					\sim 1		
$\tau_{1}^{\#2}{}_{\alpha}$	0	0	0	$\frac{4i}{k(1+2k^2)(r_3+2r_5)}$	$\frac{i\sqrt{2}(3k^2(r_3+2r_5)+4t_3)}{k(1+2k^2)^2(r_3+2r_5)t_3}$	0	$\frac{6k^2(r_3+2r_5)+8t_3}{(1+2k^2)^2(r_3+2r_5)t_3}$
$\tau_{1^-}^{\#1}\alpha$	0	0	0	0	0	0	0
$\sigma_{1}^{\#2}{}_{\alpha}$	0	0	0	$\frac{2\sqrt{2}}{k^2(1+2k^2)(r_3+2r_5)}$	$\frac{3 k^2 (r_3 + 2 r_5) + 4 t_3}{(k + 2 k^3)^2 (r_3 + 2 r_5) t_3}$	0	$-\frac{i\sqrt{2}(3k^2(r_3+2r_5)+4t_3)}{k(1+2k^2)^2(r_3+2r_5)t_3}$
$\sigma_{1^{-}\alpha}^{\#1}$	0	0	0	$\frac{2}{k^2 (r_3 + 2 r_5)}$	$\frac{2\sqrt{2}}{k^2(1+2k^2)(r_3+2r_5)}$	0	$-\frac{4i}{k(1+2k^2)(r_3+2r_5)}$
$\tau_1^{\#1}\!$	0	0	0	0	0	0	0
$\sigma_{1}^{\#2}_{+\alpha\beta}\ \tau_{1}^{\#1}_{+\alpha\beta}$	0	0	0	0	0	0	0
$\sigma_1^{\#1}{}_+\alpha\beta$	$\frac{1}{k^2 (2 r_3 + r_5)}$	0	0	0	0	0	0
	$\sigma_{1}^{\#1} + ^{lphaeta}$	$\sigma_1^{\#2} + \alpha^{\beta}$	$\tau_1^{\#1} + \alpha \beta$	$\sigma_{1}^{\#1} +^{lpha}$	$\sigma_{1}^{\#2} +^{lpha}$	$\tau_{1}^{\#_{1}} +^{\alpha}$	$t_1^{\#2} + \alpha$

	$\omega_{0^+}^{\sharp 1}$	$f_{0^{+}}^{#1}$	$f_{0}^{#2}$	$\omega_0^{\#1}$
$\omega_{0}^{\sharp 1}$ †	t_3	$-i \sqrt{2} kt_3$	0	0
$f_{0}^{#1}\dagger$	$i \sqrt{2} kt_3$	$2k^2t_3$	0	0
$f_{0+}^{#2}\dagger$	0	0	0	0
$\omega_{0}^{\#1}$ †	0	0	0	$k^2 r_2$

	$\omega_{2^{+}\alpha\beta}^{\#1}$	$f_{2}^{\#1}{}_{\alpha\beta}$	$\omega_{2}^{\#1}{}_{\alpha\beta\chi}$
$\omega_{2}^{\#1} \dagger^{\alpha\beta}$	$-\frac{3k^2r_3}{2}$	0	0
$f_2^{#1} \dagger^{\alpha\beta}$	0	0	0
$\omega_{2}^{\#1}\dagger^{\alpha\beta\chi}$	0	0	0

	$\sigma_{0}^{\#1}$	$\tau_{0}^{\#1}$	$ au_{0}^{\#2}$	$\sigma_0^{\#1}$
$\sigma_{0}^{\#1}$ †	$\frac{1}{(1+2k^2)^2t_3}$	$-\frac{i\sqrt{2}k}{(1+2k^2)^2t_3}$	0	0
$\tau_{0}^{\#1}$ †	$\frac{i\sqrt{2} k}{(1+2k^2)^2 t_3}$	$\frac{2k^2}{(1+2k^2)^2t_3}$	0	0
$ au_{0^{+}}^{\#2} \dagger$	0	0	0	0
$\sigma_{0}^{\#1}$ †	0	0	0	$\frac{1}{k^2 r_2}$

