

Unitarity conditions

	$\overset{\#1}{1^+} \mathcal{A} \alpha \beta$	$\overset{\#2}{1^+} \mathcal{A} \alpha \beta$	$\overset{\#1}{1^+} f \alpha \beta$	$\overset{\#1}{1^+} \mathcal{A} \alpha$	$\overset{\#2}{1^+} \mathcal{A} \alpha$	$\overset{\#1}{1^+} f \alpha$	$\overset{\#2}{1^+} f \alpha$
$\overset{\#1}{1^+} \mathcal{A}^+ \alpha \beta$	$\frac{\alpha_0}{4} + \frac{1}{3} (\beta_1 + 8 \beta_3) + (\alpha_2 + \alpha_5) k^2$	$\frac{3 \alpha_0 - 4 \beta_1 + 16 \beta_3}{6 \sqrt{2}}$	$\frac{i (3 \alpha_0 - 4 \beta_1 + 16 \beta_3) k}{6 \sqrt{2}}$	0	0 0		0
$\overset{\#2}{1^+} \mathcal{A}^+ \alpha \beta$	$\frac{3 \alpha_0 - 4 \beta_1 + 16 \beta_3}{6 \sqrt{2}}$	$\frac{2}{3} (\beta_1 + 2 \beta_3)$	$\frac{2}{3} i (\beta_1 + 2 \beta_3) k$	0	0 0		0
$\overset{\#1}{1^+} f^+ \alpha \beta$	$-\frac{i (3 \alpha_0 - 4 \beta_1 + 16 \beta_3) k}{6 \sqrt{2}}$	$-\frac{2}{3} i (\beta_1 + 2 \beta_3) k$	$\frac{2}{3} (\beta_1 + 2 \beta_3) k^2$	0	0 0		0
$\overset{\#1}{1^+} \mathcal{A}^+ \alpha$	0	0 0		$\frac{\alpha_0}{4} + \frac{1}{3} (\beta_1 + 2 \beta_2) + (\alpha_4 + \alpha_5) k^2$	$-\frac{3 \alpha_0 - 4 \beta_1 + 4 \beta_2}{6 \sqrt{2}}$	0	$-\frac{1}{6} i (3 \alpha_0 - 4 \beta_1 + 4 \beta_2) k$
$\overset{\#2}{1^+} \mathcal{A}^+ \alpha$	0	0 0		$-\frac{3 \alpha_0 - 4 \beta_1 + 4 \beta_2}{6 \sqrt{2}}$	$\frac{1}{3} (2 \beta_1 + \beta_2)$	0	$\frac{1}{3} i \sqrt{2} (2 \beta_1 + \beta_2) k$
$\overset{\#1}{1^+} f^+ \alpha$	0	0 0		0	0 0		0
$\overset{\#2}{1^+} f^+ \alpha$	0	0 0		$\frac{1}{6} i (3 \alpha_0 - 4 \beta_1 + 4 \beta_2) k$	$-\frac{1}{3} i \sqrt{2} (2 \beta_1 + \beta_2) k$	0	$\frac{2}{3} (2 \beta_1 + \beta_2) k^2$

[illegible]