

LHCb-PAPER-2016-058 supplementary material

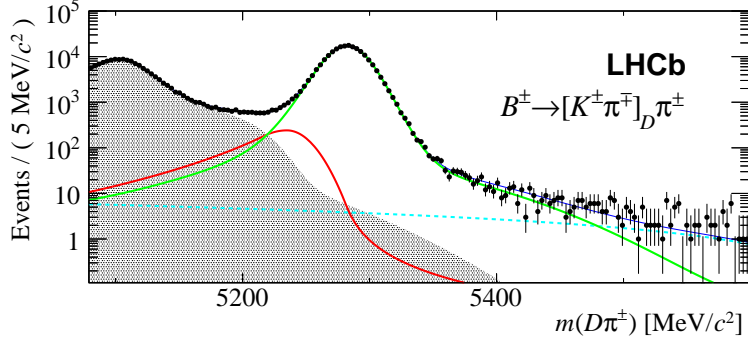


Figure 1: Results of the invariant mass fit to $B^\pm \rightarrow (D^0 \rightarrow K^\pm \pi^\mp) \pi^\pm$ normalisation candidates in data. The green solid curve illustrates $B^\pm \rightarrow D^0 \pi^\pm$ decays, the red solid curve illustrates misidentified $B^\pm \rightarrow D^0 K^\pm$ decays, the grey shaded region represents partially reconstructed background decays, the cyan dashed line represents the combinatorial background, and the total PDF is displayed as a blue solid line.

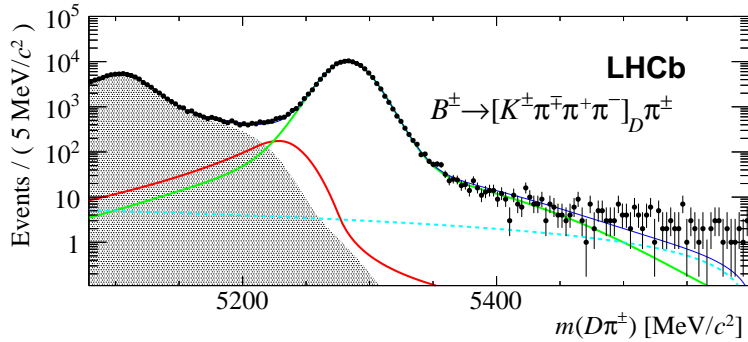


Figure 2: Results of the invariant mass fit to $B^\pm \rightarrow (D^0 \rightarrow K^\pm \pi^\mp \pi^\pm \pi^\mp) \pi^\pm$ normalisation candidates in data. The green solid curve illustrates $B^\pm \rightarrow D^0 \pi^\pm$ decays, the red solid curve illustrates misidentified $B^\pm \rightarrow D^0 K^\pm$ decays, the grey shaded region represents partially reconstructed background decays, the cyan dashed line represents the combinatorial background, and the total PDF is displayed as a blue solid line.