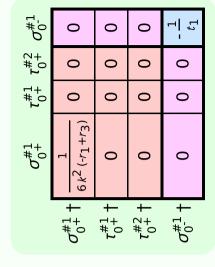
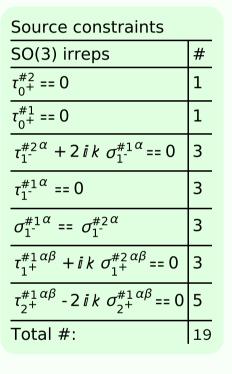
Lagrangian density
$-rac{1}{3}t_1\;\omega_{,}^{\alpha\prime}\;\omega_{\kappalpha}^{\;\;\;\kappa}$ $-t_1\;\omega_{_{\kappa\lambda}}^{\;\;\;\kappa\lambda}\;\omega_{_{\kappa\lambda}}^{\;\;\;\prime}+f^{lphaeta}\; au_{_{etaeta}}+\omega_{lphaeta\chi}\;\sigma_{lphaeta\chi}$ $+$
$r_1 \partial_i \omega^{\kappa \lambda}_{\ \ \kappa} \partial^i \omega_{\lambda}^{\ \ \alpha} - rac{2}{3} r_1 \partial^{eta} \omega^{eta lpha}_{\ \ \kappa} \partial_{eta} \omega_{lpha eta}^{\ \ \ \kappa} - rac{2}{3} r_1 \partial_{eta} \omega_{lpha eta}^{\ \ \ \ \kappa} \partial_{\kappa} \omega^{lpha eta eta} +$
$rac{2}{3} r_1 \partial_{ heta} \omega_{lphaeta}^{\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $
$3r_1\partial_ heta\omega_\lambda^{lpha}\partial_\kappa\omega^{ heta\kappa\lambda}$ - $4r_3\partial_ heta\omega_\lambda^{lpha}\partial_\kappa\omega^{ heta\kappa\lambda}+r_1\partial_lpha\omega_\lambda^{lpha}\partial_\kappa\omega^{\kappa\lambda heta}$ -
$2r_1\partial_\theta\omega_\lambda^{\alpha}\partial_\kappa\omega^{\kappa\lambda\theta}-\frac{1}{2}t_1\partial^\alpha f_{\beta}\partial^\kappa f_{\alpha}^{\theta}-\frac{1}{2}t_1\partial^\alpha f_{\kappa\theta}\partial^\kappa f_{\theta}^{\theta}-$
$\frac{1}{2}t_1\partial^\alpha f^\lambda_{}\partial^\kappa f_{\alpha\lambda} + \frac{1}{3}t_1\omega_{\kappa\alpha}^{}\partial^\kappa f'_{} + \frac{1}{3}t_1\omega_{\kappa\lambda}^{}\partial^\kappa f'_{} + \frac{2}{3}t_1\partial^\alpha f_{}\partial^\kappa f'_{} -$
$\frac{1}{3}t_{1}\partial_{\kappa}f^{\lambda}_{\lambda}\partial^{\kappa}f'_{\prime}+2t_{1}\omega_{_{I}\kappa\theta}\partial^{\kappa}f'^{\theta}-\frac{1}{3}t_{1}\omega_{_{I}\alpha}^{\alpha}\partial^{\kappa}f'_{\kappa}-\frac{1}{3}t_{1}\omega_{_{I}\lambda}^{\lambda}\partial^{\kappa}f'_{\kappa}+$
$\frac{1}{2}t_1\partial^\alpha f^\lambda_{}\partial^\kappa f_{\lambda\alpha} + \frac{1}{2}t_1\partial_\kappa f_{\beta}^{}\partial^\kappa f_{\beta} + \frac{1}{2}t_1\partial_\kappa f^\lambda_{\theta}\partial^\kappa f_{\theta}^{\theta} - \frac{1}{3}t_1\partial^\alpha f^\lambda_{\alpha}\partial^\kappa f_{\lambda\kappa} +$
$\frac{2}{3} r_1 \partial_{\kappa} \omega^{\alpha\beta\theta} \partial^{\kappa} \omega_{\alpha\beta\theta} - \frac{2}{3} r_1 \partial_{\kappa} \omega^{\theta\alpha\beta} \partial^{\kappa} \omega_{\alpha\beta\theta} + \frac{2}{3} r_1 \partial^{\beta} \omega_{\alpha}^{\ \alpha\lambda} \partial_{\lambda} \omega_{\alpha\beta}^{\ \prime} +$
$rac{4}{3}r_{1}\partial^{eta}\omega_{,}{}^{\lambdalpha}\partial_{\lambda}\omega_{lphaeta}^{\prime}-4r_{3}\partial^{eta}\omega_{,}{}^{\lambdalpha}\partial_{\lambda}\omega_{lphaeta}^{\prime}+3r_{1}\partial_{lpha}\omega_{\lambda}^{lpha}\partial^{\lambda}\omega^{eta\kappa}_{\prime}-$
$4r_{3}\partial_{\alpha}\omega_{\lambda}^{\ \alpha}\partial^{\lambda}\omega^{\theta\kappa}_{\ \ \kappa}-3r_{1}\partial_{\theta}\omega_{\lambda}^{\ \alpha}\partial^{\lambda}\omega^{\theta\kappa}_{\ \ \kappa}+4r_{3}\partial_{\theta}\omega_{\lambda}^{\ \alpha}\partial^{\lambda}\omega^{\theta\kappa}_{\ \ \kappa}$

