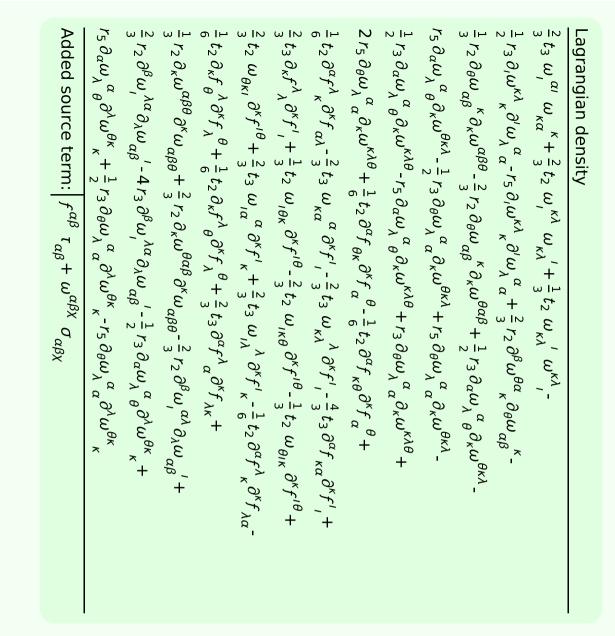
	$\sigma_{1^{+}lphaeta}^{\sharp1}$	$\sigma_{1^{+}lphaeta}^{\#2}$	$ au_{1}^{\#1}{}_{lphaeta}$	$\sigma_1^{\#1}{}_{lpha}$	$\sigma_{1-lpha}^{\#2}$	$\tau_{1}^{\#1}{}_{\alpha}$	τ ₁ - α
σ_{1}^{*1} † lphaeta	$\frac{1}{k^2(2r_3+r_5)}$	$-\frac{\sqrt{2}}{k^2(1+k^2)(2r_3+r_5)}$	$-\frac{i\sqrt{2}}{k(1+k^2)(2r_3+r_5)}$	0	0	0	0
$\sigma_{1}^{\#2}$ † lphaeta	$-\frac{\sqrt{2}}{k^2(1+k^2)(2r_3+r_5)}$	$\frac{3k^2(2r_3+r_5)+2t_2}{(k+k^3)^2(2r_3+r_5)t_2}$	$\frac{i(3k^2(2r_3+r_5)+2t_2)}{k(1+k^2)^2(2r_3+r_5)t_2}$	0	0	0	0
$ au_1^{\#1} \dagger^{lphaeta}$	$\frac{i \sqrt{2}}{k(1+k^2)(2r_3+r_5)}$	$-\frac{i(3k^2(2r_3+r_5)+2t_2)}{k(1+k^2)^2(2r_3+r_5)t_2}$		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	$\frac{i\sqrt{2}(3k^2(r_3+2r_5)+4t_3)}{k(1+2k^2)^2(r_3+2r_5)t_3}$
$\tau_1^{\#1} \uparrow^{\alpha}$	0	0	0	0	0	0	0
$\tau_1^{\#2} \uparrow^{\alpha}$	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	$\frac{6k^2(r_3+2r_5)+8t_3}{(1+2k^2)^2(r_3+2r_5)t_3}$

	$\omega_{1^{+}lphaeta}^{\sharp1}$	$\omega_{1}^{\#2}{}_{\alpha\beta}$	$f_{1}^{\#1}{}_{\alpha\beta}$	$\omega_{1^{-}\ lpha}^{\#1}$	$\omega_{1}^{\#2}{}_{lpha}$	$f_{1-\alpha}^{\#1}$	$f_{1}^{#2}\alpha$
$\omega_1^{\sharp 1} \dagger^{\alpha \beta}$	$k^2 (2r_3 + r_5) + \frac{2t_2}{3}$	$\frac{\sqrt{2} t_2}{3}$	$\frac{1}{3}i\sqrt{2}kt_2$	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
$f_{1}^{\#1} \dagger^{\alpha\beta}$	$-\frac{1}{3}\bar{l}\sqrt{2}kt_2$	$-\frac{1}{3}i\!\!\!/kt_2$	$\frac{k^2t_2}{3}$	0	0	0	0
$\omega_{1}^{#1}\dagger^{\alpha}$	0	0	0	$k^2 \left(\frac{r_3}{2} + r_5\right) + \frac{2t_3}{3}$	$-\frac{\sqrt{2} t_3}{3}$	0	$-\frac{2}{3}l\!\!/kt_3$
$\omega_{1}^{#2}$ † $^{\alpha}$	0	0	0	$-\frac{\sqrt{2} t_3}{3}$	<u>t3</u> 3	0	$\frac{1}{3}\bar{l}\sqrt{2}kt_3$
$f_{1}^{#1} \dagger^{\alpha}$	0	0	0	0	0	0	0
$f_{1}^{#2} + \alpha$	0	0	0	<u>2 i kt</u> 3 3	$-\frac{1}{3}i\sqrt{2}kt_3$	0	$\frac{2k^{2}t_{3}}{2}$

