Lagrangian density $-2\beta_{1} \omega_{\alpha \beta} \omega^{\alpha \beta \chi} - 2\beta_{1} \omega_{\alpha}^{\chi \delta} \omega_{\alpha}^{\alpha} + f^{\alpha \beta} \tau_{\alpha \beta} + \omega^{\alpha \beta \chi} \sigma_{\alpha \beta \chi} - 2\beta_{1} \omega_{\alpha}^{\chi} \partial_{\beta} f^{\alpha \beta} - 2\beta_{1} \omega_{\alpha \chi}^{\chi} \partial_{\beta} f^{\alpha \beta} - 2\beta_{1} \omega_{\alpha \chi}^{\chi} \partial_{\beta} f^{\alpha \beta} + \beta_{1} \partial_{\beta} \omega^{\alpha \beta} + \beta_{2}^{2} \alpha_{3} \partial^{\alpha} \omega^{\beta \zeta} \partial_{\beta} \omega_{\zeta \alpha}^{\chi} + 2\beta_{1} \omega_{\beta}^{\beta} \partial_{\beta} \omega_{\alpha}^{\chi} \partial_{\beta} f^{\alpha} + 2\beta_{1} \partial_{\beta} f^{\alpha} \partial_{\gamma} \omega^{\beta \zeta} \partial_{\beta} f^{\alpha} \partial_{\gamma} \partial_{$	$P_{1}O_{\chi I}^{1} \beta_{\beta} O_{I} \delta_{\beta} + P_{1}O_{\chi I}^{1} \beta_{\beta} O_{I} \delta_{\beta} + \frac{2}{3} \alpha_{3} O_{\chi} \omega_{\beta} O_{\zeta \alpha \beta} + \frac{2}{3} \alpha_{3} O_{\zeta} \omega_{\beta} O_{\zeta \beta} O_$
--	--

constraints	#	1	1	3	3	3	8	3	3	3	5	5	33
onrce	SO(3) irreps	$\tau_{0}^{#2} == 0$	$\sigma_{0}^{\#1} == 0$	$t_1^{\#2\alpha} == 0$	$t_1^{\#1\alpha} == 0$	$\sigma_1^{\#2}\alpha == 0$	$\sigma_{1}^{\#1}{}^{\alpha}=0$	$\tau_1^{\#1}\alpha\beta=0$	$\sigma_{1+}^{\#2}\alpha\beta==0$	$\sigma_{1}^{\#1}\alpha\beta=0$	$\sigma_{2^+}^{\#1\alpha\beta} == 0$	$\sigma_{2}^{\#1}\alpha\beta\chi$ == 0	Total #:

	$\sigma_{0}^{\#1}$	$\tau_{0}^{\#1}$	$ au_{0}^{\#2}$	$\sigma_0^{\#1}$
$\sigma_{0^+}^{\#1}\dagger$	0	0	0	0
$\tau_{0}^{\#1}$ †	0	$-\frac{1}{4\beta_1 k^2}$	0	0
$ au_{0}^{\#2} \dagger$	0	0	0	0
$\sigma_{0}^{\#1}$ †	0	0	0	$\frac{1}{\alpha_3 k^2}$

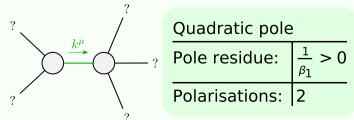
$\tau_{2}^{\#1}{}_{\alpha\beta}\ \sigma_{2}^{\#1}{}_{\alpha\beta\chi}$	0	0	Û
$\tau_{2}^{\#1}{}_{\alpha\beta}$	0	$\frac{1}{2\beta_1k^2}$	U
$\sigma_{2}^{\#1}{}_{lphaeta}$ 1	0	0	U
	$\sigma_2^{\#1} + \alpha \beta$	$\tau_2^{\#1} + \alpha\beta$	$_{7}^{\#1} + \alpha \beta \chi$

$f_{1^{-}}^{\#2}$	0	0	0	0	0	0	0
$f_{1}^{\#1}$	0	0	0	0	0	0	0
$\omega_{1^{-}\alpha}^{\#2}$	0	0	0	0	0	0	0
$\omega_{1^{^{-}}\alpha}^{\#1}$	0	0	0	0	0	0	0
$f_{1}^{\#1}\alpha\beta$	0	0	0	0	0	0	0
$\omega_{1}^{\#2}{}_{\alpha\beta}$	0	0	0	0	0	0	0
$\omega_1^{\#1}{}_+\alpha\beta$	0	0	0	0	0	0	0
	$\omega_1^{\#1} + \alpha \beta$	$\omega_1^{\#_2^2} +^{\alpha\beta}$	$f_{1}^{#1} + \alpha \beta$	$\omega_{1^{\bar{-}}}^{\#1} \dagger^{\alpha}$	$\omega_{1}^{\#2} +^{lpha}$	$f_{1}^{\#1} \dagger^{lpha}$	$f_{1}^{#2} +^{\alpha}$

-2 α		0	0	0	0	0	0
$\alpha t_{1}^{\#2}$)))
$ au_{1^{-}}^{\#1}$	0	0	0	0	0	0	0
$\sigma_{1}^{\#2}{}_{lpha}$	0	0	0	0	0	0	0
$\sigma_{1^-}^{\#1}{}_{lpha}$	0	0	0	0	0	0	0
$\tau_1^{\#1}_+ \alpha \beta$	0	0	0	0	0	0	0
$\sigma_{1}^{\#2}$	0	0	0	0	0	0	0
$\sigma_1^{\#1}{}_+ \alpha eta$	0	0	0	0	0	0	0
	$+^{\alpha\beta}$	$\pm 4\alpha\beta$	$+\alpha \beta$	$r_{1}^{\#1} + \alpha$	$\sigma_{1}^{\#2} +^{\alpha}$	$\dot{t}_1 + \alpha$	$\frac{1}{1} + \frac{1}{4}$
	$\sigma_1^{\#1}$	$\sigma_1^{\#2}$	$\tau_1^{\#1}$	$\mathcal{J}_{1}^{\#}$	$\sigma_1^{\scriptscriptstyle \#}$	$t_1^{\#^{ o}}$	$ au_1^{\#}$

	$\omega_{2^{+}\alpha\beta}^{\#1}$	$f_{2}^{\#1}{}_{\alpha\beta}$	$\omega_{2}^{\#1}{}_{\alpha\beta\chi}$
$\omega_{2}^{\#1}\dagger^{lphaeta}$	0	0	0
$f_{2+}^{\#1}\dagger^{\alpha\beta}$	0	$2 \beta_1 k^2$	0
$\omega_{2}^{\#1}\dagger^{lphaeta\chi}$	0	0	0

	$\omega_0^{\sharp 1}$	$f_{0}^{#1}$	$f_{0}^{#2}$	$\omega_0^{\#1}$
$\omega_{0}^{\#1}$ †	0	0	0	0
$f_{0}^{#1}$ †	0	$-4 \beta_1 k^2$	0	0
$f_{0}^{#2}$ †	0	0	0	0
$\omega_0^{\#1}$ †	0	0	0	$\alpha_3 k^2$



(No massive particles)