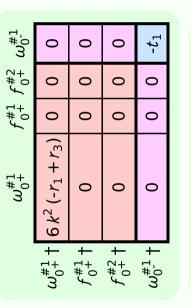
				1 [1 -		⊢
$ au_1^{\#2}$	0	0	0	$\frac{12ik}{(3+4k^2)^2t_1}$	$\frac{12 i \sqrt{2} k}{(3+4 k^2)^2 t_1}$	0	$\frac{24 k^2}{(3+4 k^2)^2 t_1}$
$\tau_{1^{-}}^{\#1}\alpha$	0	0	0	0	0	0	0
$\sigma_{1}^{\#2}$	0	0	0	$\frac{6\sqrt{2}}{(3+4k^2)^2t_1}$	$\frac{12}{(3+4k^2)^2t_1}$	0	$-\frac{12i\sqrt{2}k}{(3+4k^2)^2t_1}$
$\sigma_{1^{-}}^{\#1}{}_{\alpha}$	0	0	0	$\frac{6}{(3+4 k^2)^2 t_1}$	$\frac{6\sqrt{2}}{(3+4k^2)^2t_1}$	0	$-\frac{12ik}{(3+4k^2)^2t_1}$
${\mathfrak r}_1^{\#1}_{\alpha\beta}$	$-\frac{i\sqrt{2}k}{t_1+k^2t_1}$	$-\frac{i(2k^3r_1-kt_1)}{(1+k^2)^2t_1^2}$	$\frac{-2k^4r_1+k^2t_1}{(1+k^2)^2t_1^2}$	0	0	0	0
$\sigma_{1}^{\#2}{}_{\alpha\beta}$	$-\frac{\sqrt{2}}{t_1+k^2t_1}$	$\frac{-2k^2r_1+t_1}{(1+k^2)^2t_1^2}$	$\frac{i(2k^3r_1-kt_1)}{(1+k^2)^2t_1^2}$	0	0	0	0
$\sigma_{1}^{\#1}{}_{+}\alpha\beta$	0	$-\frac{\sqrt{2}}{t_1+k^2t_1}$	$\frac{i\sqrt{2}k}{t_1+k^2t_1}$	0	0	0	0
,	$\sigma_{1}^{\#1} + \alpha^{\beta}$	$\sigma_{1}^{\#2} + \alpha^{\beta}$	$\tau_1^{\#1} + \alpha^{\beta}$	$\sigma_{1}^{\#1} +^{\alpha}$	$\sigma_1^{\#2} +^{lpha}$	$\tau_{1}^{\#1} +^{\alpha}$	$\tau_{1}^{\#2} +^{\alpha}$

