	$\tau_{1^+}^{\#1\,\alpha\beta}$	$\sigma_{1^+}^{\#1\,\alpha}$	$\sigma_{1^-}^{\#2\,\alpha}$	$\tau_{1^-}^{\#1\,\alpha}$	$\tau_{1^-}^{\#2\,\alpha}$
$\sigma_{1^+}^{\#1\,\alpha\beta\,\dagger}$	$-\frac{i\sqrt{2}\,k}{t_1+k^2\,t_1}$	0	0	0	0
$\sigma_{1^+}^{\#2\,\alpha\beta\,\dagger}$	$\frac{-2\,i\,k^3\,(2\,r_1+r_5)+i\,k\,t_1}{(1+k^2)^2\,t_1^{\,2}}$	0	0	0	0
$\tau_{1^+}^{\#1\,\alpha\beta\,\dagger}$	$\frac{-2\,k^4\,(2\,r_1+r_5)+k^2\,t_1}{(1+k^2)^2\,t_1^{\,2}}$	0	0	0	0
$\sigma_{1^-}^{\#1\,\alpha\,\dagger}$	0	$\frac{1}{k^2\,(r_1+r_5)}$	$-\frac{1}{\sqrt{2}\,(k^2+2\,k^4)\,(r_1+r_5)}$	$-\frac{i}{k\,(1+2\,k^2)\,(r_1+r_5)}$	0
$\sigma_{1^-}^{\#2\,\alpha\,\dagger}$	0	$-\frac{1}{\sqrt{2}\,(k^2+2\,k^4)\,(r_1+r_5)}$	$\frac{6\,k^2\,(r_1+r_5)+t_1}{2\,(k+2\,k^3)^2\,(r_1+r_5)\,t_1}$	$\frac{i\,(6\,k^2\,(r_1+r_5)+t_1)}{\sqrt{2}\,k\,(1+2\,k^2)^2\,(r_1+r_5)\,t_1}$	0
$\tau_{1^-}^{\#1\,\alpha\,\dagger}$	0	0	0	0	0
$\tau_{1^-}^{\#2\,\alpha\,\dagger}$	0	$\frac{i}{k\,(1+2\,k^2)\,(r_1+r_5)}$	$-\frac{i\,(6\,k^2\,(r_1+r_5)+t_1)}{\sqrt{2}\,k\,(1+2\,k^2)^2\,(r_1+r_5)\,t_1}$	0	$\frac{6\,k^2\,(r_1+r_5)+t_1}{(1+2\,k^2)^2\,(r_1+r_5)\,t_1}$

Source constraints	
SO(3) irreps	#
$\sigma_{0^+}^{\#1} == 0$	1
$\tau_{0^+}^{\#1} == 0$	1
$\tau_{0^+}^{\#2} == 0$	1
$\tau_{1^-}^{\#2\,\alpha} + 2\,i\,k\,\sigma_{1^-}^{\#2\,\alpha} == 0$	3
$\tau_{1^-}^{\#1\,\alpha} == 0$	3
$\tau_{1^+}^{\#1\,\alpha\beta} + i\,k\,\sigma_{1^+}^{\#2\,\alpha\beta} == 0$	3
$\tau_{2^+}^{\#1\,\alpha\beta} - 2\,i\,k\,\sigma_{2^+}^{\#1\,\alpha\beta} == 0$	5
Total #:	17

	$\sigma_{2^+}^{\#1\,\alpha\beta}$	$\tau_{2^+}^{\#1\,\alpha\beta}$	$\sigma_{2^-}^{\#1\,\alpha\beta\chi}$
$\sigma_{2^+}^{\#1\,\alpha\beta\,\dagger}$	$\frac{2}{(1+2\,k^2)^2\,t_1}$	$-\frac{2\,i\,\sqrt{2}\,k}{(1+2\,k^2)^2\,t_1}$	0
$\tau_{2^+}^{\#1\,\alpha\beta\,\dagger}$	$\frac{2\,i\,\sqrt{2}\,k}{(1+2\,k^2)^2\,t_1}$	$\frac{4\,k^2}{(1+2\,k^2)^2\,t_1}$	0
$\sigma_{2^-}^{\#1\,\alpha\beta\chi\,\dagger}$	0	0	$\frac{2}{2\,k^2\,r_1+t_1}$

