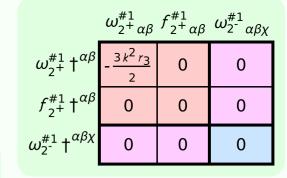


$f_{1^-}^{\#2}\alpha$	0	0	0	0	0	0	0
$f_{1^-}^{\#1} \alpha$	0	0	0	0	0	0	0
$\omega_{1}^{\#2}{}_{\alpha}$	0	0	0	0	0	0	0
$\omega_{1}^{\#1}{}_{\alpha}$	0	0	0	$-\frac{3k^2r_3}{2}$	0	0	0
$f_1^{\#1}_{+}$ $_{lphaeta}$	$\frac{1}{3}\vec{l}\sqrt{2}kt_2$	<u>i kt2</u> 3	$\frac{k^2 t_2}{3}$	0	0	0	0
$\omega_1^{\#_+^2} _{\alpha\beta}$	$\frac{\sqrt{2} t_2}{3}$	2 2 3	$-\frac{1}{3}$ \bar{l} kt_2	0	0	0	0
$\omega_1^{\#1}{}_+\alpha\beta$	$\frac{2t_2}{3}$	$\frac{\sqrt{2} t_2}{3}$	$-\frac{1}{3}\bar{l}\sqrt{2}kt_2$	0	0	0	0
	$\omega_1^{\#1} + ^{lphaeta}$	$\omega_1^{\#2} + ^{\alpha\beta}$	$f_1^{#1} + \alpha^{\beta}$	$\omega_{1}^{\#1} +^{\alpha}$	$\omega_{1}^{\#2} +^{\alpha}$	$f_{1^{\bar{-}}}^{\#1} +^{\alpha}$	$f_{1}^{\#2} +^{lpha}$

$\tau_{1}^{\#2}{}_{\alpha}$	0	0	0	0	0	0	0
$\tau_{1}^{\#1}{}_{\alpha}$	0	0	0	0	0	0	0
$\sigma_{1}^{\#2}{}_{lpha}$	0	0	0	0	0	0	0
$\sigma_{1^{-}}^{\#1}{}_{\alpha}$	0	0	0	$-\frac{2}{3k^2r_3}$	0	0	0
${\tau_1^{\#1}}_{+}{\alpha_\beta}$	$\frac{3i\sqrt{2}k}{(3+k^2)^2t_2}$	$\frac{3ik}{(3+k^2)^2t_2}$	$\frac{3k^2}{(3+k^2)^2t_2}$	0	0	0	0
$\sigma_1^{\#2}$	$\frac{3\sqrt{2}}{(3+k^2)^2t_2}$	$\frac{3}{(3+k^2)^2 t_2}$	$-\frac{3ik}{(3+k^2)^2t_2}$	0	0	0	0
$\sigma_1^{\#1}{}_+\alpha\beta$	$\frac{6}{(3+k^2)^2 t_2}$	$\frac{3\sqrt{2}}{(3+k^2)^2t_2}$	$-\frac{3i\sqrt{2}k}{(3+k^2)^2t_2}$	0	0	0	0
,	$\sigma_1^{\#1} + \alpha^{\beta}$	$\sigma_1^{\#2} + \alpha^{\beta}$	$\tau_1^{\#1} + ^{\alpha \beta}$	$\sigma_{1}^{\#1} +^{\alpha}$	$\sigma_{1}^{\#2} +^{\alpha}$	$\tau_{1}^{\#_{1}} +^{\alpha}$	$\tau_1^{\#2} + \alpha$



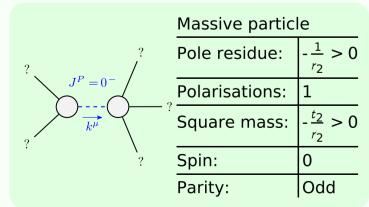
	$\sigma_{2^{+}\alpha\beta}^{\#1}$	$\tau_{2}^{\#1}{}_{\alpha\beta}$	$\sigma_{2^{-}\alpha\beta\chi}^{\#1}$
$\sigma_{2}^{\#1} \dagger^{\alpha\beta}$	$-\frac{2}{3k^2r_3}$	0	0
$\tau_2^{\#1} \dagger^{\alpha\beta}$	0	0	0
$\sigma_2^{\sharp 1} \dagger^{\alpha\beta\chi}$	0	0	0

