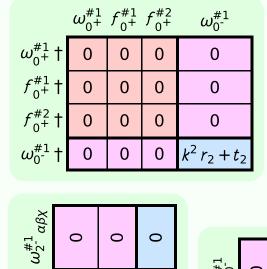
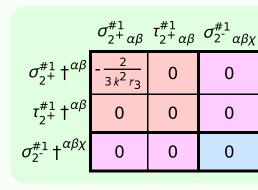


, I							
$\tau_{1^{-}}^{\#2}\alpha$	0	0	0	0	0	0	0
$\tau_{1^{-}\alpha}^{\#1}$	0 0	0	0	0	0	0	0 0
$\sigma_{1^{-}\alpha}^{\#2} t_{1^{-}\alpha}^{\#1} t_{1^{-}\alpha}^{\#2}$	0	0	0	0	0	0	0
$\sigma_{1^{-}\alpha}^{\#1}$	0	0	0	$\frac{2}{k^2 (r_3 + 2 r_5)}$	0	0	0
$\tau_{1}^{\#1}_{\alpha\beta}$	$-\frac{i\sqrt{2}}{k(1+k^2)(2r_3+r_5)}$	$\frac{i(3k^2(2r_3+r_5)+2t_2)}{k(1+k^2)^2(2r_3+r_5)t_2}$	$\frac{3k^2(2r_3+r_5)+2t_2}{(1+k^2)^2(2r_3+r_5)t_2}$	0	0	0	0
$\sigma_{1}^{\#2}{}_{\alpha\beta}$	$-\frac{\sqrt{2}}{k^2(1+k^2)(2r_3+r_5)}$	$\frac{3k^2(2r_3+r_5)+2t_2}{(k+k^3)^2(2r_3+r_5)t_2}$	$-\frac{i(3k^2(2r_3+r_5)+2t_2)}{k(1+k^2)^2(2r_3+r_5)t_2}$	0	0	0	0
$\sigma_{1}^{\#1}{}_{\alpha\beta}$	$\frac{1}{k^2 (2 r_3 + r_5)}$	$-\frac{\sqrt{2}}{k^2(1+k^2)(2r_3+r_5)}$	$\frac{i \sqrt{2}}{k(1+k^2)(2r_3+r_5)}$	0	0	0	0
	$\sigma_{1}^{\#1} + ^{\alpha\beta}$	$\sigma_1^{#2} + \alpha^{\beta}$	$t_1^{#1} + \alpha \beta$	$\sigma_{1}^{\#1} + ^{\alpha}$	$\sigma_{1}^{\#2} {\dagger}^{\alpha}$	$\tau_{1}^{\#1} +^{\alpha}$	$\tau_{1}^{\#2} +^{\alpha}$

$f_{1^-}^{\#2}\alpha$	0	0	0	0	0	0	0
$\omega_{1^-}^{\#2}{}_{lpha}f_{1^-}^{\#1}{}_{lpha}$	0	0	0	0	0	0	0
$\omega_{1^-}^{\#2}{}_{lpha}$	0	0	0	0	0	0	0
$\omega_{1^{-}}^{\#1}{}_{\alpha}$	0	0	0	$\frac{1}{2}k^{2}(r_{3}+2r_{5})$	0	0	0
$f_{1}^{\#1}$	$\frac{1}{3}\bar{l}\sqrt{2}kt_2$	<u>i kt2</u> 3	$\frac{k^2 t_2}{3}$	0	0	0	0
$\omega_{1}^{\#2}$	$\frac{\sqrt{2} t_2}{3}$	2 2 3	$-\frac{1}{3}ikt_2$	0	0	0	0
$\omega_{1}^{\#1}{}_{\alpha\beta}$	$k^2 (2 r_3 + r_5) + \frac{2t_2}{3}$	$\frac{\sqrt{2} \ t_2}{3}$	$-\frac{1}{3}$ i $\sqrt{2}$ kt ₂	0	0	0	0
	$\omega_{1}^{#1} + \alpha^{\beta} _{\mathcal{K}}$	$\omega_{1}^{\#2} + \alpha^{eta}$	$f_1^{\#1} + \alpha \beta$	$\omega_{1}^{\#1} +^{\alpha}$	$\omega_1^{\#2} +^{\alpha}$	$f_{1}^{\#1} \dagger^{lpha}$	$f_{1}^{#2} + \alpha$



 $\omega_{2}^{\#1}{}_{\alpha\beta} \ f_{2}^{\#1}{}_{\alpha\beta}$



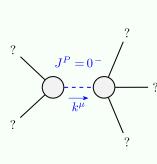
 $k^2 r_2 + t_2$

	$'''$ #1 + $\alpha\beta$	$\omega_2 + 1$	$f_{2}^{#1} + ^{\alpha \beta}$	$\omega_2^{\#1} +^{lphaeta\chi}$		σ ₀₊₁				Q_{0}^{+} \downarrow 0	
	#	П	Н	П	٣	т	m	ω (2	2	25
Source constraints	30(3) irreps	$^{#2}_{0^+} == 0$	$_{0}^{\#1} == 0$	$r_{0+}^{\#1} == 0$	$t_1^{\#2}\alpha == 0$	$t_1^{\#1}\alpha == 0$	$\sigma_{1}^{\#2}\alpha == 0$	$t_1^{\#_1}\alpha\beta + ik \ \sigma_1^{\#_2}\alpha\beta == 0$	$\sigma_{2}^{\#1}\alpha\beta\chi == 0$	$t_2^{\#1}\alpha\beta == 0$	otal #:

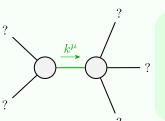
 $\sigma_{0^{-}}^{\#1}$

 ${\mathfrak r}_0^{\#2}$

 ${\mathfrak c}_0^{\#1}$



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



?		
	Quadratic pole	
?	Pole residue:	$-\frac{1}{r_3(2r_3+r_5)(r_3+2r_5)p^2} > 0$
	Polarisations:	2