

Table 1: Direct experimental measurements of  $\phi_s^{c\bar{c}s}$ ,  $\Delta\Gamma_s$  and  $\Gamma_s$  using  $B_s^0 \rightarrow J/\psi\phi$ ,  $J/\psi K^+K^-$ ,  $J/\psi\pi^+\pi^-$  and  $D_s^+D_s^-$  decays. Only the solution with  $\Delta\Gamma_s > 0$  is shown, since the two-fold ambiguity has been resolved in Ref. [1]. The first error is due to statistics, the second one to systematics. The last line gives our average.

| Exp.         | Mode               | Dataset               | $\phi_s^{c\bar{c}s}$         | $\Delta\Gamma_s$ (ps <sup>-1</sup> ) | Ref. |
|--------------|--------------------|-----------------------|------------------------------|--------------------------------------|------|
| CDF          | $J/\psi\phi$       | 9.6 fb <sup>-1</sup>  | $[-0.60, +0.12]$ , 68% CL    | $+0.068 \pm 0.026 \pm 0.009$         | [2]  |
| D0           | $J/\psi\phi$       | 8.0 fb <sup>-1</sup>  | $-0.55^{+0.38}_{-0.36}$      | $+0.163^{+0.065}_{-0.064}$           | [3]  |
| ATLAS        | $J/\psi\phi$       | 4.9 fb <sup>-1</sup>  | $+0.12 \pm 0.25 \pm 0.05$    | $+0.053 \pm 0.021 \pm 0.010$         | [4]  |
| ATLAS        | $J/\psi\phi$       | 14.3 fb <sup>-1</sup> | $-0.123 \pm 0.089 \pm 0.041$ | $+0.096 \pm 0.013 \pm 0.007$         | [5]  |
| ATLAS        | above 2 combined   |                       | $-0.098 \pm 0.084 \pm 0.040$ | $+0.083 \pm 0.011 \pm 0.007$         | [5]  |
| CMS          | $J/\psi\phi$       | 19.7 fb <sup>-1</sup> | $-0.075 \pm 0.097 \pm 0.031$ | $+0.095 \pm 0.013 \pm 0.007$         | [6]  |
| LHCb         | $J/\psi K^+K^-$    | 3.0 fb <sup>-1</sup>  | $-0.058 \pm 0.049 \pm 0.006$ | $+0.0805 \pm 0.0091 \pm 0.0033$      | [7]  |
| LHCb         | $J/\psi\pi^+\pi^-$ | 3.0 fb <sup>-1</sup>  | $+0.070 \pm 0.068 \pm 0.008$ | —                                    | [8]  |
| LHCb         | above 2 combined   |                       | $-0.010 \pm 0.039$ (tot)     | —                                    | [7]  |
| LHCb         | $D_s^+D_s^-$       | 3.0 fb <sup>-1</sup>  | $+0.02 \pm 0.17 \pm 0.02$    | —                                    | [9]  |
| All combined |                    |                       | $-0.033 \pm 0.033$           | $+0.084 \pm 0.007$                   |      |

## References

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