

| Decay mode                 | Momentum<br>scale<br>calibration | Energy<br>loss | Signal<br>model | Background<br>model | Intermediate<br>states | Selection | Total |
|----------------------------|----------------------------------|----------------|-----------------|---------------------|------------------------|-----------|-------|
| $B_s^0(D_s^- \pi^+) \pi^+$ | 0.23                             | 0.04           | 0.10            | 0.01                | <0.01                  | 0.13      | 0.29  |
| $B_s^0(J/\psi \phi) \pi^+$ | 0.23                             | 0.04           | 0.10            | <0.01               | <0.01                  | 0.02      | 0.25  |