$ au_1^{\#2}$	0	0	0	$\frac{2ik}{t_1 + 2k^2t_1}$	$-\frac{i\sqrt{2}}{(t_1+2k^2t_1)^2}$	0	$\frac{-4k^4r_5 + 2k^2t_1}{(t_1 + 2k^2t_1)^2}$
$\tau_{1^-}^{\#1}{}_{\alpha}$	0	0	0	0	0	0	0
$\sigma_{1}^{\#2}{}_{lpha}$	0	0	0	$\frac{\sqrt{2}}{t_1 + 2k^2t_1}$	$\frac{-2 k^2 r_5 + t_1}{(t_1 + 2 k^2 t_1)^2}$	0	$\frac{i\sqrt{2} k(2k^2 r_5 - t_1)}{(t_1 + 2k^2 t_1)^2}$
$\sigma_{1}^{\#1}{}_{\alpha}$	0	0	0	0	$\frac{\sqrt{2}}{t_1 + 2k^2t_1}$	0	$-\frac{2ik}{t_1+2k^2t_1}$
$\tau_{1}^{\#1}_{\alpha\beta}$	$\frac{i\sqrt{2}k(t_1-2t_2)}{(1+k^2)(3t_1t_2+2k^2t_5(t_1+t_2))}$	$\frac{i k (6 k^2 r_5 + t_1 + 4 t_2)}{(1 + k^2)^2 (3 t_1 t_2 + 2 k^2 r_5 (t_1 + t_2))}$	$\frac{k^2 \left(6  k^2  r_5 + t_1 + 4  t_2\right)}{\left(1 + k^2\right)^2 \left(3  t_1  t_2 + 2  k^2  r_5  \left(t_1 + t_2\right)\right)}$	0	0	0	0
$\sigma_{1}^{\#2}{}_{\alpha\beta}$	$\frac{\sqrt{2} (t_1 - 2t_2)}{(1 + k^2) (3t_1 t_2 + 2k^2 r_5 (t_1 + t_2))}$	$\frac{6 k^2 r_5 + t_1 + 4 t_2}{(1 + k^2)^2 (3 t_1 t_2 + 2 k^2 r_5 (t_1 + t_2))}$	$-\frac{ik(6k^2r_5+t_1+4t_2)}{(1+k^2)^2(3t_1t_2+2k^2r_5(t_1+t_2))}$	0	0	0	0
$\sigma_{1}^{\#1}{}_{\alpha\beta}$	3t1t2	$\frac{\sqrt{2} (t_1 - 2t_2)}{(1 + k^2) (3t_1 t_2 + 2k^2 r_5 (t_1 + t_2))}$	$-\frac{i\sqrt{2}k(t_1-2t_2)}{(1+k^2)(3t_1t_2+2k^2r_5(t_1+t_2))}$	0	0	0	0
	$r_1^{\#1} + \alpha \beta$	$r_1^{\#2} + \alpha \beta$	$\begin{bmatrix} *_1 + \alpha \beta \end{bmatrix} - {(1)}$	$\sigma_{1}^{\#1} +^{lpha}$	$\sigma_{1}^{\#2} +^{lpha}$	$\tau_{1}^{\#1} +^{\alpha}$	$\tau_{1}^{#2} +^{\alpha}$

	$\omega_{1^{+}lphaeta}^{\sharp1}$	$\omega_{1^{+}lphaeta}^{\#2}$	$f_{1^{+}\alpha\beta}^{\#1}$	$\omega_{1}^{\sharp 1}{}_{lpha}$	$\omega_{1-\alpha}^{\#2}$	$f_{1-\alpha}^{\#1}$	$f_{1-\alpha}^{#2}$
$\omega_{1}^{\sharp 1} \dagger^{lphaeta}$	$\frac{1}{6} \left( 6  k^2  r_5 + t_1 + 4  t_2 \right)$	$-\frac{t_1-2t_2}{3\sqrt{2}}$	$-\frac{ik(t_1-2t_2)}{3\sqrt{2}}$	0	0	0	0
$\omega_{1}^{\#2}\dagger^{lphaeta}$	$-\frac{t_1-2t_2}{3\sqrt{2}}$	$\frac{t_1 + t_2}{3}$	$\frac{1}{3}\bar{l}k(t_1+t_2)$	0	0	0	0
$f_{1+}^{\#1}\dagger^{\alpha\beta}$	$\frac{i k (t_1 - 2 t_2)}{3 \sqrt{2}}$	$-\frac{1}{3}\bar{l}k(t_1+t_2)$	$\frac{1}{3}k^2(t_1+t_2)$	0	0	0	0
$\omega_1^{\sharp_1}$ † $^{lpha}$	0	0	0	$k^2 r_5 - \frac{t_1}{2}$	$\frac{t_1}{\sqrt{2}}$	0	Īkt <sub>1</sub>
$\omega_1^{\#2} \dagger^{\alpha}$	0	0	0	$\frac{t_1}{\sqrt{2}}$	0	0	0
$f_{1}^{#1} \dagger^{\alpha}$	0	0	0	0	0	0	0
$f_1^{#2} \dagger^{\alpha}$	0	0	0	$-ar{\imath} k t_1$	0	0	0

