

# Supplementary material for LHCb-PAPER-2019-034

The fits to the invariant mass distributions of the normalisation decay mode for the 2011 and 2012 data sets are shown below.

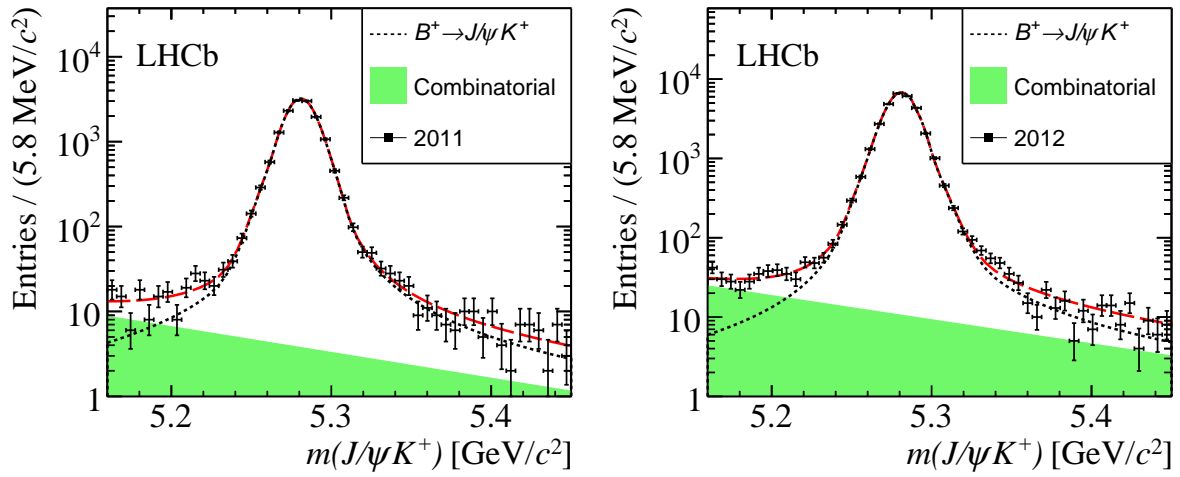


Figure 1: Distribution of  $m(J/\psi K^+)$  in the (left) 2011 and (right) 2012 data sets. Overlaid are the fit results.