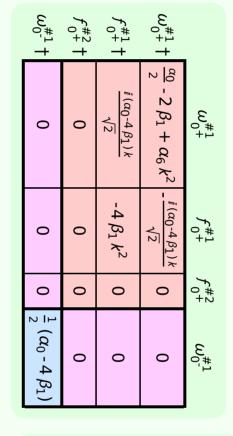
$\tau_{1}^{#2} + \alpha$	$\tau_{1}^{#1} + \alpha$	$\sigma_{1^{-}}^{\#2} \dagger^{\alpha}$	$\sigma_{1^{-}}^{\sharp 1} + ^{lpha}$	$ au_{1+}^{#1} + ^{lphaeta}$	$\sigma_{1+}^{\#2} \dagger^{\alpha\beta}$	$\sigma_{1+}^{*1} \dagger^{lphaeta}$	
0	0	0	0	$-\frac{2 i \sqrt{2} k}{(\alpha_0 - 4 \beta_1) (1 + k^2)}$	$\frac{2\sqrt{2}}{(\alpha_0-4\beta_1)(1+k^2)}$	0	$\sigma_{1^{+}lphaeta}^{\#1}$
0	0	0	0	$\frac{2ik}{(\alpha_0\text{-}4\beta_1)(1+k^2)^2}$	$-\frac{2}{(\alpha_0-4\beta_1)(1+k^2)^2}$	$\frac{2\sqrt{2}}{(\alpha_0-4\beta_1)(1+k^2)}$	$\sigma_{1^{+}lphaeta}^{\#2}$
0	0	0	0	$-\frac{2 k^2}{(\alpha_0 - 4 \beta_1) (1 + k^2)^2}$	$-\frac{2ik}{(\alpha_0-4\beta_1)(1+k^2)^2}$	$\frac{2 i \sqrt{2} k}{(\alpha_0 - 4 \beta_1) (1 + k^2)}$	$ au_{1}^{\#1}{}_{lphaeta}$
$\frac{4 i k}{(\alpha_0 - 4 \beta_1) (1 + 2 k^2)}$	0	$-\frac{2\sqrt{2}}{(\alpha_0-4\beta_1)(1+2k^2)}$	0	0	0	0	$\sigma_{1^-\alpha}^{\#1}$
$\frac{2i\sqrt{2}k}{(\alpha_0-4\beta_1)(1+2k^2)^2}$	0	$-\frac{2}{(\alpha_0-4\beta_1)(1+2k^2)^2}$	$-\frac{2\sqrt{2}}{(\alpha_0-4\beta_1)(1+2k^2)}$	0	0	0	$\sigma_{1^-lpha}^{\#2}$
0	0	0	0	0	0	0	$ au_{1^{-}}^{\#1}{}_{lpha}$
$-\frac{4 k^2}{(\alpha_0 - 4 \beta_1) (1 + 2 k^2)^2}$	0	$-\frac{2i\sqrt{2}k}{(\alpha_0-4\beta_1)(1+2k^2)^2}$	$-\frac{4 i k}{(\alpha_0 - 4 \beta_1) (1 + 2 k^2)}$	0	0	0	$ au_{1^-lpha}^{\#2}$

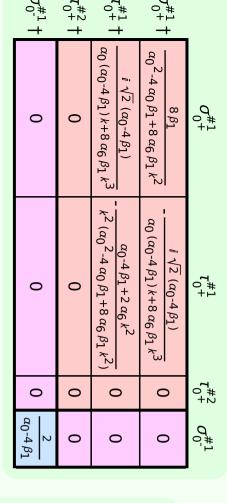
	$\omega_{1^{+}lphaeta}^{\#1}$	$\omega_{1^{+}\alpha\beta}^{\#2}$	$f_{1^{+}\alpha\beta}^{\#1}$	$\omega_{1^{-} \ lpha}^{\sharp 1}$	$\omega_{1-\alpha}^{\#2}$	$f_{1-\alpha}^{\#1}$	$f_{1-\alpha}^{\#2}$
$\omega_{1}^{\#1}\dagger^{\alpha\beta}$	$\frac{1}{4}\left(\alpha_0-4\beta_1\right)$	$\frac{\alpha_0 - 4\beta_1}{2\sqrt{2}}$	$\frac{i(\alpha_0-4\beta_1)k}{2\sqrt{2}}$	0	0	0	0
$\omega_{1}^{\#2}\dagger^{\alpha\beta}$	$\frac{\alpha_0 - 4 \beta_1}{2 \sqrt{2}}$	0	0	0	0	0	0
$f_{1}^{\#1}\dagger^{\alpha\beta}$	$-\frac{i(\alpha_0-4\beta_1)k}{2\sqrt{2}}$	0	0	0	0	0	0
$\omega_{1}^{\sharp_{1}}$ † lpha	0	0	0	$\frac{1}{4}\left(\alpha_0-4\beta_1\right)$	$-\frac{\alpha_0-4\beta_1}{2\sqrt{2}}$	0	$-\frac{1}{2}i(\alpha_0-4\beta_1)k$
$\omega_1^{#2} \dagger^{\alpha}$	0	0	0	$-\frac{\alpha_0-4\beta_1}{2\sqrt{2}}$	0	0	0
$f_{1}^{#1} \dagger^{\alpha}$	0	0	0	0	0	0	0
$f_{1}^{#2} \dagger^{\alpha}$	0	0	0	$\frac{1}{2} i (\alpha_0 - 4 \beta_1) k$	0	0	0

