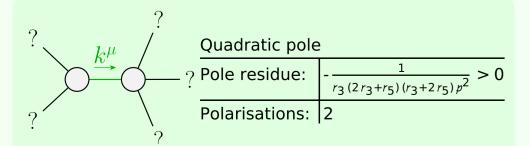
	$\sigma_{1^{+}lphaeta}^{\sharp1}$	$\sigma^{\#2}_{1^+lphaeta}$	$ au_{1}^{\#1}{}_{lphaeta}$	$\sigma_{1}^{\#1}{}_{\alpha}$	$\sigma_{1-\alpha}^{\#2}$	$\tau_{1}^{\#1}{}_{\alpha}$	τ ₁ -α
$\sigma_{1}^{\#1}\dagger^{lphaeta}$	$\frac{1}{k^2(2r_3+r_5)}$	$-\frac{\sqrt{2}}{k^2(1+k^2)(2r_3+r_5)}$	$-\frac{i\sqrt{2}}{k(1+k^2)(2r_3+r_5)}$	0	0	0	0
$\sigma_{1}^{\#2} \dagger^{\alpha\beta}$	$-\frac{\sqrt{2}}{k^2(1+k^2)(2r_3+r_5)}$	$\frac{3k^2(2r_3+r_5)+2t_2}{(k+k^3)^2(2r_3+r_5)t_2}$	$\frac{i(3k^2(2r_3+r_5)+2t_2)}{k(1+k^2)^2(2r_3+r_5)t_2}$	0	0	0	0
$\tau_{1}^{\#1} \dagger^{\alpha\beta}$	$\frac{i\sqrt{2}}{k(1+k^2)(2r_3+r_5)}$	$-\frac{i(3k^2(2r_3+r_5)+2t_2)}{k(1+k^2)^2(2r_3+r_5)t_2}$	$\frac{3k^2(2r_3+r_5)+2t_2}{(1+k^2)^2(2r_3+r_5)t_2}$	0	0	0	0
$\sigma_{1}^{\sharp 1}\dagger^{lpha}$	0	0	0	$\frac{2}{k^2(r_3+2r_5)}$	$\frac{2\sqrt{2}}{k^2(1+2k^2)(r_3+2r_5)}$	0	$\frac{4i}{k(1+2k^2)(r_3+2r_5)}$
$\sigma_{1}^{#2} \dagger^{\alpha}$	0	0	0	$\frac{2\sqrt{2}}{k^2(1+2k^2)(r_3+2r_5)}$	$\frac{3k^2(r_3+2r_5)+4t_3}{(k+2k^3)^2(r_3+2r_5)t_3}$	0	$\frac{i\sqrt{2}(3k^2(r_3+2r_5)+4t_3)}{k(1+2k^2)^2(r_3+2r_5)t_3}$
$\tau_1^{#1} + \alpha$	0	0	0	0	0	0	0
$\tau_1^{#2} \dagger^{\alpha}$	0	0	0	$-\frac{4i}{k(1+2k^2)(r_3+2r_5)}$	$-\frac{i\sqrt{2}(3k^2(r_3+2r_5)+4t_3)}{k(1+2k^2)^2(r_3+2r_5)t_3}$	0	$\frac{6k^2(r_3+2r_5)+8t_3}{(1+2k^2)^2(r_3+2r_5)t_3}$

