Supplementary material for LHCb-PAPER-2019-017

In addition to the results presented in the main body of the paper, we provide a supplementary collection of files containing correlation matrices that are impractical to publish either in the main text or appendices. Files are provided in the JSON (JavaScript Object Notation) format, which is both machine and human readable, and contain parameter names, two-dimensional arrays corresponding to the correlations between parameters in the order given in the parameter list, and maps from strings describing entries in the correlation matrix and the associated value.

Three files obtained from the QMI approach, related to tables presented in Section 7, are given here. These are comprised of statistical and systematic correlation matrices of the parameters given in Tables 15 and 16 in file `qmi_ff_corr.json`, statistical uncertainties on the isobar coefficients in file `qmi_params_corr.json`, along with statistical and systematic correlation matrices for the parameters in Table 18 in file `qmi_SWaveParams_corr.json`.

For the K-matrix fit model results, statistical correlation matrices for the values given in Tables 10, 13, 14, and 17, along with for the isobar coefficients listed in Table 24, can be found in file `kMatrix_stat_matrices.json`. Additionally, a configuration file for the `Laura++` Dalitz-plot fitter can be found in `Fit3piKMatrix.cc`, which fully specifies the likelihood function.

For the Isobar approach, the configuration for the `Laura++` Dalitz-plot fitter which fully specifies the likelihood function can be found in the `Fit3piIsobar.cc` file.