$f_{1}^{#2}$	0	0	0	<i>ikt</i> 1 3	$\frac{1}{3}\bar{l}\sqrt{2}kt_1$	0	$\frac{2k^2t_1}{3}$
$f_{1^-}^{\#1}$	0	0	0	0	0	0	0
$\omega_{1^{-}\alpha}^{\#2}$	0	0	0	$\frac{t_1}{3\sqrt{2}}$	<u>£1</u> 3	0	$-\frac{1}{3}i\sqrt{2}kt_1$
$\omega_{1^{-}\alpha}^{\#1}$	0	0	0	6 6	$\frac{t_1}{3\sqrt{2}}$	0	$-\frac{1}{3}ikt_1$
$f_{1}^{\#1}$	$-\frac{ikt_1}{\sqrt{2}}$	0	0	0	0	0	0
$\omega_{1}^{\#2}$	$-\frac{t_1}{\sqrt{2}}$	0	0	0	0	0	0
$\omega_{1}^{\#1}_{+\alpha\beta}$	$k^2 r_1 - \frac{t_1}{2}$	$-\frac{t_1}{\sqrt{2}}$	$\frac{i k t_1}{\sqrt{2}}$	0	0	0	0
	$\omega_{1}^{\#1} + \tau^{lphaeta}$	$\omega_1^{\#2} + \alpha^{\beta}$	$f_{1+}^{#1} + \alpha \beta$	$\omega_{1}^{\#_{1}} +^{\alpha}$	$\omega_1^{\#2} +^{lpha}$	$f_{1}^{#1} +^{\alpha}$	$f_1^{\#2} +^{lpha}$

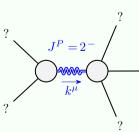
	$\sigma_{2^{+}lphaeta}^{\sharp1}$	$ au_2^{\#1}{}_{lphaeta}$	$\sigma_{2-\alpha\beta\chi}^{\#1}$
$\sigma_{2}^{\#1} \dagger^{lphaeta}$	$\frac{2}{(1+2k^2)^2t_1}$	$-\frac{2i\sqrt{2}k}{(1+2k^2)^2t_1}$	0
$ au_2^{\#1} \dagger^{lphaeta}$	$\frac{2i\sqrt{2}k}{(1+2k^2)^2t_1}$	$\frac{4k^2}{(1+2k^2)^2t_1}$	0
$\sigma_2^{\sharp 1} \dagger^{\alpha\beta\chi}$	0	0	$\frac{2}{2 k^2 r_1 + t_1}$
2 '			$2^{\kappa-r_1+t_1}$







$\omega_{2^{-}}^{\#1}\alpha\beta\chi$	0	0	$k^2 r_1 + \frac{t_1}{2}$
$f_{2}^{\#1}_{\alpha\beta}$	$-\frac{ikt_1}{\sqrt{2}}$	$k^2 t_1$	0
$\omega_{2}^{\#1}_{+}gf_{2}^{\#1}_{2}$	<u>41</u> 2	$\frac{\bar{\ell}kt_1}{\sqrt{2}}$	0
	$\omega_{2}^{#1} + \alpha \beta$	$f_{2+}^{#1} + \alpha \beta$	$\omega_{2^{\text{-}}}^{\#1} +^{\alpha\beta\chi}$



	Massive particle				
?	Pole residue:	$-\frac{1}{r_1} > 0$			
$J^P = 2^-$	Polarisations:	5			
k^{μ} ?	Square mass:	$-\frac{t_1}{2r_1} >$			
?	Spin:	2			
	Parity:	Odd			

(No massless particles)