

 $\omega_{1^{+}\alpha\beta}^{\#1}$

0

0

0

 $\omega_{1+}^{\#1} + \alpha^{\beta} k^{2} (2r_{3} + r_{5})$

 $r_3(2r_3+r_5)(r_3+2r_5)$

 $\omega_1^{\#2} + \alpha$

	$\omega_2^{\#1}$	3 k ² r ₃	2	0		
		$\omega_{2+}^{#1} + \alpha \beta$. 7	$\omega_{2}^{\#1} +^{lphaeta\chi}$		
-2 + αβ		$\omega_1^{\#_2}$	1 α		$\omega_1^{\!\scriptscriptstyle \#}$	±2 - α
0		0			()
0		0			()

 $\frac{1}{2}k^2(r_3+2r_5)$

0

0

0

 $\omega_{2^{-}}^{\#1} \alpha eta \chi$

 $\sigma_{2^{+}\alpha\beta}^{\#1}$ $\sigma_{2^{-}\alpha\beta\chi}^{\#1}$

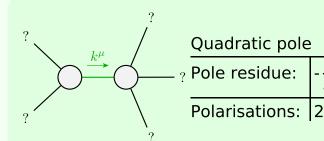
0

0

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

$\omega_0^{\#1}$	0	0	
·	$\omega_{0}^{\#1}\dagger$	$\omega_{0}^{\#1} \dotplus$	
	So	ourc	e const
	S	O(3)	irreps
2	σ_0^{i}	# <u>1</u> ==	0
α			

Source constraints		
SO(3) irreps	#	
$\sigma_0^{\#1} == 0$	1	
$\sigma_0^{\#1} == 0$	1	
$\sigma_1^{\#2\alpha} == 0$	3	
$\sigma_{1^{+}}^{\#2\alpha\beta}==0$	3	
$\sigma_{2}^{\#1}{}^{\alpha\beta\chi} == 0$	5	
Total #:	13	



Unitarity conditions

 $r_3 < 0 \&\& (r_5 < -\frac{r_3}{2} || r_5 > -2 r_3) || r_3 > 0 \&\& -2 r_3 < r_5 < -\frac{r_3}{2}$

(No massive particles)

0

0