$\sigma_{1}^{\#2}$
$\frac{\sqrt{2}}{t_1+k^2t_1} - \frac{i\sqrt{2}k}{t_1+k^2t_1}$
$\frac{-2k^2r_1+t_1}{(1+k^2)^2t_1^2} = \frac{i(2k^3r_1-kt_1)}{(1+k^2)^2t_1^2}$
$\frac{i(2k^3r_1-kt_1)}{(1+k^2)^2t_1^2} \left \begin{array}{c} -2k^4r_1+k^2t_1\\ (1+k^2)^2t_1^2 \end{array} \right $
)
0
0
0

Lagrangian density $ \begin{split} \text{-tgrangian density} \\ -t_1 \; \omega_{\kappa \alpha}^{\; \; '} \; \omega_{\kappa \alpha}^{\; \; \; \; \; \; \; \; \; \; \; \; \; \; \; \; \; \; \; $

$\sigma_2^{\#1}$	$\alpha \beta \chi$	0		0		$\frac{2}{2k^2r_1}$	
$f_{1}^{\#2}$	0	0	0	ūktı	0	0	0
$f_{1^-}^{\#1} \alpha$	0	0	0	0	0	0	0
$\omega_{1}^{\#2}{}_{\alpha}$	0	0	0	$\frac{t_1}{\sqrt{2}}$	0	0	0
$\omega_{1^{\bar{-}}}^{\#_1}$	0	0	0	$-\frac{t_1}{2}$	$\frac{t_1}{\sqrt{2}}$	0	$-\bar{l}kt_1$
$f_{1}^{\#1}$ $\alpha \beta$	$-\frac{ikt_1}{\sqrt{2}}$	0	0	0	0	0	0
$\omega_{1}^{\#2}{}_{\alpha\beta}$	$-\frac{t_1}{\sqrt{2}}$	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
	$_{1}^{\#1}+^{\alpha\beta}$	$_{1}^{\#2}$ $+^{\alpha\beta}$	$^{*1}_{1}$ $+^{\alpha\beta}$	$ u_1^{\#1} +^{lpha} $	$\nu_1^{\#2} + \alpha$	$f_{1}^{\#1} \dagger^{\alpha}$	$f_{1}^{#2} +^{\alpha}$

 $\tau_{2^{+}\alpha\beta}^{\#1} \qquad \sigma_{2^{-}\alpha\beta\chi}^{\#1}$

0

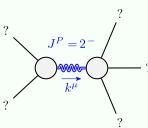
0

	$\omega_0^{\sharp 1}$	$f_{0}^{#1}$	$f_{0+}^{#2}$	$\omega_0^{\#1}$
$\omega_{\scriptscriptstyle 0}^{\scriptscriptstyle \#1}$ †	-t ₁	$i \sqrt{2} kt_1$	0	0
$f_{0}^{#1}\dagger$	$-i \sqrt{2} kt_1$	$-2 k^2 t_1$	0	0
$f_{0}^{#2} \dagger$	0	0	0	0
$\omega_{0}^{\sharp 1}$ †	0	0	0	$-t_1$

Source constraints	
SO(3) irreps	#
$\tau_{0^{+}}^{\#2} == 0$	1
$\tau_{0^{+}}^{\#1} - 2 \bar{\imath} k \sigma_{0^{+}}^{\#1} == 0$	1
$\tau_{1}^{\#2\alpha} + 2 i k \sigma_{1}^{\#2\alpha} == 0$	3
$\tau_{1}^{\#1}{}^{\alpha} == 0$	3
$\tau_{1+}^{\#1\alpha\beta} + i k \sigma_{1+}^{\#2\alpha\beta} == 0$	3
$\tau_{2+}^{\#1\alpha\beta} - 2 i k \sigma_{2+}^{\#1\alpha\beta} == 0$	5
Total #:	16

_	$\omega_{2^{+}\alpha\beta}^{\#1}$	$f_{2^{+}\alpha\beta}^{\#1}$	$\omega_{2^{-}\alpha\beta\chi}^{\#1}$
$\omega_{2}^{\#1} \dagger^{lphaeta}$	<u>t</u> 1 2	$-\frac{ikt_1}{\sqrt{2}}$	0
$f_{2^{+}}^{#1} \dagger^{\alpha\beta}$	$\frac{i k t_1}{\sqrt{2}}$	$k^2 t_1$	0
$\omega_2^{#1} \dagger^{\alpha\beta\chi}$	0	0	$k^2 r_1 + \frac{t_1}{2}$

	$\sigma_0^{\#1}$	$\tau_{0}^{\#1}$	$\tau_{0}^{\#2}$	$\sigma_0^{\#1}$
$\sigma_{0}^{\#1}$ †	$-\frac{1}{(1+2k^2)^2t_1}$	$\frac{i\sqrt{2} k}{(1+2k^2)^2 t_1}$	0	0
$\tau_{0}^{\#1}$ †	$-\frac{i \sqrt{2} k}{(1+2k^2)^2 t_1}$	$-\frac{2k^2}{(1+2k^2)^2t_1}$	0	0
$\tau_{0}^{\#2}$ †	0	0	0	0
$\sigma_0^{\#1}$ †	0	0	0	$-\frac{1}{t_1}$



	Massive particl	le
? /	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

ticle			
2 :	$-\frac{1}{r_1} > 0$		
s:	5		
s:	$-\frac{t_1}{2r_1} > 0$		
	2		
	Odd		

(No massless particles)