_	$\omega_{0^+}^{\#1}$	$f_{0}^{#1}$	$f_{0}^{#2}$	$\omega_0^{\#1}$
$\omega_{0^+}^{\#1}\dagger$	-t <sub>1</sub>	$i \sqrt{2} kt_1$	0	0
$f_{0}^{#1}$ †	$-i \sqrt{2} kt_1$	$-2 k^2 t_1$	0	0
$f_{0}^{#2}$ †	0	0	0	0
$\omega_0^{\#1}$ †	0	0	0	$k^2 r_2 + t_2$

	$\sigma_{2}^{\#1}{}_{lphaeta}$	$ au_2^{\#1}_{lphaeta}$	$\sigma_{2^{-}\alpha\beta\chi}^{\#1}$
$\sigma_{2}^{\sharp 1} \dagger^{lphaeta}$	$\frac{2}{(1+2k^2)^2t_1}$	$-\frac{2i\sqrt{2}k}{(1+2k^2)^2t_1}$	0
$ au_2^{\#1} \dagger^{lphaeta}$	$\frac{2 i \sqrt{2} k}{(1+2 k^2)^2 t_1}$	$\frac{4k^2}{(1+2k^2)^2t_1}$	0
$\sigma_2^{\sharp 1} \dagger^{lphaeta\chi}$	0	0	$\frac{2}{t_1}$

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

 $-\frac{ikt_1}{\sqrt{2}}$ 

0

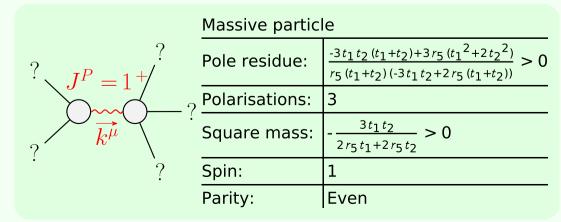
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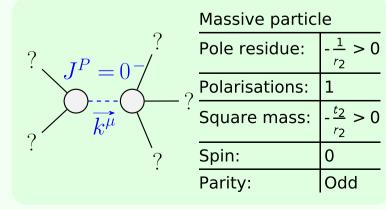
<u>t</u>1 2

SO(3) irreps	#	
$\tau_{0+}^{\#2} == 0$	1	
$\tau_{0+}^{\#1} - 2  i  k  \sigma_{0+}^{\#1} == 0$	1	
$\tau_{1}^{\#2\alpha} + 2 i k \sigma_{1}^{\#2\alpha} == 0$	3	
$\tau_1^{\#1\alpha} == 0$	3	$\omega_{2}^{#1} \dagger^{\alpha\beta}$
$\tau_{1+}^{\#1\alpha\beta} + \bar{\imath}k\sigma_{1+}^{\#2\alpha\beta} == 0$	3	_
$\tau_{2+}^{\#1\alpha\beta} - 2\bar{\imath}k\sigma_{2+}^{\#1\alpha\beta} == 0$	5	$f_{2+}^{\#1} \dagger^{\alpha\beta}$
Total #:	16	$\omega_2^{\#1} \dagger^{\alpha\beta\chi}$

Source constraints

	$\sigma_0^{\sharp 1}$	$ au_0^{\#1}$	$ au_{0}^{\#2}$	$\sigma_0^{\sharp 1}$	
$\sigma_{0}^{\#1}$ †	$-\frac{1}{(1+2k^2)^2t_1}$	$\frac{i\sqrt{2} k}{(1+2k^2)^2 t_1}$	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	$\frac{1}{k^2 r_2 + t_2}$	





 $r_2 < 0 \&\& r_5 > 0 \&\& t_1 < 0 \&\& t_2 > -t_1$ 

(No massless particles)