^\chi \tau^{\alpha\beta} == \partial_\chi \partial^\alpha \tau^{\chi\beta} + \partial_\chi \partial^\beta \tau^{\alpha\chi} + \partial_\chi \partial^\chi \tau^{\beta\alpha}$	3
Total expected gauge generators:		7

Massive and massless spectra



Massless particle

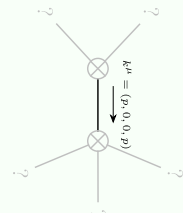


Massive particle

Polesresidue:	$\frac{4+(4c_1+c_3)^2}{c_1(4c_1+c_3)(4c_1+3c_3)} > 0$
Polarisations:	1

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

Poleresidue:	$\frac{1}{c_1} > 0$
Polarisations:	2



Massless particle

Unitarity conditions