$\frac{2}{3}t_{3}\omega_{\mu}^{\alpha\prime}\omega_{\kappa\alpha}^{\kappa} - \frac{1}{2}r_{3}\partial_{\nu}\omega^{\kappa\lambda}_{\kappa}\partial^{\prime}\omega_{\lambda}^{\alpha} - r_{5}\partial_{\nu}\omega^{\kappa\lambda}_{\kappa}\partial^{\prime}\omega_{\lambda}^{\alpha} +$ $\frac{2}{3}r_{2}\partial^{\beta}\omega^{\beta\alpha}_{\kappa}\omega_{\alpha\beta}^{\kappa} - \frac{1}{3}r_{2}\partial_{\theta}\omega_{\alpha\beta}^{\kappa}\partial_{\kappa}\omega^{\alpha\beta\theta} - \frac{2}{3}r_{2}\partial_{\theta}\omega_{\alpha\beta}^{\kappa}\partial_{\kappa}\omega^{\beta\alpha\beta} +$ $\frac{1}{2}r_{3}\partial_{\alpha}\omega_{\lambda}^{\alpha}\partial_{\kappa}\omega^{\theta\kappa\lambda} - r_{5}\partial_{\alpha}\omega_{\lambda}^{\alpha}\partial_{\kappa}\omega^{\theta\kappa\lambda} - \frac{1}{2}r_{3}\partial_{\theta}\omega_{\lambda}^{\alpha}\partial_{\kappa}\omega^{\theta\kappa\lambda} +$ $r_{5}\partial_{\theta}\omega_{\lambda}^{\alpha}\partial_{\kappa}\omega^{\theta\kappa\lambda} - \frac{1}{2}r_{3}\partial_{\alpha}\omega_{\lambda}^{\alpha}\partial_{\kappa}\omega^{\kappa\lambda\theta} - r_{5}\partial_{\alpha}\omega_{\lambda}^{\alpha}\partial_{\kappa}\omega^{\kappa\lambda\theta} +$ $r_{3}\partial_{\theta}\omega_{\lambda}^{\alpha}\partial_{\kappa}\omega^{\kappa\lambda\theta} + 2r_{5}\partial_{\theta}\omega_{\lambda}^{\alpha}\partial_{\kappa}\omega^{\kappa\lambda\theta} - \frac{2}{3}t_{3}\omega_{\kappa}^{\alpha}\partial_{\kappa}f'_{\gamma} -$	$\frac{2}{3}t_3 \omega_{\kappa\lambda}^{\lambda} \partial^{\kappa} f'_{, -\frac{4}{3}}t_3 \partial^{\alpha} f_{\kappa\alpha} \partial^{\kappa} f'_{, +\frac{2}{3}}t_3 \partial_{\kappa} f'_{\lambda}^{\lambda} \partial^{\kappa} f'_{, +}$ $\frac{2}{3}t_3 \omega_{\kappa\lambda}^{\alpha} \partial^{\kappa} f'_{, +\frac{2}{3}}t_3 \omega_{,\lambda}^{\lambda} \partial^{\kappa} f'_{, +\frac{2}{3}}t_3 \partial^{\alpha} f'_{\lambda} \partial^{\kappa} f_{\lambda\kappa} +$ $\frac{1}{3}r_2 \partial_{\kappa} \omega^{\alpha\beta\theta} \partial^{\kappa} \omega_{\alpha\beta\theta} + \frac{2}{3}r_2 \partial_{\kappa} \omega^{\theta\alpha\beta} \partial^{\kappa} \omega_{\alpha\beta\theta} - \frac{2}{3}r_2 \partial^{\beta} \omega_{,\alpha}^{\lambda} \partial_{\lambda} \omega_{\alpha\beta}^{\lambda} +$ $\frac{2}{3}r_2 \partial^{\beta} \omega_{,\lambda}^{\lambda} \partial_{\lambda} \omega_{\alpha\beta}^{\mu} - 4r_3 \partial^{\beta} \omega_{,\lambda}^{\lambda} \partial_{\lambda} \omega_{\alpha\beta}^{\mu} - \frac{1}{2}r_3 \partial_{\alpha} \omega_{\lambda}^{\lambda} \partial_{\alpha} \partial_{\lambda}^{\mu} \partial_{\kappa}^{\kappa} +$ $\frac{2}{3}r_2 \partial^{\beta} \omega_{,\lambda}^{\lambda} \partial_{\lambda} \omega_{\alpha\beta}^{\mu} - 4r_3 \partial^{\beta} \omega_{,\lambda}^{\lambda} \partial_{\lambda} \omega_{\alpha\beta}^{\mu} - \frac{1}{2}r_3 \partial_{\alpha} \omega_{\lambda}^{\lambda} \partial_{\alpha} \partial_{\lambda}^{\mu} \partial_{\kappa}^{\kappa} +$ $r_5 \partial_{\alpha} \omega_{\lambda}^{\lambda} \partial_{\alpha} \partial_{\lambda}^{\mu} \partial_{\kappa}^{\kappa} + \frac{1}{2}r_3 \partial_{\theta} \omega_{\lambda}^{\lambda} \partial_{\lambda}^{\mu} \partial_{\kappa}^{\kappa} - r_5 \partial_{\theta} \omega_{\lambda}^{\lambda} \partial_{\alpha}^{\lambda} \partial_{\lambda}^{\mu} \partial_{\kappa}^{\kappa} +$	Added source term: $ f^{\alpha\beta} _{T} + \omega^{\alpha\beta\chi} _{Q}$
---	---	--