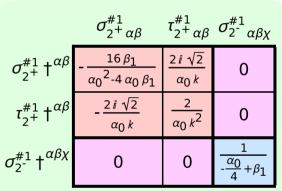
Lagrangian density

 $-\frac{1}{2}\alpha_0 \omega_{\alpha\chi\beta} \omega^{\alpha\beta\chi} - \frac{1}{2}\alpha_0 \omega^{\alpha\beta}$

 $_{\alpha}^{\beta}$ ω_{β}^{χ} + 2 β_{1} $\omega_{\alpha}^{\alpha\beta}$ ω_{β}^{χ}

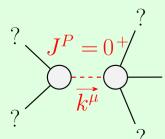






	$\omega_{2^{+}\alpha\beta}^{\#1}$	$f_{2^{+}\alpha\beta}^{\#1}$	$\omega_{2^{-}\alpha\beta\chi}^{\#1}$	
$\omega_{2}^{\#1} \dagger^{\alpha\beta}$	$-\frac{\alpha_0}{4}+\beta_1$	$\frac{i(\alpha_0-4\beta_1)k}{2\sqrt{2}}$	0	
$f_{2+}^{\#1}\dagger^{\alpha\beta}$	$-\frac{i(\alpha_0-4\beta_1)k}{2\sqrt{2}}$	$2 \beta_1 k^2$	0	
$\omega_2^{\#1} \dagger^{\alpha\beta\chi}$	0	0	$-\frac{\alpha_0}{4} + \beta_1$	

	Total #:	$\tau_{1+}^{\#1}{}^{\alpha\beta} + \bar{l} k \sigma_{1+}^{\#2}{}^{\alpha\beta} == 0$	${\tau_1^{\#1}}^{\alpha} == 0$	$\tau_{1}^{\#2\alpha} + 2 \bar{l} k \sigma_{1}^{\#2\alpha} == 0$	$\tau_{0+}^{\#2} == 0$	SO(3) irreps	Source constraints
į	10	3	ω	ω	1	#	



	Massive particle					
?	Pole residue:	$\frac{1}{\alpha_0} + \frac{1}{\alpha_6} - \frac{1}{4\beta_1} > 0$				
	Polarisations:	1				
	Square mass:	$-\frac{\alpha_0 (\alpha_0 - 4 \beta_1)}{8 \alpha_6 \beta_1} > 0$				
	Spin:	0				
	Parity:	Even				

Added source term: $\int f^{\alpha\beta} \tau_{\alpha\beta} + \omega^{\alpha\beta\chi} \sigma_{\alpha\beta\chi}$

 $\beta_1 \partial^{\chi} f_{\zeta}^{\beta} \partial^{\zeta} f_{\beta \chi} - \beta_1 \partial^{\chi} f_{\zeta}^{\beta} \partial^{\zeta} f_{\chi \beta} + \beta_1 \partial^{\chi} f_{\delta \zeta} \partial^{\zeta} f^{\delta}_{\chi} - \beta_1 \partial^{\chi} f_{\zeta \delta} \partial^{\zeta} f^{\delta}_{\chi}$

 $4 \beta_1 \partial^{\beta} f^{\alpha}_{\alpha} \partial_{\delta} f_{\beta}^{\delta} - 2 \beta_1 \partial_{\beta} f_{\chi}^{\beta} \partial_{\delta} f^{\chi \delta} +$

 $\frac{2}{3} \alpha_6 \partial_{\beta} \omega^{\alpha\beta}_{\alpha} \partial_{\delta} \omega^{\chi\delta}$

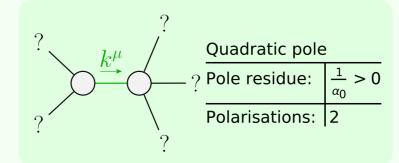
 $4 \beta_1 \omega_{\alpha \chi \beta} \partial^{\chi} f^{\alpha \beta} + \beta_1 \partial_{\chi} f_{\beta}^{\ \delta} \partial^{\chi} f_{\delta}^{\ \beta} + \beta_1 \partial_{\chi} f^{\delta}_{\ \lambda}$

 $2 \beta_1 \partial_{\beta} f^{\chi}_{\chi} \partial^{\beta} f^{\alpha}_{\alpha}$

 $_{v}+\alpha_{0}f^{\alpha\beta}\partial_{\chi}\omega_{\alpha}^{\ \chi}$

 $2\beta_1 \omega_{\alpha}^{\chi\delta} \omega_{\chi\delta}^{\alpha} - 2\beta_1 \omega_{\alpha}^{\chi} \partial_{\beta} f^{\alpha\beta} - 2\beta_1 \omega_{\alpha}^{\delta} \partial_{\beta} f^{\alpha\beta} -$

 $\alpha_0 f^{\alpha\beta} \partial_{\beta} \omega_{\alpha}^{\ X} + \alpha_0 \partial_{\beta} \omega_{\alpha}^{\alpha\beta} + 2 \beta_1 \omega_{\beta}^{\ X}$



Unitarity conditions

 $\alpha_0 > 0 \&\& \alpha_6 > 0 \&\& \beta_1 < 0 \mid |\beta_1 > \frac{\alpha_0}{4}$