| Systematic uncertainty               | $|A_{pK^*}|^2$ | $|A_{pK^*}|^2$ | $|A_{pK^*}|^2$ | $|A_{wK^*}|^2$ | $|A_{wK^*}|^2$ | $|A_{w(K\pi)}|\pi$ | $|A_{S1K^*}|^2$ | $|A_{S2K^*}|^2$ | $|A_{S3K^*}|^2$ |
|-------------------------------------|--------------|--------------|--------------|--------------|--------------|----------------|--------------|--------------|--------------|
| CP averages                         |              |              |              |              |              |                |              |              |              |
| Centrifugal barrier factors         |              |              |              |              |              |                |              |              |              |
| Hypatia parameters                  |              |              |              |              |              |                |              |              |              |
| $B_s^0 \rightarrow K^{*0} \bar{K}^{*0}$ bkg. | 0.01         | 0.01         | 0.01         | 0.0004       | 0.0002       | 0.001          | 0.01          | 0.02         | 0.01         |
| Simulation sample size              | 0.01         | 0.01         | 0.002        | 0.0007       | 0.0003       | 0.005          | 0.02          | 0.06         | 0.04         |
| Data-Simulation corrections         |              |              |              |              |              |                |              |              |              |
| CP asym.                            |              |              |              |              |              |                |              |              |              |
| Centrifugal barrier factors         |              |              |              |              |              |                |              |              |              |
| Hypatia parameters                  |              |              |              |              |              |                |              |              |              |
| $B_s^0 \rightarrow K^{*0} \bar{K}^{*0}$ bkg. | 0.03         | 0.011        | 0.013        | 0.13         | 0.1          | 0.01           | 0.02          | 0.005        | 0.01         |
| Simulation sample size              | 0.02         | 0.014        | 0.011        | 0.1          | 0.17         | 0.4            | 0.14          | 0.04         | 0.022        |
| Data-Simulation corrections         |              |              |              |              |              |                |              |              |              |
| Common $(B^0_e, B^0_s)$              |              |              |              |              |              |                |              |              |              |
| Mass propagators parameters         | 0.01         | 0.033        | 0.040        | 0.002        | 0.0003       | 0.0001         | 0.002         | 0.07         | 0.170        |
| Masses and angles resolution        | 0.01         | 0.023        | 0.040        | 0.010        | 0.0028       | 0.0010         | 0.024         | 0.03         | 0.050        |
| Fit method                          | 0.01         | 0.007        | 0.007        | 0.004        | 0.0005       | 0.0010         | 0.01          | 0.01         | 0.029        |
| $a_1(1260)$ pollution               | 0.06         | 0.070        | 0.019        | 0.003        | 0.0005       | 0.0002         | 0.003         | 0.05         | 0.130        |
| Symmetrisated $(\pi\pi)$ PDF        | 0.04         | 0.030        | 0.021        | -            | 0.008        | 0.0003         | 0.004         | 0.03         | 0.080        |
| Systematic uncertainty              | $|A_{S1(K\pi)}|^2$ | $|A_{S2(K\pi)}|^2$ | $|A_{S3(K\pi)}|^2$ | $\delta^0_{pK^*}$ | $\delta^0_{pK^*}$ | $\delta^0_{wK^*}$ | $\delta^0_{wK^*}$ | $\delta^0_{wK^*}$ | $\delta^0_{w(K\pi)}$ |
| CP averages                         |              |              |              |              |              |                |              |              |              |
| Centrifugal barrier factors         | 0.003        | 0.02         | 0.003        | -            | 0.001        | 0.002          | 0.03          | 0.01         | -            |
| Hypatia parameters                  | 0.001        | 0.01         | 0.001        | -            | 0.001        | 0.002          | 0.01          | 0.01         | -            |
| $B_s^0 \rightarrow K^{*0} \bar{K}^{*0}$ bkg. | 0.008        | 0.01         | 0.004        | 0.02         | 0.018        | 0.007          | 0.04          | 0.02         | 0.1          |
| Simulation sample size              | 0.006        | 0.03         | 0.007        | 0.02         | 0.009        | 0.008          | 0.15          | 0.07         | 0.1          |
| Data-Simulation corrections         |              |              |              |              |              |                |              |              |              |
| CP asym.                            |              |              |              |              |              |                |              |              |              |
| Centrifugal barrier factors         |              |              |              |              |              |                |              |              |              |
| Hypatia parameters                  |              |              |              |              |              |                |              |              |              |
| $B_s^0 \rightarrow K^{*0} \bar{K}^{*0}$ bkg. | 0.05         | 0.007        | 0.03         | 0.03         | 0.024        | 0.009          | 0.05          | 0.02         | 0.06         |
| Simulation sample size              | 0.04         | 0.020        | 0.06         | 0.02         | 0.009        | 0.009          | 0.15          | 0.07         | 0.15         |
| Data-Simulation corrections         |              |              |              |              |              |                |              |              |              |
| Common $(B^0_e, B^0_s)$              |              |              |              |              |              |                |              |              |              |
| Mass propagators parameters         | 0.012        | 0.027        | 0.024        | 0.03         | 0.009        | 0.008          | 0.04          | 0.05         | 0.09         |
| Masses and angles resolution        | 0.010        | 0.026        | 0.011        | 0.03         | 0.020        | 0.017          | 0.30          | 0.30         | 0.50         |
| Fit method                          | 0.003        | 0.021        | 0.005        | -            | 0.001        | 0.001          | 0.03          | 0.05         | 0.04         |
| $a_1(1260)$ pollution               | 0.018        | 0.040        | 0.019        | 0.17         | 0.060        | 0.050          | 0.60          | 0.06         | 0.05         |
| Symmetrisated $(\pi\pi)$ PDF        | 0.029        | 0.025        | 0.019        | 0.02         | 0.010        | 0.012          | -             | 0.04         | 0.30         |
|                     |              |              |              |              |              |                |              |              |              |