#
1
1
3
3
3
5
5
21

Source constraints

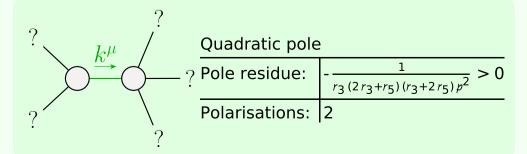


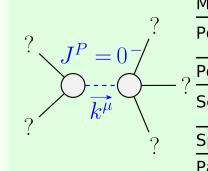
	$\omega_{2^{+}\alpha\beta}^{\#1}$	$f_{2+\alpha\beta}^{\#1}$	$\omega_{2-\alpha\beta\chi}^{\#1}$
$\omega_{2}^{\#1} \dagger^{lphaeta}$	$-\frac{3k^2r_3}{2}$	0	0
$f_{2}^{\#1} \dagger^{\alpha\beta}$	0	0	0
$\omega_2^{\#1} \dagger^{lphaeta\chi}$	0	0	0

	$\sigma_{2^{+}\alpha\beta}^{\#1}$	$ au_2^{\#1}{}_{lphaeta}$	$\sigma_{2}^{\#1}{}_{\alpha\beta\chi}$
$\sigma_{2}^{\#1} \dagger^{\alpha\beta}$	$-\frac{2}{3k^2r_3}$	0	0
$\tau_{2}^{\#1} \dagger^{\alpha\beta}$	0	0	0
$\sigma_2^{\#1} \dagger^{\alpha\beta\chi}$	0	0	0

	$\sigma_{0}^{\#1}$	$ au_{0}^{\#1}$	$ au_{0}^{\#2}$	$\sigma_0^{\#1}$
$\sigma_{0^{+}}^{#1}$ †	$\frac{1}{(1+2k^2)^2t_3}$	$-\frac{i\sqrt{2} k}{(1+2k^2)^2 t_3}$	0	0
$ au_{0^{+}}^{\#1}$ †	$\frac{i\sqrt{2} k}{(1+2k^2)^2 t_3}$	$\frac{2k^2}{(1+2k^2)^2t_3}$	0	0
$ au_{0}^{\#2} \dagger$	0	0	0	0
$\sigma_{0^{-}}^{\sharp 1}$ †	0	0	0	$\frac{1}{k^2 r_2 + t_2}$

_	$\omega_0^{\sharp 1}$	$f_{0^{+}}^{#1}$	$f_{0^{+}}^{#2}$	$\omega_0^{\sharp 1}$
$\omega_{0^+}^{\#1}\dagger$	t_3	$-i \sqrt{2} kt_3$	0	0
$f_{0^{+}}^{#1}\dagger$	$i\sqrt{2} kt_3$	$2k^2t_3$	0	0
$f_{0}^{#2} \dagger$	0	0	0	0
$\omega_0^{\sharp 1}$ †	0	0	0	$k^2 r_2 + t_2$





Massive particle					
Pole residue:	$-\frac{1}{r_2} > 0$				
Polarisations:	1				
Square mass:	$-\frac{t_2}{r_2} > 0$				
Spin:	0				
Parity:	Odd				
	Pole residue: Polarisations: Square mass: Spin:				

Unitarity conditions

$$r_2 < 0 \&\& r_3 < 0 \&\& r_5 < -\frac{r_3}{2} \&\& t_2 > 0 || r_2 < 0 \&\& r_3 < 0 \&\& r_5 > -2 r_3 \&\& t_2 > 0 ||$$

$$r_2 < 0 \&\& r_3 > 0 \&\& -2 r_3 < r_5 < -\frac{r_3}{2} \&\& t_2 > 0$$