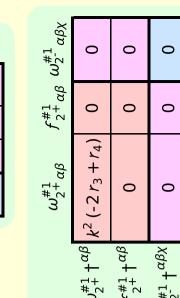
ا ي		ı					
$ au_{1}^{\#2}$	0	0	0	0	0	0	0
$^{\chi}$ $^{\#1}_{1^-}$ $^{\pi}$	0	0	0	0	0	0	0
$\sigma_{1^-}^{\#1}{}_{lpha}\;\sigma_{1^-}^{\#2}{}_{lpha}$	0	0	0	0	0	0	0
$\sigma_{1^{ ext{-}}lpha}^{\#1}$	0	0	0	0	0	0	0
${\tau_1^{\#1}}_{+}$	$-\frac{i\sqrt{2}}{k(1+k^2)(2r_3-r_4)}$	$\frac{i(k^2(6r_3-3r_4)+2t_2)}{k(1+k^2)^2(2r_3-r_4)t_2}$	$\frac{1}{r_3 - \frac{r_4}{2}} + \frac{3 k^2}{t_2}$ $\frac{r_3 - \frac{r_4}{2}}{(1 + k^2)^2}$	0	0	0	0
$\sigma_{1}^{\#2}{}_{+}\alpha_{\beta}$	$-\frac{\sqrt{2}}{k^2(1+k^2)(2r_3-r_4)}$	$\frac{k^2 (6r_3-3r_4)+2t_2}{(k+k^3)^2 (2r_3-r_4)t_2}$	$-\frac{i(k^2(6r_3-3r_4)+2t_2)}{k(1+k^2)^2(2r_3-r_4)t_2}$	0	0	0	0
$\sigma_{1}^{\#1}{}_{\alpha\beta}$	$\frac{1}{k^2(2r_3\cdot r_4)}$	$-\frac{\sqrt{2}}{k^2(1+k^2)(2r_3-r_4)}$	$\frac{i\sqrt{2}}{k(1+k^2)(2r_3-r_4)}$	0	0	0	0
	$\sigma_{1}^{\#1} + \alpha \beta$	$\sigma_{1}^{\#2} + \alpha \beta$	$\tau_1^{\#1} + \alpha \beta$	$\sigma_{1}^{\#1} +^{\alpha}$	$\sigma_{1}^{\#2} \dagger^{lpha}$	$\tau_{1}^{\#1} +^{\alpha}$	$\tau_{1}^{\#2} +^{\alpha}$

Lagrangian density	$rac{2}{3}t_2\;\omega_{_{K}\lambda}^{_{K}\lambda}\;\omega_{_{K}\lambda}^{_{\lambda}'}+rac{1}{3}t_2\;\omega_{_{K}\lambda}^{_{\lambda}'}\;\omega_{_{K}\lambda}^{_{K}\lambda}+f^{lphaeta}\; au_{_{R}eta}\; au_{_{R}eta}+\omega_{_{lphaeta\chi}}$	$rac{2}{3}r_2\partial^{eta}\omega^{etalpha}_{\kappa}\partial_{eta}\omega^{\kappa}_{\beta}^{} - rac{1}{3}r_2\partial_{eta}\omega^{\kappa}_{\beta}^{} - rac{2}{3}r_2\partial_{eta}\omega^{\kappa}_{\beta}^{} +$	$2 r_4 \partial_\alpha \omega_\lambda^{\ \alpha} \partial_\kappa \omega^{\theta \kappa \lambda} - 2 r_4 \partial_\theta \omega_\lambda^{\ \alpha} \partial_\kappa \omega^{\theta \kappa \lambda} + \frac{1}{6} t_2 \partial^\alpha f_{\theta \kappa} \partial^\kappa f_{\alpha}^{\ \theta} - \frac{1}{6} t_2 \partial^\alpha f_{\kappa \theta} \partial^\kappa f_{\alpha}^{\ \theta} +$	$\frac{1}{6}t_{2}\partial^{\alpha}f^{\lambda}_{\kappa}\partial^{\kappa}f_{\lambda}+\frac{1}{3}t_{2}\omega_{_{I}\theta\kappa}\partial^{\kappa}f^{'\theta}-\frac{2}{3}t_{2}\omega_{_{I}\kappa\theta}\partial^{\kappa}f^{'\theta}-\frac{1}{3}t_{2}\omega_{_{\theta}\kappa}\partial^{\kappa}f^{'\theta}+$	$\frac{2}{3}t_2\ \omega_{\theta\kappa_1}\ \partial^\kappa f^{\prime\theta} - \frac{1}{6}t_2\ \partial^\alpha f^\lambda_{\ \ \ }\partial^\kappa f_{\lambda\alpha} - \frac{1}{6}t_2\ \partial_\kappa f_{\ \ \ }\partial^\kappa f_{\lambda}^{\ \ \ }\partial^\kappa f_{\lambda}^{\ \ \ \theta} + \frac{1}{6}t_2\ \partial_\kappa f^\lambda_{\ \ \theta} + \frac{1}{6}t_2\ $	$rac{1}{3} r_2 \partial_\kappa \omega^{lphaeta heta} \partial^\kappa \omega_{lphaeta heta} + rac{2}{3} r_2 \partial_\kappa \omega^{etalphaeta} \partial^\kappa \omega_{lphaeta heta} - rac{2}{3} r_2 \partial^eta \omega^{lpha\lambda}_{\ \ \ \ \ \ } \partial_\lambda \omega^{\ \ \ \prime} +$	$rac{2}{3}r_2\partial^{eta}\omega_{,}{}^{\lambdalpha}\partial_{\lambda}\omega_{lphaeta}{}^{\prime}$ - $4r_3\partial^{eta}\omega_{,}{}^{\lambdalpha}\partial_{\lambda}\omega_{lphaeta}{}^{\prime}$ - $2r_4\partial_{lpha}\omega_{\lambda}{}^{lpha}\partial^{\lambda}\omega_{lpha}{}^{lpha}$ + $2r_4\partial_{artheta}\omega_{\lambda}{}^{lpha}\partial^{\lambda}\omega_{lpha}{}^{lpha}$
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$f_{1^{ ext{-}}\alpha}^{\#2}$	0	0	0	0	0	0	0
$f_{1^{ ext{-}}}^{\#1}$	0	0	0	0	0	0	0
$\omega_{1}^{#2}{}_{\alpha} f_{1}^{#1}{}_{\alpha} f_{1}^{#2}$	0	0	0	0	0	0	0
$\omega_{1^{-}}^{\#1}{}_{\alpha}$	0	0	0	0	0	0	0
$f_1^{\#1}$	$\frac{1}{3}\bar{l}\sqrt{2}kt_2$	$\frac{i k t_2}{3}$	$\frac{k^2 t_2}{3}$	0	0	0	0
$\omega_1^{\#2}_{+}{}_{\alpha\beta}$	$\frac{\sqrt{2} t_2}{3}$	[2]	$-\frac{1}{3}\bar{l}kt_2$	0	0	0	0
$\omega_{1}^{\#1}{}_{\alpha\beta}$	$k^2 (2 r_3 - r_4) + \frac{2t_2}{3}$	$\frac{\sqrt{2} t_2}{3}$	$-\frac{1}{3}\bar{l}\sqrt{2}kt_2$	0	0	0	0
	$\omega_1^{\#1} + \alpha^{eta}$	$\omega_{1}^{\#2} + ^{lphaeta}$	$f_1^{#1} + \alpha \beta$	$\omega_{1}^{\#1} +^{lpha}$	$\omega_1^{\#2} \dagger^{lpha}$	$f_{1}^{\#1} \dagger^{lpha}$	$f_{1}^{#2} +^{\alpha}$