$$
\begin{aligned}
&-\tfrac{1}{3}\,t_1\,\omega_{\prime}^{\alpha\prime}{}_{\alpha}^{\kappa}\,\omega_{\kappa\alpha}{}^{\kappa}\text{-}t_1\,\omega_{\prime}^{\kappa\lambda}\,\omega_{\kappa\lambda}{}^{\prime}\text{-}r_5\,\partial_{\prime}\omega^{\kappa\lambda}{}_{\kappa}\,\partial^{\prime}\omega_{\lambda}{}_{\alpha}^{\alpha}\text{-}\tfrac{2}{3}\,r_1\,\partial^{\beta}\omega^{\theta\alpha}{}_{\kappa}\,\partial_{\theta}\omega_{\alpha\beta}{}^{\kappa}\text{-}\\
&\tfrac{2}{3}\,r_1\,\partial_{\theta}\omega_{\alpha\beta}{}^{\kappa}\,\partial_{\kappa}\omega^{\alpha\beta\theta}+\tfrac{2}{3}\,r_1\,\partial_{\theta}\omega_{\alpha\beta}{}^{\kappa}\,\partial_{\kappa}\omega^{\theta\alpha\beta}\text{-}r_5\,\partial_{\alpha}\omega_{\lambda}{}_{\theta}^{\alpha}\,\partial_{\kappa}\omega^{\theta\kappa\lambda}+\\
&r_5\,\partial_{\theta}\omega_{\lambda}{}_{\alpha}^{\alpha}\,\partial_{\kappa}\omega^{\theta\kappa\lambda}\text{-}r_5\,\partial_{\alpha}\omega_{\lambda}{}_{\theta}^{\alpha}\,\partial_{\kappa}\omega^{\kappa\lambda\theta}+2\,r_5\,\partial_{\theta}\omega_{\lambda}{}_{\alpha}^{\alpha}\,\partial_{\kappa}\omega^{\kappa\lambda\theta}\text{-}\\
&\tfrac{1}{2}\,t_1\,\partial^{\alpha}f_{\theta\kappa}\,\partial^{\kappa}f_{\alpha}{}^{\theta}\text{-}\tfrac{1}{2}\,t_1\,\partial^{\alpha}f_{\kappa\theta}\,\partial^{\kappa}f_{\alpha}{}^{\theta}\text{-}\tfrac{1}{2}\,t_1\,\partial^{\alpha}f_{\kappa\alpha}\,\partial^{\kappa}f_{\prime}^{\prime}\text{-}\tfrac{1}{3}\,t_1\,\partial_{\kappa}f^{\lambda}{}_{\lambda}\,\partial^{\kappa}f_{\prime}^{\prime}+\\
&\tfrac{1}{3}\,t_1\,\omega_{\kappa\alpha}{}^{\alpha}\,\partial^{\kappa}f_{\prime}^{\prime}+\tfrac{1}{3}\,t_1\,\omega_{\kappa\lambda}{}^{\lambda}\,\partial^{\kappa}f_{\prime}^{\prime}+\tfrac{2}{3}\,t_1\,\partial^{\alpha}f_{\prime}^{\prime}\text{-}\tfrac{1}{3}\,t_1\,\omega_{\prime\lambda}{}^{\lambda}\,\partial^{\kappa}f_{\kappa\alpha}+\\
&2\,t_1\,\omega_{\prime\kappa\theta}\,\partial^{\kappa}f^{\prime\theta}\text{-}\tfrac{1}{3}\,t_1\,\omega_{\prime\alpha}{}^{\alpha}\,\partial^{\kappa}f_{\kappa}^{\prime}\text{-}\tfrac{1}{3}\,t_1\,\omega_{\prime\kappa}{}^{\lambda}\,\partial^{\kappa}f_{\lambda\alpha}+\\
&\tfrac{1}{2}\,t_1\,\partial_{\kappa}f_{\theta}{}^{\lambda}\,\partial^{\kappa}f_{\lambda}{}^{\theta}+\tfrac{1}{2}\,t_1\,\partial_{\kappa}f^{\lambda}{}_{\theta}\,\partial^{\kappa}f_{\lambda}{}^{\theta}\text{-}\tfrac{1}{3}\,t_1\,\partial^{\alpha}f_{\lambda}{}^{\theta}\,\partial^{\kappa}f_{\alpha\beta}+\\
&\tfrac{2}{3}\,r_1\,\partial_{\kappa}\omega^{\alpha\beta\theta}\,\partial^{\kappa}\omega_{\alpha\beta\theta}\text{-}\tfrac{2}{3}\,r_1\,\partial_{\kappa}\omega^{\theta\alpha\beta}\,\partial^{\kappa}\omega_{\alpha\beta\theta}+\tfrac{2}{3}\,r_1\,\partial^{\beta}\omega_{\prime}^{\alpha\lambda}\,\partial_{\lambda}\omega_{\alpha\beta}{}^{\prime}\text{-}\\
&\tfrac{8}{3}\,r_1\,\partial^{\beta}\omega_{\prime}^{\lambda\alpha}\,\partial_{\lambda}\omega_{\alpha\beta}{}^{\prime}+r_5\,\partial_{\alpha}\omega_{\lambda}{}_{\theta}^{\alpha}\,\partial^{\lambda}\omega^{\theta\kappa}{}_{\kappa}\text{-}r_5\,\partial_{\theta}\omega_{\lambda}{}_{\alpha}^{\alpha}\,\partial^{\lambda}\omega^{\theta\kappa}{}_{\kappa}
\end{aligned}
$$

