

| Source | $\frac{B^0 \rightarrow D^- \pi^+}{B^0 \rightarrow D^- K^+}$ (%) | $\frac{B_s^0 \rightarrow D_s^- \pi^+}{B^0 \rightarrow D^- K^+}$ (%) | $\frac{B_s^0 \rightarrow D_s^- \pi^+}{B^0 \rightarrow D^- \pi^+}$ (%) |
|---|---|---|---|
| Detector acceptance and reconstruction | 0.7 | 0.7 | 2.0 – 2.9 |
| Hardware trigger efficiency | 2.0 | 2.0 | 0.8 |
| Offline selection | 1.2 | 1.1 | 1.2 |
| BDT cut | 1.0 | 1.0 | 1.5 |
| PID selection | 1.0 | 1.5 | 1.1 |
| Comb. background | 0.7 | 1.0 | 0.8 |
| Signal shape (tails) | 0.5 | 0.6 | [correl.] |
| Signal shape (core) | 0.8 | 1.0 | [correl.] |
| Charmless background | 0.4 | – | [correl.] |
| Total | 3.1 | 3.4 | 3.2 – 3.8 |