Source constraints

SO(3) irreps # $\tau_{0^{+}}^{\#2} == 0$ 1 $\tau_{0^{+}}^{\#1} == 0$ 1 $\sigma_{0^{+}}^{\#1} == 0$ 3 $\tau_{1^{-}}^{\#2\alpha} == 0$ 3 $\tau_{1^{-}}^{\#1\alpha} == 0$ 3 $\tau_{1^{+}}^{\#1\alpha\beta} == 0$ 3 $\tau_{1^{+}}^{\#1\alpha\beta} + ik \sigma_{1^{+}}^{\#1\alpha\beta} == 0$ 3 $\sigma_{1^{+}}^{\#1\alpha\beta} == \sigma_{1^{+}}^{\#2\alpha\beta}$ 3 $\sigma_{2^{-}}^{\#1\alpha\beta\chi} == 0$ 5 $\tau_{2^{+}}^{\#1\alpha\beta} == 0$ 5 Total #:		
$ \tau_{0}^{\#1} = 0 \qquad 1 $ $ \sigma_{0}^{\#1} = 0 \qquad 1 $ $ \tau_{1}^{\#2\alpha} = 0 \qquad 3 $ $ \tau_{1}^{\#1\alpha} = 0 \qquad 3 $ $ \sigma_{1}^{\#1\alpha} = 0 \qquad 3 $ $ \tau_{1}^{\#1\alpha\beta} = 0 \qquad 3 $ $ \tau_{1}^{\#1\alpha\beta} + ik \sigma_{1}^{\#1\alpha\beta} = 0 \qquad 3 $ $ \sigma_{1}^{\#1\alpha\beta} = \sigma_{1}^{\#2\alpha\beta} \qquad 3 $ $ \sigma_{2}^{\#1\alpha\beta\chi} = 0 \qquad 5 $ $ \tau_{2}^{\#1\alpha\beta} = 0 \qquad 5 $	SO(3) irreps	#
$\sigma_{0^{+}}^{\#1} == 0 \qquad 1$ $\tau_{1^{-}}^{\#2\alpha} == 0 \qquad 3$ $\tau_{1^{-}}^{\#1\alpha} == 0 \qquad 3$ $\sigma_{1^{-}}^{\#2\alpha} == 0 \qquad 3$ $\tau_{1^{+}}^{\#1\alpha\beta} + ik \sigma_{1^{+}}^{\#1\alpha\beta} == 0 \qquad 3$ $\sigma_{1^{+}}^{\#1\alpha\beta} == \sigma_{1^{+}}^{\#2\alpha\beta} \qquad 3$ $\sigma_{2^{-}}^{\#1\alpha\beta\chi} == 0 \qquad 5$ $\tau_{2^{+}}^{\#1\alpha\beta} == 0 \qquad 5$	$\tau_{0+}^{\#2} == 0$	1
$ \tau_{1}^{\#2\alpha} == 0 \qquad 3 $ $ \tau_{1}^{\#1\alpha} == 0 \qquad 3 $ $ \sigma_{1}^{\#2\alpha} == 0 \qquad 3 $ $ \tau_{1}^{\#1\alpha\beta} + i k \sigma_{1}^{\#1\alpha\beta} == 0 \qquad 3 $ $ \sigma_{1}^{\#1\alpha\beta} == \sigma_{1}^{\#2\alpha\beta} \qquad 3 $ $ \sigma_{2}^{\#1\alpha\beta\chi} == 0 \qquad 5 $ $ \tau_{2}^{\#1\alpha\beta} == 0 \qquad 5 $	$\tau_{0+}^{\#1} == 0$	1