Added source term: $f^{\alpha\beta}\,\tau_{\alpha\beta}+\omega^{\alpha\beta\chi}\,\sigma_{\alpha\beta\chi}$

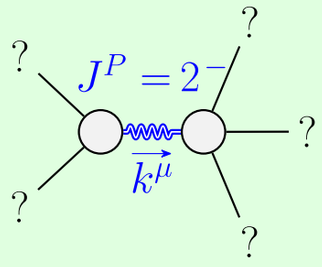
	$\sigma_{0^+}^{\#1}$	$\tau_{0^+}^{\#1}$	$\tau_{0^+}^{\#2}$	$\sigma_{0^-}^{\#1}$
$\sigma_{0^+}^{\#1\,\dagger}$	0	0	0	0
$\tau_{0^+}^{\#1\,\dagger}$	0	0	0	0
$\tau_{0^+}^{\#2\,\dagger}$	0	0	0	0
$\sigma_{0^-}^{\#1\,\dagger}$	0	0	0	$-\frac{1}{t_1}$

	$\omega_{2^+}^{\#1\,\alpha\beta}$	$f_{2^+}^{\#1\,\alpha\beta}$	$\omega_{2^-}^{\#1\,\alpha\beta\chi}$
$\omega_{2^+}^{\#1\,\alpha\beta\,\dagger}$	$\frac{t_1}{2}$	$-\frac{i\,k\,t_1}{\sqrt{2}}$	0
$f_{2^+}^{\#1\,\alpha\beta\,\dagger}$	$\frac{i\,k\,t_1}{\sqrt{2}}$	$k^2\,t_1$	0
$\omega_{2^-}^{\#1\,\alpha\beta\chi\,\dagger}$	0	0	$k^2\,r_1+\frac{t_1}{2}$

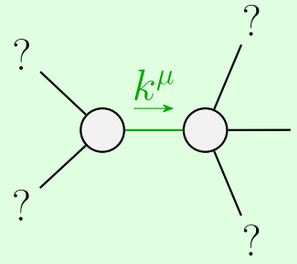
	$\omega_{0^+}^{\#1}$	$f_{0^+}^{\#1}$	$f_{0^+}^{\#2}$	$\omega_{0^-}^{\#1}$
$\omega_{0^+}^{\#1\,\dagger}$	0	0	0	0
$f_{0^+}^{\#1\,\dagger}$	0	0	0	0
$f_{0^+}^{\#2\,\dagger}$	0	0	0	0
$\omega_{0^-}^{\#1\,\dagger}$	0	0	0	$-t_1$

