

	$\sigma_{0}^{\#1}$	$\sigma_0^{\sharp 1}$
$\sigma_{0}^{\sharp 1}$ †	0	0
$\sigma_{0}^{\#1}$ †	0	0
'		

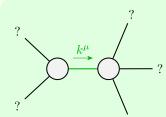
0	$\frac{1}{k^2 r_1}$	
0	0	
$\sigma_{2}^{\#1} + \alpha \beta$	$\sigma_{2}^{*1} + ^{lphaeta\chi}$	
	$\sigma_{2}^{\#1} + \alpha^{\beta}$ 0 0	0 0

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

traint	#	1	1	3	3	2	13
Source constraint	SO(3) irreps	$\sigma_{0}^{\#1} == 0$	$\sigma_{0^+}^{\#1} == 0$	$\sigma_{1}^{\#2}\alpha = 0$	$\sigma_{1+}^{\#2}\alpha\beta == 0$	$\sigma_{2+}^{\#1}\alpha\beta==0$	Total #:

	$\omega_{1^{+}lphaeta}^{\sharp1}$	$\omega_{1}^{\#2}{}_{\alpha\beta}$	$\omega_{1-lpha}^{\#1}$	$\omega_{1-\alpha}^{\#2}$
$\omega_{1}^{\#1} \dagger^{\alpha\beta}$	$k^2 (2 r_1 + r_5)$	0	0	0
$\omega_{1}^{\#2} \dagger^{\alpha\beta}$	0	0	0	0
$\omega_1^{\sharp_1} {\dagger}^{lpha}$	0	0	$k^2\left(r_1+r_5\right)$	0
$\omega_{1}^{#2} + \alpha$	0	0	0	0

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



Quadratic pole

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

Polarisations: 2

(No massive particles)

Unitarity conditions

 $r_1 < 0 \&\& (r_5 < -r_1 || r_5 > -2 r_1) || r_1 > 0 \&\& -2 r_1 < r_5 < -r_1$