Observable	Definition
$A_K^{CP,\gamma}$	$\frac{\Gamma(B^-\to([h^+h^-]_D\gamma)^*_D K^-) - \Gamma(B^+\to([h^+h^-]_D\gamma)^*_D K^+)}{\Gamma(B^-\to([h^+h^-]_D\gamma)^*_D K^-) + \Gamma(B^+\to([h^+h^-]_D\gamma)^*_D K^+)}$
A_K^{CP,π^0}	$\frac{\Gamma(B^-\to([h^+h^-]_D\pi^0)^*_D K^-) - \Gamma(B^+\to([h^+h^-]_D\pi^0)^*_D K^+)}{\Gamma(B^-\to([h^+h^-]_D\pi^0)^*_D K^-) + \Gamma(B^+\to([h^+h^-]_D\pi^0)^*_D K^+)}$
$A_K^{K\pi,\gamma}$	$\frac{\Gamma(B^-\to([K^-\pi^+]_D\gamma)^*_D K^-) - \Gamma(B^+\to([K^+\pi^-]_D\gamma)^*_D K^+)}{\Gamma(B^-\to([K^-\pi^+]_D\gamma)^*_D K^-) + \Gamma(B^+\to([K^+\pi^-]_D\gamma)^*_D K^+)}$
$A_K^{K\pi,\pi^0}$	$\frac{\Gamma(B^-\to([K^-\pi^+]_D\pi^0)^*_D K^-) - \Gamma(B^+\to([K^+\pi^-]_D\pi^0)^*_D K^+)}{\Gamma(B^-\to([K^-\pi^+]_D\pi^0)^*_D K^-) + \Gamma(B^+\to([K^+\pi^-]_D\pi^0)^*_D K^+)}$
$R^{CP,\gamma}$	$\frac{\Gamma(B^-\to([h^+h^-]_D\gamma)^*_D K^-) + \Gamma(B^+\to([h^+h^-]_D\gamma)^*_D K^+)}{\Gamma(B^-\to([h^+h^-]_D\gamma)^*_D \pi^-) + \Gamma(B^+\to([h^+h^-]_D\gamma)^*_D \pi^+)} \times \frac{1}{R_{K/\pi}^{K\pi,\gamma/\pi^0}}$
R^{CP,π^0}	$\frac{\Gamma(B^-\to([h^+h^-]_D\pi^0)^*_D K^-) + \Gamma(B^+\to([h^+h^-]_D\pi^0)^*_D K^+)}{\Gamma(B^-\to([h^+h^-]_D\pi^0)^*_D \pi^-) + \Gamma(B^+\to([h^+h^-]_D\pi^0)^*_D \pi^+)} \times \frac{1}{R_{K/\pi}^{K\pi,\gamma/\pi^0}}$
$R_{K/\pi}^{K\pi,\gamma/\pi^0}$	$\frac{\Gamma(B^-\to([K^-\pi^+]_D\gamma/\pi^0)^*_D K^-) + \Gamma(B^+\to([K^+\pi^-]_D\gamma/\pi^0)^*_D K^+)}{\Gamma(B^-\to([K^-\pi^+]_D\gamma/\pi^0)^*_D \pi^-) + \Gamma(B^+\to([K^+\pi^-]_D\gamma/\pi^0)^*_D \pi^+)}$
$R_{K^-}^{\pi K,\gamma}$	$\frac{\Gamma(B^-\to([K^+\pi^-]_D\gamma)^*_D K^-)}{\Gamma(B^-\to([K^-\pi^+]_D\gamma)^*_D K^-)}$
$R_{K^-}^{\pi K,\pi^0}$	$\frac{\Gamma(B^-\to([K^+\pi^-]_D\pi^0)^*_D K^-)}{\Gamma(B^-\to([K^-\pi^+]_D\pi^0)^*_D K^-)}$
$R_{K^+}^{\pi K,\gamma}$	$\frac{\Gamma(B^+\to([K^-\pi^+]_D\gamma)^*_D K^+)}{\Gamma(B^+\to([K^+\pi^-]_D\gamma)^*_D K^+)}$
$R_{K^+}^{\pi K,\pi^0}$	$\frac{\Gamma(B^+\to([K^-\pi^+]_D\pi^0)^*_D K^+)}{\Gamma(B^+\to([K^+\pi^-]_D\pi^0)^*_D K^+)}$
$A_\pi^{CP,\gamma}$	$\frac{\Gamma(B^-\to([h^+h^-]_D\gamma)^*_D \pi^-) - \Gamma(B^+\to([h^+h^-]_D\gamma)^*_D \pi^+)}{\Gamma(B^-\to([h^+h^-]_D\gamma)^*_D \pi^-) + \Gamma(B^+\to([h^+h^-]_D\gamma)^*_D \pi^+)}$
A_π^{CP,π^0}	$\frac{\Gamma(B^-\to([h^+h^-]_D\pi^0)^*_D \pi^-) - \Gamma(B^+\to([h^+h^-]_D\pi^0)^*_D \pi^+)}{\Gamma(B^-\to([h^+h^-]_D\pi^0)^*_D \pi^-) + \Gamma(B^+\to([h^+h^-]_D\pi^0)^*_D \pi^+)}$
$A_\pi^{K\pi,\gamma}$	$\frac{\Gamma(B^-\to([K^-\pi^+]_D\gamma)^*_D \pi^-) - \Gamma(B^+\to([K^+\pi^-]_D\gamma)^*_D \pi^+)}{\Gamma(B^-\to([K^-\pi^+]_D\gamma)^*_D \pi^-) + \Gamma(B^+\to([K^+\pi^-]_D\gamma)^*_D \pi^+)}$
$A_\pi^{K\pi,\pi^0}$	$\frac{\Gamma(B^-\to([K^-\pi^+]_D\pi^0)^*_D \pi^-) - \Gamma(B^+\to([K^+\pi^-]_D\pi^0)^*_D \pi^+)}{\Gamma(B^-\to([K^-\pi^+]_D\pi^0)^*_D \pi^-) + \Gamma(B^+\to([K^+\pi^-]_D\pi^0)^*_D \pi^+)}$
$R_{\pi^-}^{\pi K,\gamma}$	$\frac{\Gamma(B^-\to([K^+\pi^-]_D\gamma)^*_D \pi^-)}{\Gamma(B^-\to([K^-\pi^+]_D\gamma)^*_D \pi^-)}$
$R_{\pi^-}^{\pi K,\pi^0}$	$\frac{\Gamma(B^-\to([K^+\pi^-]_D\pi^0)^*_D \pi^-)}{\Gamma(B^-\to([K^-\pi^+]_D\pi^0)^*_D \pi^-)}$
$R_{\pi^+}^{\pi K,\gamma}$	$\frac{\Gamma(B^+\to([K^-\pi^+]_D\gamma)^*_D \pi^+)}{\Gamma(B^+\to([K^+\pi^-]_D\gamma)^*_D \pi^+)}$
$R_{\pi^+}^{\pi K,\pi^0}$	$\frac{\Gamma(B^+\to([K^-\pi^+]_D\pi^0)^*_D \pi^+)}{\Gamma(B^+\to([K^+\pi^-]_D\pi^0)^*_D \pi^+)}$