

Source	Uncertainty [%]
Track reconstruction	3.2
Offline selection	2.0
Simulated decay models	2.5
Hardware trigger	4.4
Software trigger	4.3
Muon identification	3.2
Kaon identification	1.0
Size of simulated sample	2.9
$\sigma_{\text{syst}}(\varepsilon_{D^0 \rightarrow K^- \pi^+ \mu^+ \mu^-} / \varepsilon_{D^0 \rightarrow K^- \pi^+ \pi^+ \pi^-})$	8.8
Signal shape parameters	0.8
Peaking background tails	1.5
Signal PDF	0.6
Non-peaking background shape	2.1
$\sigma_{\text{syst}}(N_{K^- \pi^+ (\mu^+ \mu^-)_{\rho^0 - \omega}} / N_{K^- \pi^+ \pi^+ \pi^-})$	2.8
$\mathcal{B}(D^0 \rightarrow K^- \pi^+ \pi^+ \pi^-)$	2.5
Quadratic sum	9.6