	$\sigma_0^{\sharp 1}$	$ au_{0}^{\#1}$	$ au_0^{\#2}$	$\sigma_0^{\#1}$
$\sigma_{0}^{\#1}$ †	$\frac{1}{-2k^2r_3 + 4k^2r_4}$	0	0	0
$ au_{0}^{\#1} +$	0	0	0	0
$ au_{0}^{\#2} +$	0	0	0	0
$\sigma_{0}^{\#1}$ †	0	0	0	$\frac{1}{k^2 r_2 + t_2}$





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SO(3) irreps $\tau_{0^{+}}^{\#2} == 0$ $\tau_{0^{+}}^{\#1} == 0$

Source constraints

 $\frac{\tau_{1}^{\#2}{}^{\alpha}}{\tau_{1}^{\#1}{}^{\alpha}} == 0$

 $\sigma_1^{\#2\alpha} == 0$

 $\sigma_1^{\#1\alpha} == 0$

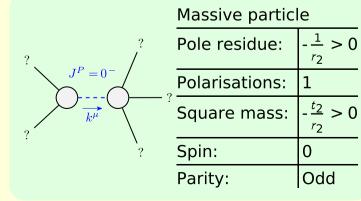
 $\frac{\tau_{1+}^{\#1}{}^{\alpha\beta} + i k \sigma_{1+}^{\#2}{}^{\alpha\beta} == 0}{\sigma_{2}^{\#1}{}^{\alpha\beta\chi}} == 0$

 $\tau_{2^{+}}^{\#1\,\alpha\beta} == 0$

Total #:

$\omega_{0^{\text{-}}}^{\#1}$	0	0	0	$k^2 r_2 + t_2$
$f_{0}^{\#2}$	0	0	0	0
$f_{0}^{\#1}$	0	0	0	0
$\omega_{0}^{\#1}$	$-2 k^2 (r_3 - 2 r_4)$	0	0	0
	υ ₀ ^{#1} †	c#1 + 0	c#2 +	$v_{0}^{\#1}$ \dagger

	$\sigma_{2^{+}lphaeta}^{\sharp1}$	$ au_2^{\#1}_{lphaeta}$	$\sigma_{2}^{\#1}{}_{\alpha\beta\chi}$
$\sigma_{2}^{\sharp 1} \dagger^{\alpha \beta}$	$\frac{1}{k^2 (-2r_3+r_4)}$	0	0
$\tau_{2}^{\#1} \dagger^{\alpha\beta}$	0	0	0
$T_2^{\#1} \dagger^{\alpha\beta\chi}$	0	0	0



Unitarity conditions $r_2 < 0 \&\& t_2 > 0$

(No massless particles)