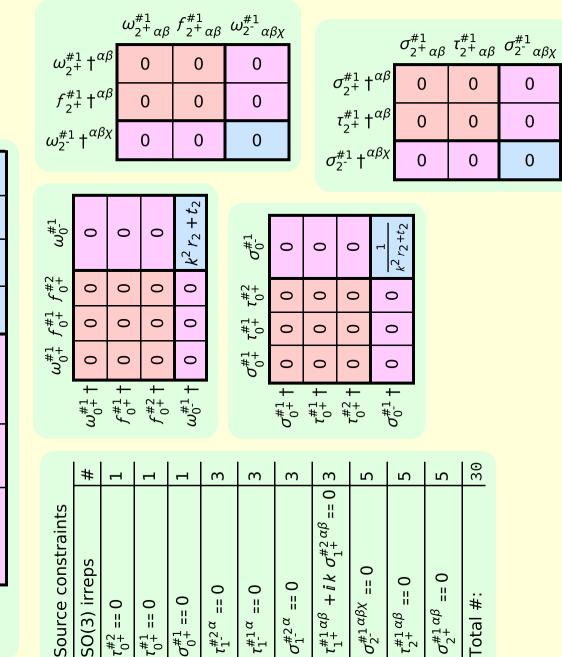
Lagrangian density $\frac{2}{3}t_2 \omega_{\kappa\lambda}^{\ \kappa\lambda} \omega_{\kappa\lambda}^{\ \prime} + \frac{1}{3}t_2 \omega_{\kappa\lambda}^{\ \prime} \omega_{\kappa\lambda}^{\ \prime} + f^{\alpha\beta} \tau_{\alpha\beta} + \omega^{\alpha\beta\chi} \sigma_{\alpha\beta\chi}^{\ \prime} - r_5 \partial_i \omega^{\kappa\lambda}_{\ \kappa} \partial^i \omega_{\lambda}^{\ \alpha} + \frac{2}{3}t_2 \omega_{\lambda}^{\ \kappa} \partial_b \omega_{\alpha\beta}^{\ \kappa} - \frac{1}{3}t_2 \partial_b \omega_{\alpha\beta}^{\ \kappa} \partial_\kappa \omega^{\alpha\beta\theta} - \frac{2}{3}t_2 \partial_\theta \omega_{\alpha\beta}^{\ \kappa} \partial_\kappa \omega^{\beta\alpha\beta} - t_5 \partial_\theta \omega_{\alpha\beta}^{\ \kappa} \partial_\kappa \omega^{\beta\alpha\beta} - t_5 \partial_\theta \omega_{\lambda}^{\ \kappa} \partial_\kappa \omega^{\beta\alpha\beta} + t_5 \partial_\theta \omega_{\lambda}^{\ \kappa} \partial_\kappa \omega^{\beta\alpha\beta} + t_5 \partial_\theta \omega_{\lambda}^{\ \kappa} \partial_\kappa \omega^{\alpha\beta\beta} + t_5 \partial_\theta \omega^{\alpha\beta} \partial_\kappa \omega^{\alpha\beta\beta} + t_5 \partial_\phi \omega^{\alpha\beta} \partial_\phi \omega^{\alpha\beta} + $	$\frac{1}{6}t_{2}\partial^{\alpha}f_{\theta k}\partial^{k}f_{\alpha}^{\theta} - \frac{1}{6}t_{2}\partial^{\alpha}f_{k\theta}\partial^{k}f_{\alpha}^{\theta} + \frac{1}{6}t_{2}\partial^{\alpha}f^{\lambda}_{k}\partial^{k}f_{\alpha\lambda} + \frac{1}{3}t_{2}\omega_{l\theta k}\partial^{k}f^{l\theta} - \frac{1}{6}t_{2}\partial^{\alpha}f^{\lambda}_{k}\partial^{k}f^{l\theta} - \frac{1}{6}t_{2}\omega_{l\theta k}\partial^{k}f^{l\theta} - \frac{1}{6}t_{2}\partial^{\alpha}f^{\lambda}_{k}\partial^{k}f_{\lambda\alpha} - \frac{1}{6}t_{2}\partial_{k}f^{\lambda}_{k}\partial^{k}f_{\lambda\alpha} - \frac{1}{6}t_{2}\partial_{k}f^{\lambda}_{k}\partial^{k}f_{\lambda\alpha} + \frac{1}{6}t_{2}\partial_{k}f^{\lambda}_{k}\partial^{k}f_{\lambda}^{\theta} + \frac{1}{3}r_{2}\partial_{k}\omega^{\alpha\beta\theta}\partial^{k}\omega_{\alpha\beta\theta} + \frac{2}{3}r_{2}\partial_{k}\omega^{\theta\alpha\beta}\partial^{k}\omega_{\alpha\beta\theta} - \frac{1}{6}t_{2}\partial_{k}\omega^{\lambda}_{\alpha\beta}\partial^{k}\omega_{\alpha\beta\theta} - \frac{1}{6}t_{2}\partial_{k}\omega^{\lambda}_{\alpha\beta}\partial^{k}\omega_{\alpha\beta\theta} - \frac{1}{6}t_{2}\partial_{k}\omega^{\lambda}_{\alpha\beta}\partial^{k}\omega_{\alpha\beta} + \frac{1}{6}t_{2}\partial_{k}\omega^{\lambda}_{\alpha\beta}\partial^{k}\omega_{\alpha\beta} \frac{1}{6}t_{2}\partial_{k}\omega^{\lambda}_{\alpha\beta}\partial^{k}\omega_{\alpha\beta}\partial^{k}\omega_{\alpha\beta} + \frac{1}{6}t_{2}\partial_{k}\omega^{\lambda}_{\alpha\beta}\partial^{k}\omega_{\alpha\beta$
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$t_{1}^{\#2}$	0	0	0	0	0	0	0
$t_{1}^{\#1}$	0	0	0	0	0	0	0
$\sigma_{1^-}^{\#2}$	0	0	0	0	0	0	0
$\sigma_{1^-}^{\#1}{}_{lpha}$	0	0	0	$\frac{1}{k^2 r_5}$	0	0	0
${\mathfrak l}_1^{\#1}$	$-\frac{i\sqrt{2}}{kr_5+k^3r_5}$	$\frac{i(3k^2r_5+2t_2)}{k(1+k^2)^2r_5t_2}$	$\frac{3k^2r_5+2t_2}{(1+k^2)^2r_5t_2}$	0	0	0	0
$\sigma_{1}^{\#2}$	$-\frac{\sqrt{2}}{k^2 r_5 + k^4 r_5}$	$\frac{3k^2r_5+2t_2}{(k+k^3)^2r_5t_2}$	$-\frac{i(3k^2r_5+2t_2)}{k(1+k^2)^2r_5t_2}$	0	0	0	0
$\sigma_{1^{+}\alpha\beta}^{\#1}$	$\frac{1}{k^2 r_5}$	$-\frac{\sqrt{2}}{k^2 r_5 + k^4 r_5}$	$\frac{i\sqrt{2}}{kr_5+k^3r_5}$	0	0	0	0
	$\sigma_1^{\#1} + \alpha^{\beta}$	$\sigma_{1}^{\#2} + \alpha^{\beta}$	$\tau_1^{\#1} + ^{\alpha \beta}$	$\sigma_{1}^{\#1} +^{\alpha}$	$\sigma_{1}^{\#2} + \alpha$	$\tau_{1^{-}}^{\#1} +^{\alpha}$	$\tau_{1}^{\#2} + ^{\alpha}$

