Supplementary material for LHCb-PAPER-2015-024

Figure 3: Fit to the reconstructed $B_c^+$ mass distribution for $B_c^+ \rightarrow J/\psi\pi^+$ using (left) 2011 and (right) 2012 data samples. Black points with error bars represent the data, and the various components are indicated in the keys.

Figure 4: Fit to the reconstructed $B_c^+$ mass distribution for $B_c^+ \rightarrow \psi(2S)\pi^+$ using (left) 2011 and (right) 2012 data samples. Black points with error bars represent the data, and the various components are indicated in the keys.
Figure 5: Fit to the reconstructed $B_c^+$ mass distribution for (top) $B_c^+ \rightarrow J/\psi\pi^+$ and (bottom) $B_c^+ \rightarrow \psi(2S)\pi^+$ using 2011 and 2012 data samples, corresponding to an integrated luminosity of 3 fb$^{-1}$. Black points with error bars represent the data, and the various components are indicated in the keys.