Lagrangian density

$$-\lambda\ \omega_{I\kappa\theta}\ \omega^{I\theta\kappa} - \lambda\ \omega^{I}{}_{\theta}{}^{\kappa}\ \omega_{I}{}^{\theta}{}_{\kappa} - \lambda\ \omega_{I}{}^{\alpha I}\ \omega_{\kappa\alpha}{}^{\kappa} - \lambda\ \omega^{\kappa\zeta}\ \omega_{I}{}^{I}{}_{\kappa\zeta}$$

$$2\lambda\ f^{I\theta}\ \partial_{\theta}\omega_{I}{}^{\kappa} + 2\lambda\ \partial_{\theta}\omega^{I\theta}{}_{I} + 2\lambda\ f^{I\theta}\ \partial_{\kappa}\omega^{\kappa}{}_{I}{}_{\theta} - 2\lambda\ f^{I}{}_{I}{}^{\theta}\ \partial_{\kappa}\omega^{\theta\kappa}{}_{\theta} -$$

$$\frac{1}{2}\lambda\ \partial^{\alpha}f_{\theta\kappa}\ \partial^{\kappa}f_{\alpha}{}^{\theta} - \frac{1}{2}\lambda\ \partial^{\alpha}f_{\kappa\theta}\ \partial^{\kappa}f_{\alpha}{}^{\theta} - \frac{1}{2}\lambda\ \partial^{\alpha}f_{\kappa}{}^{\zeta}\ \partial^{\kappa}f_{\alpha\zeta} +$$

$$\lambda\ \omega_{\kappa\alpha}{}^{\alpha}\ \partial^{\kappa}f^{I}{}_{I} + \lambda\ \omega_{\kappa\zeta}{}^{\zeta}\ \partial^{\kappa}f^{I}{}_{I} + 2\lambda\ \partial^{\alpha}f_{\kappa\alpha}\ \partial^{\kappa}f^{I}{}_{I} - \lambda\ \partial_{\kappa}f^{\zeta}{}_{\zeta}\ \partial^{\kappa}f^{I}{}_{I} +$$

$$2\lambda\ \omega_{I\kappa\theta}\ \partial^{\kappa}f^{I\theta} - \lambda\ \omega_{I\alpha}{}^{\alpha}\ \partial^{\kappa}f^{I}{}_{\kappa} - \lambda\ \omega_{I\zeta}{}^{\zeta}\ \partial^{\kappa}f^{I}{}_{\kappa} + \frac{1}{2}\lambda\ \partial^{\alpha}f^{\zeta}{}_{\kappa}\ \partial^{\kappa}f_{\zeta\alpha} +$$

$$\frac{1}{2}\lambda\ \partial_{\kappa}f^{\zeta}{}_{\theta}\ \partial^{\kappa}f_{\zeta}{}^{\theta} + \frac{1}{2}\lambda\ \partial_{\kappa}f^{\zeta}{}_{\theta}\ \partial^{\kappa}f_{\zeta}{}^{\theta} - \lambda\ \partial^{\alpha}f^{\zeta}{}_{\alpha}\ \partial^{\kappa}f_{\zeta\kappa}$$

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

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

	$\sigma_{1^+}^{\#1}{}^{\alpha\beta}$	$\sigma_{1^+}^{\#2}{}^{\alpha\beta}$	$\tau_{1^+}^{\#1}{}^{\alpha\beta}$	$\sigma_{1^-}^{\#1}{}^{\alpha}$	$\sigma_{1^-}^{\#2}{}^{\alpha}$	$\tau_{1^-}^{\#1}{}^{\alpha}$	$\tau_{1^-}^{\#2}{}^{\alpha}$
$\sigma_{1^+}^{\#1}{}^{\alpha\beta}\,\dagger$	0	0	0	0	0	0	0
$\sigma_{1^+}^{\#2}{}^{\alpha\beta}\,\dagger$	0	0	0	0	0	0	0
$\tau_{1^+}^{\#1}{}^{\alpha\beta}\,\dagger$	0	0	0	0	0	0	0
$\sigma_{1^-}^{\#1}{}^{\alpha}\,\dagger$	0	0	0	0	0	0	0
$\sigma_{1^-}^{\#2}{}^{\alpha}\,\dagger$	0	0	0	0	0	0	0
$\tau_{1^-}^{\#1}{}^{\alpha}\,\dagger$	0	0	0	0	0	0	0
$\tau_{1^-}^{\#2}{}^{\alpha}\,\dagger$	0	0	0	0	0	0	0

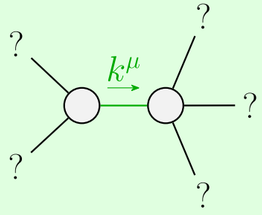
Source constraints	
SO(3) irreps	#
$\sigma_{0^-}^{\#1} == 0$	1
$\tau_{0^+}^{\#2} == 0$	1
$\sigma_{0^+}^{\#1} == 0$	1
$\tau_{1^-}^{\#2\,\alpha} == 0$	3
$\tau_{1^-}^{\#1\,\alpha} == 0$	3
$\sigma_{1^-}^{\#2\,\alpha} == 0$	3
$\sigma_{1^-}^{\#1\,\alpha} == 0$	3
$\tau_{1^+}^{\#1\,\alpha\beta} == 0$	3
$\sigma_{1^+}^{\#2\,\alpha\beta} == 0$	3
$\sigma_{1^+}^{\#1\,\alpha\beta} == 0$	3
$\sigma_{2^-}^{\#1\,\alpha\beta\chi} == 0$	5
$\sigma_{2^+}^{\#1\,\alpha\beta} == 0$	5
Total #:	34

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

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

	$\omega_{2^+}^{\#1}{}^{\alpha\beta}$	$f_{2^+}^{\#1}{}^{\alpha\beta}$	$\omega_{2^-}^{\#1}{}^{\alpha\beta\chi}$
$\omega_{2^+}^{\#1}{}^{\alpha\beta}\,\dagger$	0	0	0
$f_{2^+}^{\#1}{}^{\alpha\beta}\,\dagger$	0	$k^2\lambda$	0
$\omega_{2^-}^{\#1}{}^{\alpha\beta\chi}\,\dagger$	0	0	0

	$\sigma_{2^+}^{\#1}{}^{\alpha\beta}$	$\tau_{2^+}^{\#1}{}^{\alpha\beta}$	$\sigma_{2^-}^{\#1}{}^{\alpha\beta\chi}$
$\sigma_{2^+}^{\#1}{}^{\alpha\beta}\,\dagger$	0	0	0
$\tau_{2^+}^{\#1}{}^{\alpha\beta}\,\dagger$	0	$\frac{1}{k^2\lambda}$	0
$\sigma_{2^-}^{\#1}{}^{\alpha\beta\chi}\,\dagger$	0	0	0



Quadratic pole

Pole residue:	$\frac{1}{\lambda} > 0$
Polarisations:	2

Unitarity conditions

$\lambda > 0$

(No massive particles)