$f_{1}^{\#2}$	0	0	0	0	0	0	0
$f_{1}^{#1} \alpha f$	0	0	0	0	0	0	0
$\omega_{1}^{\#^2}{}_{\alpha} f_{\overline{1}}^{i}$	0	0	0	0	0	0	0
×				$k^2 r_5$) () (
$\omega_{1^{-}}^{\#1}$	t ₂ C	0	0	k^2	0	0	0
$f_{1}^{\#1}{}_{\alpha\beta}$	$\frac{1}{3}\bar{l}\sqrt{2}kt_2$	<u>ikt2</u> 3	$\frac{k^2 t_2}{3}$	0	0	0	0
$\omega_1^{\#_+^2} \alpha_\beta$	$\frac{\sqrt{2}t_2}{3}$	2 2 ع	$-\frac{1}{3}$ Ikt ₂	0	0	0	0
$\omega_1^{\#1}{}_+\alpha\beta$	$k^2 r_5 + \frac{2 t_2}{3}$	$\frac{\sqrt{2} t_2}{3}$	$-\frac{1}{3}\bar{l}\sqrt{2}kt_2$	0	0	0	0
	$\omega_1^{\#1} + ^{lphaeta}$	$\omega_{1}^{\#2} + \alpha^{eta}$	$f_{1}^{\#1} + \alpha^{\beta}$	$\omega_{1^{\bar{-}}}^{\#1} +^{\alpha}$	$\omega_{1}^{\#2} +^{lpha}$	$f_{1^{\bar{-}}}^{\#1} +^{\alpha}$	$f_{1}^{#2} +^{\alpha}$



 $\sigma_{1}^{\#2\alpha} == 0$

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

 $\tau_1^{\#2}\alpha == 0$

 $\sigma_{0}^{\#1} == 0$

 $\tau_{0}^{\#1} == 0$

 $\tau_{0}^{\#2} == 0$

0

0

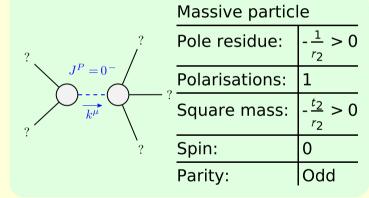
0

0 ==

 $\sigma_2^{\#1}\alpha\beta$

Total #:

0 ==



 $r_2 < 0 && t_2 > 0$ Unitarity conditions (No massless particles)