





Source constraints

SO(3) irreps

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

	$\sigma_{0^{+}}^{#1}$	$\sigma_0^{\#1}$
$\sigma_{0}^{\#1}$ †	0	0
$\sigma_0^{\#1}$ †	0	0
U	0	0

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 $\sigma_{1}^{\#2}{}^{\alpha} == 0$

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

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 $\sigma_{2}^{\#1}{}^{\alpha\beta} == 0$

Total #:

$\sigma_{2^{-}}^{\#1}{}_{\alpha\beta\chi}$	0	$\frac{1}{k^2 r_1}$	
$\sigma_{2}^{\#1}{}_{lphaeta}$ σ	0	0	
	$\sigma_{2^+}^{\#1} +^{\alpha\beta}$	$\sigma_{2}^{\#1} +^{lphaeta\chi}$	

$\omega_2^{\#1}$ $\omega_2^{\#1}$ $\omega_2^{\#1}$	0	$k^2 r_1$
	0	0
	$\omega_2^{\#1} +^{\alpha\beta}$	$\omega_{2^{-}}^{\#1} +^{lphaeta\chi}$

	$\omega_{1^{+}lphaeta}^{\#1}$	$\omega_{1^{+}\alpha\beta}^{\#2}$	$\omega_{1^-lpha}^{\#1}$	$\omega_{1-\alpha}^{\#2}$
$\omega_{1}^{\#1}\dagger^{lphaeta}$	$k^2 (2 r_1 + r_5)$	0	0	0
$\omega_{1}^{\#2}\dagger^{\alpha\beta}$	0	0	0	0
$\omega_{1}^{\#1} \dagger^{lpha}$	0	0	$k^2 \left(r_1 + r_5 \right)$	0
$\omega_{1}^{#2}$ † $^{\alpha}$	0	0	0	0

 $\sigma_1^{\#2} \alpha \beta$

$\sigma_{1}^{\#2}{}_{lpha}$	0	0	0	0
$\sigma_{1^{\bar{-}}\alpha}^{\#1}$	0	0	$\frac{1}{k^2 \left(r_1 + r_5 \right)}$	0
$\sigma_{1}^{\#2}{}_{\alpha\beta}$	0	0	0	0
$\sigma_{1}^{\#1}{}_{\alpha\beta}$		0	0	0
,	$\sigma_1^{\#1} + \alpha^{\beta}$	$\sigma_1^{\#_2^2} +^{\alpha\beta}$	$\sigma_{1}^{\#1} \dagger^{lpha}$	$\sigma_{1}^{\#2} + \alpha$

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

Polarisations: 2

(No massive particles)