| Source                                  | Forward (%) | Backward (%) |
|---|-------------|--------------|
| Correlated between bins                 |             |              |
| Mass fits                               | 2.3         | 3.4          |
| Radiative tail                          | 1.0         | 1.0          |
| Muon identification                     | 1.3         | 1.3          |
| Tracking efficiency                     | 1.5         | 1.5          |
| Luminosity                              | 1.9         | 2.1          |
| $\mathcal{B}(J/\psi \to \mu^+\mu^-)$    | 1.0         | 1.0          |
| Uncorrelated between bins               |             |              |
| Binning                                 | 0.1 - 8.7   | 0.1 - 6.1    |
| Multiplicity weight                     | 0.1 - 3.0   | 0.2 - 4.3    |
| $t_z$ fit (only for $J/\psi$ from $b$ ) | 0.2 - 12    | 0.2 - 13     |