

Wave operator and propagator

[illegible][illegible]

Source constraints/gauge generators	
$\mathcal{T}_0^{-\#2} = 0$	1
$\Delta_0^{\#4} = 0$	1
$\Delta_0^{\#3} + 3 \Delta_0^{\#2} = 0$	1
$\mathcal{T}_0^{-\#1\alpha} = 0$	3
$\Delta_1^{\#6\alpha} + \Delta_1^{\#5\alpha} = 0$	3
$\Delta_1^{\#4\alpha} + \Delta_1^{\#3\alpha} = 0$	3
Total constraints:	12

	$\Gamma_{2^+ a\beta}^{\#1}$	$\Gamma_{2^+ a\beta}^{\#2}$	$\Gamma_{2^+ a\beta}^{\#3}$	$h_{2^+ a\beta}^{\#1}$	$\Gamma_{2^+ a\beta\chi}^{\#1}$	$\Gamma_{2^+ a\beta\chi}^{\#2}$
$\Gamma_{2^+ a\beta}^{\#1} \mp^{a\beta}$	$\frac{1}{4} (a_0 - 2 a_1 - a_2)$	0	$-\frac{1}{4} \sqrt{3} (2 a_1 + a_2 + a_9)$	0	0	0
$\Gamma_{2^+ a\beta}^{\#2} \mp^{a\beta}$	0	$-3 (a_0 + 4 a_6 - 4 a_7)$	0	0	0	0
$\Gamma_{2^+ a\beta}^{\#3} \mp^{a\beta}$	$-\frac{1}{4} \sqrt{3} (2 a_1 + a_2 + a_9)$	0	$\frac{3}{4} (a_0 - 4 a_1 - 2 a_2 - 3 a_3 + 16 a_6 - 4 a_7 - 2 a_9)$	0	0	0
$h_{2^+ a\beta}^{\#1} \mp^{a\beta}$	0	0	0	$-\frac{a_0 t^2}{8}$	0	0
$\Gamma_{2^+ a\beta\chi}^{\#1} \mp^{a\beta\chi}$	0	0	0	0	$\frac{1}{4} (a_0 - 2 a_1 - a_2)$	$-\frac{1}{4} \sqrt{3} (2 a_1 + a_2 + a_9)$
$\Gamma_{2^+ a\beta\chi}^{\#2} \mp^{a\beta\chi}$	0	0	0	0	$-\frac{1}{4} \sqrt{3} (2 a_1 + a_2 + a_9)$	$\frac{3}{4} (a_0 - 4 a_1 - 2 a_2 - 3 a_3 + 16 a_6 - 4 a_7 - 2 a_9)$
	$\Delta_{3^+ a\beta\chi}^{\#1}$	$\Delta_{3^+ a\beta\chi}^{\#2}$	$\Delta_{3^+ a\beta\chi}^{\#3}$			
$\Gamma_{3^+ a\beta\chi}^{\#1} \mp^{a\beta\chi}$	$-3 (a_0 + 4 a_6 - 4 a_7)$	$\Delta_{3^+ a\beta\chi}^{\#1}$	$\frac{1}{-3 (a_0 + 4 a_6) + 12 a_7}$			

	Massive particle Pole residue: $\frac{1}{6\pi 1} > 0$ Polarisations: 1 Square mass: $\frac{-g_0+4g_1-4g_2}{12\pi 1} > 0$ Spin: 0 Parity: Odd	Quadratic pole Pole residue: $-\frac{1}{ag} > 0$ Polarisations: 2
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$$a_0 < 0 \ \&\& \ a_2 > \frac{1}{4} (a_0 + 4a_1) \ \&\& \ a_1 > 0$$