

|                        | Uncertainties (%) |       |         |          | Correlations (%) |             |
|------------------------|-------------------|-------|---------|----------|------------------|-------------|
|                        | $D^0$             | $D^+$ | $D_s^+$ | $D^{*+}$ | Bins             | Decay modes |
| Luminosity             |                   |       | 3.8     |          | 100              | 100         |
| Tracking               | 3–5               | 5–7   | 4–7     | 5–7      | 90–100           | 90–100      |
| Branching fractions    | 1.2               | 2.1   | 5.8     | 1.5      | 100              | 0–95        |
| Simulation sample size | 0–10              | 0–10  | 2–9     | 1–10     | 0                | 0           |
| Simulation modelling   | 0.3               | 0.7   | 0.6     | 2        | 0                | 0           |
| PID sample size        | 0–1               | 0–1   | 0–2     | 0–2      | 0–100            | 0–100       |
| PID binning            | 0–30              | 0–10  | 0–20    | 0–20     | 0                | 0           |
| Fit model shapes       | 0–3               | 0–3   | 0–3     | 0.0–1.0  | 0                | 0           |