

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

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

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

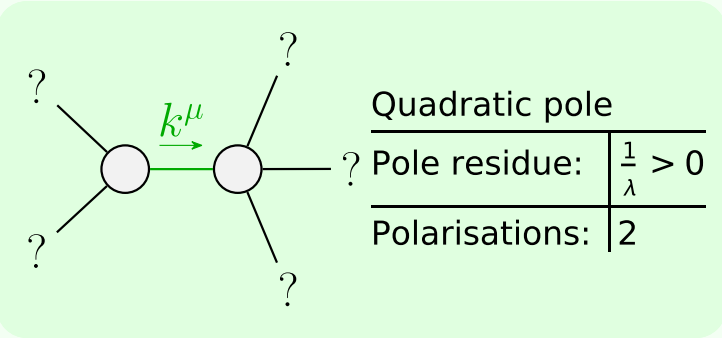
Source constraints	#
SO(3) irreps	
$\sigma_{0^-}^{\#1} == 0$	1
$\tau_{0^+}^{\#2} == 0$	1
$\sigma_{0^+}^{\#1} == 0$	1
$\tau_{1^-}^{\#2\alpha} == 0$	3
$\tau_{1^-}^{\#1\alpha} == 0$	3
$\sigma_{1^-}^{\#2\alpha} == 0$	3
$\sigma_{1^-}^{\#1\alpha} == 0$	3
$\tau_{1^+}^{\#1\alpha\beta} == 0$	3
$\sigma_{1^+}^{\#2\alpha\beta} == 0$	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

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

$\sigma_{1^+}^{\#1}$	$\sigma_{1^+}^{\#2}$	$\tau_{1^+}^{\#1}$	$\sigma_{1^-}^{\#1}$	$\sigma_{1^-}^{\#2}$	$\tau_{1^-}^{\#1}$	$\tau_{1^-}^{\#2}$
$\sigma_{1^+}^{\#1}$	0	0	0	0	0	0
$\sigma_{1^+}^{\#2}$	0	0	0	0	0	0
$\tau_{1^+}^{\#1}$	0	0	0	0	0	0
$\sigma_{1^-}^{\#1}$	0	0	0	0	0	0
$\sigma_{1^-}^{\#2}$	0	0	0	0	0	0
$\tau_{1^-}^{\#1}$	0	0	0	0	0	0
$\tau_{1^-}^{\#2}$	0	0	0	0	0	0

Lagrangian density
$ \begin{aligned} & -\lambda \omega_{\mu\kappa\theta} \omega^{\mu\theta\kappa} - \lambda \omega_{\mu\theta\kappa} \omega^{\mu\theta\kappa} - \lambda \omega_{\mu\kappa\alpha} \omega^{\mu\alpha\kappa} - \lambda \omega_{\mu\alpha\kappa} \omega^{\mu\kappa\alpha} - \lambda \omega_{\mu\kappa\zeta} \omega^{\mu\zeta\kappa} - \\ & 2\lambda f^{\mu\theta} \partial_\theta \omega_{\mu\kappa} + 2\lambda \partial_\theta \omega_{\mu\kappa}^{\theta} + 2\lambda f^{\mu\theta} \partial_\kappa \omega_{\mu\theta} - 2\lambda f_{\mu\theta}^{\mu\kappa} \partial_\kappa \omega_{\mu\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}^{\theta} \partial^\kappa f_{\alpha\zeta} + \\ & \lambda \omega_{\kappa\alpha}^{\alpha} \partial^\kappa f_{\mu}^{\mu} + \lambda \omega_{\kappa\zeta}^{\zeta} \partial^\kappa f_{\mu}^{\mu} + 2\lambda \partial^\alpha f_{\kappa\alpha} \partial^\kappa f_{\mu}^{\mu} - \lambda \partial_\kappa f_{\mu}^{\mu} \partial^\kappa f_{\mu}^{\mu} + \\ & 2\lambda \omega_{\mu\kappa\theta} \partial^\kappa f^{\mu\theta} - \lambda \omega_{\mu\alpha}^{\alpha} \partial^\kappa f_{\mu}^{\mu} - \lambda \omega_{\mu\zeta}^{\zeta} \partial^\kappa f_{\mu}^{\mu} + \frac{1}{2} \lambda \partial^\alpha f_{\mu}^{\mu} \partial^\kappa f_{\mu}^{\mu} + \\ & \frac{1}{2} \lambda \partial_\kappa f_{\theta}^{\mu} \partial^\kappa f_{\mu}^{\theta} + \frac{1}{2} \lambda \partial_\kappa f_{\theta}^{\mu} \partial^\kappa f_{\mu}^{\theta} - \lambda \partial^\alpha f_{\mu}^{\mu} \partial^\kappa f_{\mu}^{\mu} \end{aligned} $
Added source term:
$ f^{\alpha\beta} \tau_{\alpha\beta} + \omega^{\alpha\beta\chi} \sigma_{\alpha\beta\chi} $

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



Unitarity conditions

$\lambda > 0$

(No massive particles)