	$\omega_{1^+}^{\#1\,\alpha\beta}$	$\omega_{1^+}^{\#2\,\alpha\beta}$	$f_{1^+}^{\#1\,\alpha\beta}$	$\omega_{1^-}^{\#1\,\alpha}$	$f_{1^-}^{\#1\,\alpha}$	$f_{1^-}^{\#2\,\alpha}$
$\omega_{1^+}^{\#1\,\alpha\beta\,\dagger}$	$k^2\,(2\,r_1+r_5)-\frac{t_1}{2}$	$-\frac{t_1}{\sqrt{2}}$	$-\frac{i\,k\,t_1}{\sqrt{2}}$	0	0	0
$\omega_{1^+}^{\#2\,\alpha\beta\,\dagger}$	$-\frac{t_1}{\sqrt{2}}$	0	0	0	0	0
$f_{1^+}^{\#1\,\alpha\beta\,\dagger}$	$\frac{i\,k\,t_1}{\sqrt{2}}$	0	0	0	0	0
$\omega_{1^-}^{\#1\,\alpha\,\dagger}$	0	0	0	$k^2\,(r_1+r_5)+\frac{t_1}{6}$	$\frac{t_1}{3\,\sqrt{2}}$	$\frac{i\,k\,t_1}{3}$
$\omega_{1^-}^{\#2\,\alpha\,\dagger}$	0	0	0	$\frac{t_1}{3\,\sqrt{2}}$	$\frac{t_1}{3}$	$\frac{1}{3}\,i\,\sqrt{2}\,k\,t_1$
$f_{1^-}^{\#1\,\alpha\,\dagger}$	0	0	0	0	0	0
$f_{1^-}^{\#2\,\alpha\,\dagger}$	0	0	0	$-\frac{1}{3}\,i\,\sqrt{2}\,k\,t_1$	0	$\frac{2\,k^2\,t_1}{3}$

	$\omega_{1^+}^{\#1\,\alpha\beta}$	$\omega_{1^+}^{\#2\,\alpha\beta}$	$f_{1^+}^{\#1\,\alpha\beta}$	$\omega_{1^-}^{\#1\,\alpha}$	$f_{1^-}^{\#1\,\alpha}$	$f_{1^-}^{\#2\,\alpha}$
$\omega_{1^+}^{\#1\,\alpha\beta\,\dagger}$	$k^2\,(2\,r_1+r_5)-\frac{t_1}{2}$	$-\frac{t_1}{\sqrt{2}}$	$-\frac{i\,k\,t_1}{\sqrt{2}}$	0	0	0
$\omega_{1^+}^{\#2\,\alpha\beta\,\dagger}$	$-\frac{t_1}{\sqrt{2}}$	0	0	0	0	0
$f_{1^+}^{\#1\,\alpha\beta\,\dagger}$	$\frac{i\,k\,t_1}{\sqrt{2}}$	0	0	0	0	0
$\omega_{1^-}^{\#1\,\alpha\,\dagger}$	0	0	0	$k^2\,(r_1+r_5)+\frac{t_1}{6}$	$\frac{t_1}{3\,\sqrt{2}}$	$\frac{i\,k\,t_1}{3}$
$\omega_{1^-}^{\#2\,\alpha\,\dagger}$	0	0	0	$\frac{t_1}{3\,\sqrt{2}}$	$\frac{t_1}{3}$	$\frac{1}{3}\,i\,\sqrt{2}\,k\,t_1$
$f_{1^-}^{\#1\,\alpha\,\dagger}$	0	0	0	0	0	0
$f_{1^-}^{\#2\,\alpha\,\dagger}$	0	0	0	$-\frac{1}{3}\,i\,\sqrt{2}\,k\,t_1$	0	$\frac{2\,k^2\,t_1}{3}$



Massive particle	
Pole residue:	$-\frac{1}{r_1} > 0$
Polarisations:	5
Square mass:	$-\frac{t_1}{2\,r_1} > 0$
Spin:	2
Parity:	Odd



Quadratic pole	
Pole residue:	$-\frac{1}{(r_1+r_5)\,t_1^{\,2}} > 0$
Polarisations:	2

Unitarity conditions
$0 < t_1 \;\&\&\; r_1 < 0 \;\&\&\; r_5 < -r_1$