| Amplitude | $|c_k|$ | arg($c_k$) [rad] | Fit fraction [%] |
|-----------|---------|----------------|-----------------|
| $D^0 \rightarrow [\phi(1020)(\rho - \omega)^0]_{L=0}$ | 1 (fixed) | 0 (fixed) | 23.78 ± 0.38 |
| $D^0 \rightarrow K_1(1400)^+ K^-$ | 0.63 ± 0.01 | 1.03 ± 0.02 | 18.93 ± 0.46 |
| $D^0 \rightarrow [K^- \pi^+]_{L=0} [K^+ \pi^-]_{L=0}$ | 0.28 ± 0.00 | -0.60 ± 0.02 | 18.76 ± 0.36 |
| $D^0 \rightarrow K_1(1270)^+ K^-$ | 0.46 ± 0.01 | 2.03 ± 0.02 | 18.40 ± 0.37 |
| $D^0 \rightarrow [K^*(892)^0 K^*(892)^0]_{L=0}$ | 0.28 ± 0.00 | -0.28 ± 0.02 | 9.23 ± 0.21 |
| $D^0 \rightarrow [K^*(1410)^0 K^-]_{L=0}$ | 1.82 ± 0.03 | 0.44 ± 0.02 | 6.59 ± 0.15 |
| $D^0 \rightarrow [K^*(892)^0 K^*(892)^0]_{L=1}$ | 0.27 ± 0.01 | 1.21 ± 0.02 | 5.00 ± 0.16 |
| $D^0 \rightarrow K_1(1270)^- K^+$ | 0.22 ± 0.01 | 2.12 ± 0.03 | 4.20 ± 0.17 |
| $D^0 \rightarrow [K^+ K^-]_{L=0} [\pi^+ \pi^-]_{L=0}$ | 0.12 ± 0.00 | -2.53 ± 0.03 | 3.12 ± 0.17 |
| $D^0 \rightarrow [K^*(892)^0 K^*(892)^0]_{L=0}$ | 0.69 ± 0.02 | 2.95 ± 0.03 | 2.97 ± 0.15 |
| $D^0 \rightarrow K_1(1400)^- K^+$ | 0.24 ± 0.01 | 0.10 ± 0.04 | 2.73 ± 0.18 |
| $D^0 \rightarrow [\bar{K}^*(1410)^0 K^*(892)^0]_{L=1}$ | 0.82 ± 0.02 | -2.78 ± 0.02 | 2.62 ± 0.10 |
| $D^0 \rightarrow [\bar{K}^*(1410)^0 K^*(892)^0]_{L=1}$ | 1.03 ± 0.02 | 1.07 ± 0.02 | 2.32 ± 0.09 |
| $D^0 \rightarrow [\phi(1020)(\rho - \omega)^0]_{L=2}$ | 1.31 ± 0.03 | 0.54 ± 0.02 | 2.28 ± 0.08 |
| $D^0 \rightarrow [K^*(892)^0 K^*(892)^0]_{L=2}$ | 0.69 ± 0.02 | 2.87 ± 0.03 | 1.80 ± 0.10 |
| $D^0 \rightarrow \phi(1020)[\pi^+ \pi^-]_{L=0}$ | 0.05 ± 0.00 | -1.70 ± 0.04 | 1.47 ± 0.09 |
| $D^0 \rightarrow [K^*(1410)^0 K^*(892)^0]_{L=1}$ | 0.61 ± 0.02 | 0.09 ± 0.03 | 1.46 ± 0.08 |
| $D^0 \rightarrow [\phi(1020)\rho(1450)^0]_{L=1}$ | 0.76 ± 0.04 | 1.18 ± 0.04 | 0.97 ± 0.09 |
| $D^0 \rightarrow a_0(980)^0 f_2(1270)^0$ | 1.46 ± 0.06 | 0.33 ± 0.04 | 0.64 ± 0.05 |
| $D^0 \rightarrow a_1(1260)^- \pi^+$ | 0.19 ± 0.01 | 0.18 ± 0.06 | 0.47 ± 0.06 |
| $D^0 \rightarrow a_1(1260)^+ \pi^-$ | 0.19 ± 0.01 | -2.80 ± 0.07 | 0.47 ± 0.06 |
| $D^0 \rightarrow [\phi(1020)(\rho - \omega)^0]_{L=1}$ | 0.16 ± 0.01 | 0.27 ± 0.07 | 0.43 ± 0.05 |
| $D^0 \rightarrow [K^*(1410)^0 \bar{K}^*(892)^0]_{L=2}$ | 1.03 ± 0.08 | -2.52 ± 0.08 | 0.33 ± 0.05 |
| $D^0 \rightarrow [K^+ K^-]_{L=0} (\rho - \omega)^0$ | 0.21 ± 0.02 | 3.06 ± 0.08 | 0.29 ± 0.04 |
| $D^0 \rightarrow [\phi(1020)f_2(1270)^0]_{L=1}$ | 1.40 ± 0.10 | 1.72 ± 0.06 | 0.19 ± 0.02 |
| $D^0 \rightarrow [K^*(892)^0 \bar{K}^*(1430)^0]_{L=1}$ | 1.51 ± 0.09 | 1.98 ± 0.07 | 0.16 ± 0.02 |

Sum of fit fractions

\[
\chi^2/\text{ndf} = 9224/8123 = 1.14
\]

| $a_1(1260)^+ \rightarrow [\phi(1020)\pi^+]_{L=0}$ | 1 (fixed) | 0 (fixed) | 100 |

| $K_1(1270)^+ \rightarrow [K^*(892)^0 \pi^+]_{L=0}$ | 0.62 ± 0.02 | 0.59 ± 0.03 | 51.64 ± 0.89 |
| $K_1(1270)^+ \rightarrow [(\rho - \omega)^0 K^+]_{L=0}$ | 1 (fixed) | 0 (fixed) | 48.33 ± 1.82 |
| $K_1(1270)^+ \rightarrow [K^+ \pi^-]_{L=0} \pi^+$ | 0.58 ± 0.03 | -1.89 ± 0.04 | 5.35 ± 0.44 |
| $K_1(1270)^+ \rightarrow [K^*(892)^0 \pi^+]_{L=2}$ | 0.92 ± 0.05 | -2.56 ± 0.04 | 2.06 ± 0.17 |
| $K_1(1270)^+ \rightarrow [\rho(1450)^0 K^+]_{L=0}$ | 0.43 ± 0.07 | -2.29 ± 0.11 | 1.12 ± 0.38 |

Sum of fit fractions 108.49 ± 2.08

| $K_1(1400)^+ \rightarrow [K^*(892)^0 \pi^+]_{L=0}$ | 1 (fixed) | 0 (fixed) | 100 |