

| Source                        | $D^{*+}$ | $D^0$ | $D^+$ |
|-------------------------------|----------|-------|-------|
| Signal efficiency calculation | 0.3      | 0.3   | 3.5   |
| Nonprompt contamination       | 3.5      | 2.2   | 2.4   |
| PU reweighting                | 1.0      | 1.0   | 2.0   |
| Branching fraction            | 1.1      | 0.8   | 1.7   |
| Tracking efficiency           | 9.4      | 4.2   | 6.1   |
| Signal modeling               | 3.6      | 5.0   | 4.2   |
| Background modeling           | 1.2      | 4.8   | 8.0   |
| Integrated luminosity         | 2.5      | 2.5   | 2.5   |
| Time-dependent inefficiency   | 1.4      | 1.4   | 1.4   |
| Total                         | 11.2     | 9.0   | 12.3  |