	#	1	1	3	3	3	3	2	2	24
Source constraints	SO(3) irreps	$t_0^{\#2} = 0$	$t_{0+}^{\#1} - 2 i k \sigma_{0+}^{\#1} == 0$	$t_{1}^{\#2}{}^{\alpha} + 2ik \sigma_{1}^{\#2}{}^{\alpha} == 0$	$t_{1}^{\#1}{}^{\alpha} == 0$	$\tau_1^{\#1}{}^{\alpha\beta} == 0$	$\sigma_{1}^{\#2}\alpha\beta==0$	$\sigma_{2^{-}}^{\#1}\alpha\beta\chi==0$	$\tau_{2+}^{\#1}\alpha\beta=0$	Total #:

	$\sigma_{2^{+}\alpha\beta}^{\#1}$	$\tau_{2}^{\#1}{}_{\alpha\beta}$	$\sigma_{2}^{\#1}{}_{\alpha\beta\chi}$
$\sigma_{2}^{\#1} \dagger^{\alpha\beta}$	$-\frac{2}{3k^2r_3}$	0	0
$\tau_2^{\#1} \dagger^{\alpha\beta}$	0	0	0
$\sigma_{2}^{\#1}\dagger^{\alpha\beta\chi}$	0	0	0

	$\omega_{1^{+}lphaeta}^{\#1}$	$\omega_{1}^{\#2}{}_{\alpha\beta}$	$f_{1}^{\#1}{}_{\alpha\beta}$	$\omega_1^{\sharp 1}{}_{lpha}$	$\omega_{1-\alpha}^{\#2}$	$f_{1-\alpha}^{\#1}$	$f_{1-\alpha}^{\#2}$
$\omega_{1}^{\#1} \dagger^{\alpha\beta}$	$k^2 (2 r_3 + r_5)$	0	0	0	0	0	0
$\omega_{1}^{\#2}\dagger^{\alpha\beta}$	0	0	0	0	0	0	0
$f_{1}^{#1} \dagger^{\alpha\beta}$	0	0	0	0	0	0	0
$\omega_1^{\sharp 1} \dagger^{\alpha}$	0	0	0	$k^2 \left(\frac{r_3}{2} + r_5 \right) + \frac{2t_3}{3}$	$-\frac{\sqrt{2} t_3}{3}$	0	$-\frac{2}{3}ikt_3$
$\omega_1^{\#2} \uparrow^{\alpha}$	0	0	0	$-\frac{\sqrt{2} t_3}{3}$	<u>tз</u> 3	0	$\frac{1}{3}i\sqrt{2}kt_3$
$f_{1}^{\#1} \dagger^{\alpha}$	0	0	0	0	0	0	0
$f_{1}^{#2} \dagger^{\alpha}$	0	0	0	<u>2ikt3</u> 3	$-\frac{1}{3}\bar{l}\sqrt{2}kt_3$	0	$\frac{2k^2t_3}{3}$

PDFTools`Private`PDFReader[537]

(No massive particles)

Lagrangian density

Quadratic pole

Polarisations: 2

Unitarity conditions $r_3 < 0 \&\& (r_5 < -\frac{r_3}{2} || r_5 > -2 r_3) || r_3 > 0 \&\& -2 r_3 < r_5 < -\frac{r_3}{2}$