	$\omega_{1^{+}lphaeta}^{\sharp1}$	$\omega_{1}^{\#2}{}_{\alpha\beta}$	$f_{1}^{\#1}{}_{\alpha\beta}$	$\omega_{1}^{\sharp 1}{}_{lpha}$	$\omega_{1}^{\#2}{}_{\alpha}$	$f_{1-\alpha}^{\#1}$	$f_{1}^{#2}\alpha$
$\omega_{1}^{\sharp 1} \dagger^{\alpha \beta}$	$k^2 (2r_3 + r_5) + \frac{2t_2}{3}$	$\frac{\sqrt{2} t_2}{3}$	$\frac{1}{3}i\sqrt{2}kt_2$	0	0	0	0
$\omega_{1}^{\#2} \dagger^{\alpha\beta}$	$\frac{\sqrt{2} t_2}{3}$	<u>t2</u> 3	<u>i kt2</u> 3	0	0	0	0
$f_{1+}^{\#1}\dagger^{\alpha\beta}$	$-\frac{1}{3}\bar{l}\sqrt{2}kt_2$	$-\frac{1}{3}\bar{l}kt_2$	$\frac{k^2t_2}{3}$	0	0	0	0
$\omega_1^{\sharp 1}\dagger^lpha$	0	0	0	$k^2 \left(\frac{r_3}{2} + r_5 \right) + \frac{2t_3}{3}$	$-\frac{\sqrt{2} t_3}{3}$	0	$-\frac{2}{3}ikt_3$
$\omega_1^{\#2} \dagger^{lpha}$	0	0	0	$-\frac{\sqrt{2} t_3}{3}$	<i>t</i> 3 3	0	$\frac{1}{3}\bar{l}\sqrt{2}kt_3$
$f_{1}^{#1} \dagger^{\alpha}$	0	0	0	0	0	0	0
$f_{1}^{#2} \dagger^{\alpha}$	0	0	0	<u>2 i kt3</u> 3	$-\frac{1}{3}i\sqrt{2}kt_3$	0	$\frac{2k^2t_3}{3}$

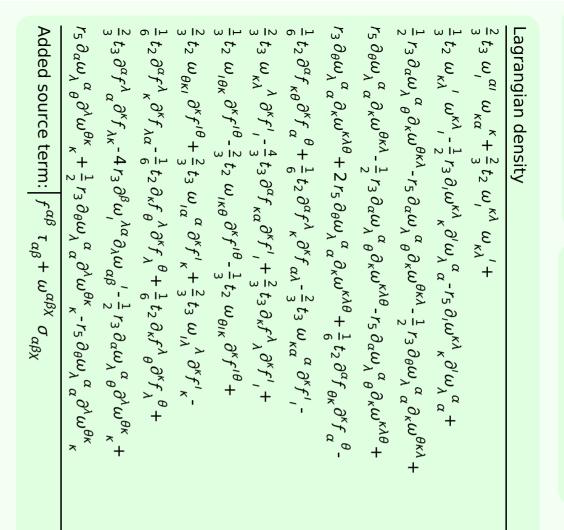
Source constraints				
SO(3) irreps	#			
$\tau_{0^{+}}^{\#2} == 0$	1			
$\overline{\tau_{0^{+}}^{\#1} - 2 \bar{\imath} k \sigma_{0^{+}}^{\#1} == 0}$	1			
$\tau_{1}^{\#2\alpha} + 2 i k \sigma_{1}^{\#2\alpha} == 0$	3			
$\tau_{1}^{\#1\alpha} == 0$	3			
$\tau_{1^{+}}^{\#1\alpha\beta} + ik\sigma_{1^{+}}^{\#2\alpha\beta} == 0$	3			
$\sigma_{2}^{\#1\alpha\beta\chi} == 0$	5			
$\tau_{2^{+}}^{\#1\alpha\beta} == 0$	5			
Total #:	21			

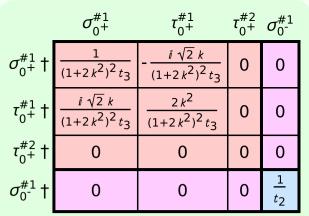


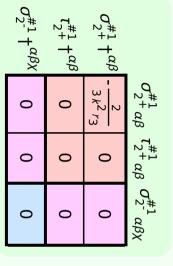
Unitarity conditions

$$r_3 < 0 \&\& (r_5 < -\frac{r_3}{2} || r_5 > -2 r_3) || r_3 > 0 \&\& -2 r_3 < r_5 < -\frac{r_3}{2}$$

(No massive particles)







_	$\omega_{0^+}^{\sharp 1}$	$f_{0+}^{\#1}$	$f_{0}^{#2}$	$\omega_0^{\#1}$
$\omega_{0}^{\#1}$ †	t_3	$-i \sqrt{2} kt_3$	0	0
$f_{0^{+}}^{#1}\dagger$	$i\sqrt{2} kt_3$	$2k^2t_3$	0	0
$f_{0}^{#2}$ †	0	0	0	0
$\omega_{0}^{#1}$ †	0	0	0	t_2