$\tau_{1}^{\#1\alpha} == 0 \qquad 3$ $\sigma_{1}^{\#2\alpha} == 0 \qquad 3$ $\tau_{1}^{\#1\alpha\beta} + ik \sigma_{1}^{\#1\alpha\beta} == 0 \qquad 3$ $\sigma_{1}^{\#1\alpha\beta} == \sigma_{1}^{\#2\alpha\beta} \qquad 3$ $\sigma_{2}^{\#1\alpha\beta\chi} == 0 \qquad 5$ $\tau_{2}^{\#1\alpha\beta} == 0 \qquad 5$	$\sigma_{0^{+}}^{\#1} == 0$	1
$\sigma_{1}^{\#2\alpha} = 0 \qquad 3$ $\tau_{1}^{\#1\alpha\beta} + ik \sigma_{1}^{\#1\alpha\beta} = 0 \qquad 3$ $\sigma_{1}^{\#1\alpha\beta} = \sigma_{1}^{\#2\alpha\beta} \qquad 3$ $\sigma_{2}^{\#1\alpha\beta\chi} = 0 \qquad 5$ $\tau_{2}^{\#1\alpha\beta} = 0 \qquad 5$	$\tau_{1}^{\#2\alpha} == 0$	3
$ \tau_{1}^{\#1}{}^{\alpha\beta} + i k \sigma_{1}^{\#1}{}^{\alpha\beta} == 0 3 $ $ \sigma_{1}^{\#1}{}^{\alpha\beta} == \sigma_{1}^{\#2}{}^{\alpha\beta} 3 $ $ \sigma_{2}^{\#1}{}^{\alpha\beta\chi} == 0 5 $ $ \tau_{2}^{\#1}{}^{\alpha\beta} == 0 5 $	$\tau_{1}^{\#1}{}^{\alpha} == 0$	3
$ \frac{\sigma_{1}^{\#1} \alpha \beta}{\sigma_{2}^{\#1} \alpha \beta} == \sigma_{1}^{\#2} \alpha \beta \qquad 3 $ $ \frac{\sigma_{2}^{\#1} \alpha \beta \chi}{\sigma_{2}^{\#1} \alpha \beta} == 0 \qquad 5 $	$\sigma_1^{\#2\alpha} == 0$	3
$ \frac{\sigma_{2}^{\#1}\alpha\beta\chi}{\sigma_{2}^{\#1}\alpha\beta} = 0 \qquad 5 $ $ \tau_{2}^{\#1}\alpha\beta} = 0 \qquad 5 $	$\tau_{1+}^{\#1}{}^{\alpha\beta} + i k \sigma_{1+}^{\#1}{}^{\alpha\beta} == 0$	3
$\tau_{2^{+}}^{\#1\alpha\beta} == 0 \qquad \qquad 5$	$\sigma_{1+}^{\#1}{}^{\alpha\beta} = \sigma_{1+}^{\#2}{}^{\alpha\beta}$	3
	$\sigma_2^{\#1\alpha\beta\chi} == 0$	5
Total #: 2	$\tau_{2^{+}}^{\#1\alpha\beta} == 0$	5
	Total #:	2

$\sigma_{0^{\text{-}}}^{\#1}$	0	0	0	$\frac{1}{k^2 r_2 + t_2}$
$\tau_0^{\#2}$	0	0	0	0
$\tau_0^{\#1}$	0	0	0	0
$\sigma_{0}^{\#1}$	0	0	0	0
,	$\sigma_{0}^{\#1}\dagger$	$\tau_0^{\#1} \uparrow$	$\tau_{0}^{\#2}$ †	$\sigma_{0}^{\#1}$ †

$\omega_{0^{+}}^{\#1} f_{0^{+}}^{\#1} f_{0^{+}}^{\#2} \qquad \omega_{0^{-}}^{\#1}$							
$\omega_{0}^{\#1}$ †	0	0	0	0			
$f_{0^{+}}^{#1}$ †	0	0	0	0			
$f_{0}^{#2}$ †	0	0	0	0			
$\omega_{0}^{#1}$ †	0	0	0	$k^2 r_2 + t_2$			



(No massless particles)