

$$S := \iiint \left(2 \mathcal{A}_{\alpha}^{\beta} \mathcal{A}_{\beta\chi}^{\alpha} + \mathcal{A}^{\alpha\beta\chi} \left(-2 \mathcal{A}_{\beta\chi\alpha} + 4 \mathcal{W}_{\alpha\beta\chi} \right) + 4 \mathcal{I}^{\alpha\beta} \mathcal{h}_{\alpha\beta} - \mathcal{A}_{\chi}^{\chi} \mathcal{h}_{\chi}^{\chi} \partial \mathcal{A}^{\alpha\beta}_{\alpha} + \mathcal{A}_{\chi}^{\chi} \mathcal{h}_{\beta}^{\beta} \partial \mathcal{A}^{\alpha\beta}_{\alpha} - 2 \mathcal{A}_{\chi}^{\chi} \partial \mathcal{A}^{\alpha\beta\chi}_{\alpha} + 2 \mathcal{A}_{\beta\chi}^{\chi} \partial \mathcal{A}^{\alpha\beta}_{\alpha} + 4 \mathcal{C}_{\alpha} \mathcal{h}_{\chi}^{\chi} \partial \mathcal{A}^{\alpha\beta}_{\beta} - 4 \mathcal{C}_{\beta} \mathcal{h}_{\alpha}^{\alpha} \partial \mathcal{A}^{\alpha\beta}_{\beta} \right); x, y, z | dz dy dx dt$$
[illegible][illegible]

Spin-parity form	Covariant form	Multiplicities
$k \, {}^0_0 \gamma_\omega \omega^{\pm} + 2 \, k \, {}^0_0 \gamma_\omega \omega^{\pm h} - 6 \, i \, {}^0_0 \gamma^{\pm} \omega^{\pm} = 0$	$2 \, \partial_\beta \partial_\alpha \gamma^{\alpha\beta} + \partial_\alpha \partial_\alpha \gamma^{\alpha} \omega^{\alpha\beta} = \partial_\alpha \partial_\beta \partial_\alpha \omega^{\alpha\beta X}$	1
$k \, {}^1_1 \gamma_\omega \omega^{\pm t} + 2 \, i \, {}^0_1 \gamma^{\pm} \omega^{\pm} = 0$	$2 \, \partial_\beta \partial_\alpha \gamma^{\alpha\beta} = \partial_\alpha \partial_\beta \partial_\alpha \omega^{\alpha\beta X}$	1
$k \, {}^1_1 \gamma_\omega \omega^{\pm} + 6 \, i \, {}^1_1 \gamma^{\pm} \omega^{\pm} = 0$	$2 \, \partial_\alpha \partial_\beta \partial_\alpha \gamma^{\alpha\beta X} + \partial_\alpha \partial_\alpha \partial_\beta \partial_\beta \omega^{\alpha\beta X} = 2 \, \partial_\alpha \partial_\alpha \partial_\beta \partial_\beta \omega^{\alpha\beta} + \partial_\alpha \partial_\alpha \partial_\beta \partial_\beta \omega^{\alpha\beta X}$	3
Total expected gauge generators:		5

(No particles)

Massless particle

Massless particle

Pole residue: $\frac{1}{c_5} > 0$

Pole residue: $\frac{E^2}{a_0^2} > 0$

Polarisations: 2

Polarisations: 2

$$a_0 < 0 \ \&\& \ c_5 > 0$$