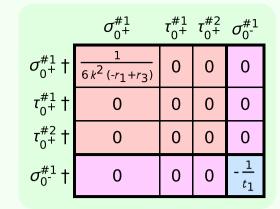
$\tau_{1}^{\#2}{}_{\alpha}$	0	0	0	$\frac{i}{k(1+2k^2)(r_1-2r_3-r_5)}$	$\frac{i(6k^2(r_1-2r_3-r_5)-t_1)}{\sqrt{2}k(1+2k^2)^2(r_1-2r_3-r_5)t_1}$	0	$\frac{1}{\frac{-r_1+2r_3+r_5}{(1+2k^2)^2}} + \frac{6k^2}{t_1}$
$\tau_{1}^{\#1}{}_{\alpha}$	0	0	0	0	0	0	0
$\sigma_{1}^{\#2}{}_{lpha}$	0	0	0	$\frac{1}{\sqrt{2} (k^2 + 2k^4) (r_1 - 2r_3 - r_5)}$	$\frac{1}{-r_1 + 2r_3 + r_5} + \frac{6k^2}{t_1}$ $2(k+2k^3)^2$	0	$-\frac{i\left(6k^{2}(r_{1}-2r_{3}-r_{5})-t_{1}\right)}{\sqrt{2}k\left(1+2k^{2}\right)^{2}(r_{1}-2r_{3}-r_{5})t_{1}}$
$\sigma_{1^{-}\alpha}^{\#1}$	0	0	0	$\frac{1}{k^2 (-r_1 + 2 r_3 + r_5)}$	$\frac{1}{\sqrt{2} (k^2 + 2k^4) (r_1 - 2r_3 - r_5)}$	0	$\frac{i}{k(1+2k^2)(-r_1+2r_3+r_5)}$
$\tau_{1}^{\#1}{}_{\alpha\beta}$	$-\frac{i\sqrt{2}k}{t_1+k^2t_1}$	$\frac{-2ik^3(2r_3+r_5)+ikt_1}{(1+k^2)^2t_1^2}$	$\frac{-2k^4(2r_3+r_5)+k^2t_1}{(1+k^2)^2t_1^2}$	0	0	0	0
$\sigma_{1}^{\#2}{}_{\alpha\beta}$	$-\frac{\sqrt{2}}{t_1+k^2t_1}$	$\frac{-2k^2(2r_3+r_5)+t_1}{(1+k^2)^2t_1^2}$	$\frac{i(2k^3(2r_3+r_5)-kt_1)}{(1+k^2)^2t_1^2}$	0	0 0		0
$\sigma_{1}^{\#1}{}_{\alpha\beta}$	0	$-\frac{\sqrt{2}}{t_1+k^2t_1}$	$\tau_1^{\#1} + \alpha \beta \frac{i \sqrt{2} k}{t_1 + k^2 t_1}$	0	0	0	0
	$\sigma_{1}^{\#1} + \alpha \beta$	$\sigma_1^{#2} + \alpha \beta - \frac{1}{t_1}$	$\tau_1^{\#1} + ^{lphaeta}$	$\sigma_{1}^{\#_{1}} +^{lpha}$	$\sigma_{1}^{\#2} +^{\alpha}$	$\tau_{1}^{\#1} +^{\alpha}$	$\tau_1^{\#2} + \alpha$

	$\omega_{1}^{\sharp 1}{}_{lphaeta}$	$\omega_{1^{+}\alpha\beta}^{\#2}$	$f_{1^{+}\alpha\beta}^{\#1}$	$\omega_{1^{-}\alpha}^{\sharp 1}$	$\omega_{1}^{\#2}{}_{\alpha}$	$f_{1}^{\#1}{}_{\alpha}$	$f_{1}^{#2}\alpha$
$\omega_{1}^{\sharp 1} \dagger^{\alpha \beta}$	$k^2 (2r_3 + r_5) - \frac{t_1}{2}$	$-\frac{t_1}{\sqrt{2}}$	$-\frac{ikt_1}{\sqrt{2}}$	0	0	0	0
$\omega_{\scriptscriptstyle 1}^{\scriptscriptstyle \#2}\dagger^{lphaeta}$	$-\frac{t_1}{\sqrt{2}}$	0	0	0	0	0	0
$f_{1}^{\#1} \dagger^{\alpha\beta}$	$\frac{ikt_1}{\sqrt{2}}$	0	0	0	0	0	0
$\omega_1^{\sharp_1}$ † lpha	0	0	0	$k^2 \left(-r_1 + 2 r_3 + r_5 \right) + \frac{t_1}{6}$	$\frac{t_1}{3\sqrt{2}}$	0	<u> </u>
$\omega_1^{\#2} \dagger^{lpha}$	0	0	0	$\frac{t_1}{3\sqrt{2}}$	<u>t</u> 1 3	0	$\frac{1}{3}i\sqrt{2}kt_1$
$f_{1}^{#1} \dagger^{\alpha}$	0	0	0	0	0	0	0
$f_1^{#2} \dagger^{\alpha}$	0	0	0	$-rac{1}{3}ar{l}kt_1$	$-\frac{1}{3}\bar{l}\sqrt{2}kt_1$	0	$\frac{2k^2t_1}{3}$



	$\omega_0^{\sharp 1}$	$f_{0^{+}}^{#1}$	$f_{0^{+}}^{#2}$	$\omega_0^{\#1}$
$\omega_{0}^{\sharp 1}$ †	$6 k^2 (-r_1 + r_3)$	0	0	0
$f_{0}^{\#1}\dagger$	0	0	0	0
$f_{0}^{#2} \dagger$	0	0	0	0
$\omega_{0}^{\#1}$ †	0	0	0	$-t_1$

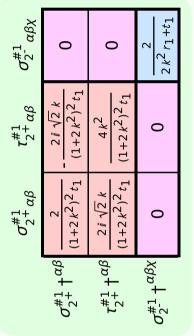
 $k^2 r_1 + \frac{t}{2}$

0

0

0

Lagrangian density



- | -

 \sim

 $t_1^{\#2}\alpha + 2ik \sigma_1^{\#2}\alpha = 0$

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

#

SO(3) irreps

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

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

Source constraints

$f_{2}^{\#1}$	- <u>i kt1</u>	12	7 61	$k^- t_1$
$\omega_{2}^{\#1}{}_{\alpha\beta}\ f_2^{\#}$	<u>1</u>	7		1/2
	$\omega_{2+}^{\#1} + ^{\alpha \beta}$	7	$f^{\#1} + \alpha \beta$	12+1
3	2	16) H	
$t_{1+}^{\#1}\alpha\beta + \bar{l}k \ \sigma_{1+}^{\#2}\alpha\beta == 0$	$t_{2+}^{\#1}\alpha\beta - 2ik \sigma_{2+}^{\#1}\alpha\beta == 0$	Total #.	_	

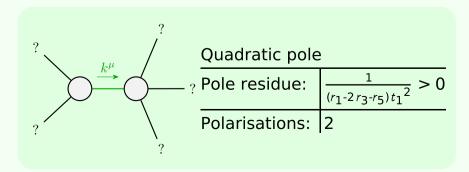
 $\omega_{2^{-}}^{\#1}\alpha\beta\chi$

0

	Massive partic	le
? $J^P = 2^- $?	Pole residue:	$-\frac{1}{r_1}$
$J^{x} \equiv 2$	Polarisations:	5
k^{μ}	Square mass:	$-\frac{t_1}{2r}$

Spin: Parity:

Odd



Unitarity conditions

 $r_1 < 0 \&\& r_5 < r_1 - 2 r_3 \&\& t_1 > 0$