

Supplementary material for LHCb-PAPER-2016-046

This appendix contains supplementary material that will be posted on the public cds record but will not appear in the paper.

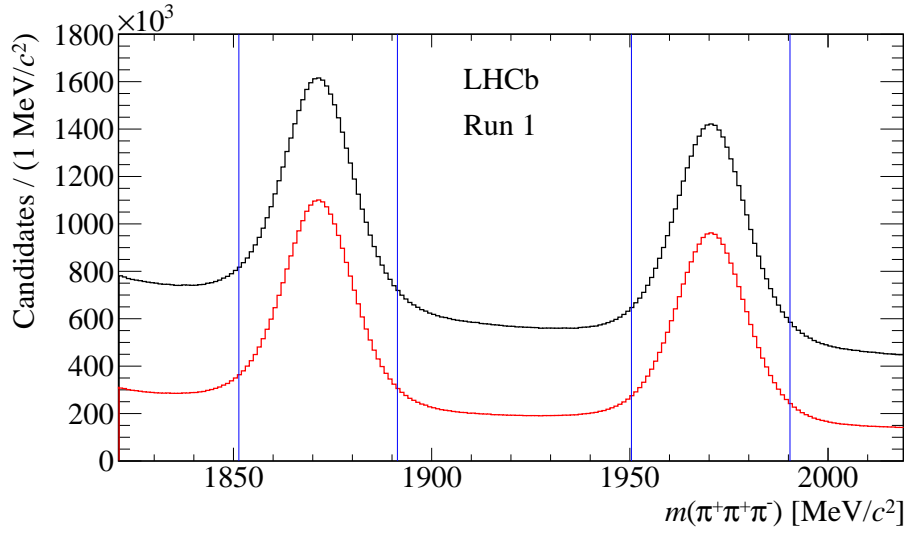


Figure 1: Mass spectrum for $\pi^+\pi^+\pi^-$ in Run 1 (black) before and (red) after application of the BDT. The vertical lines show the optimized mass windows.

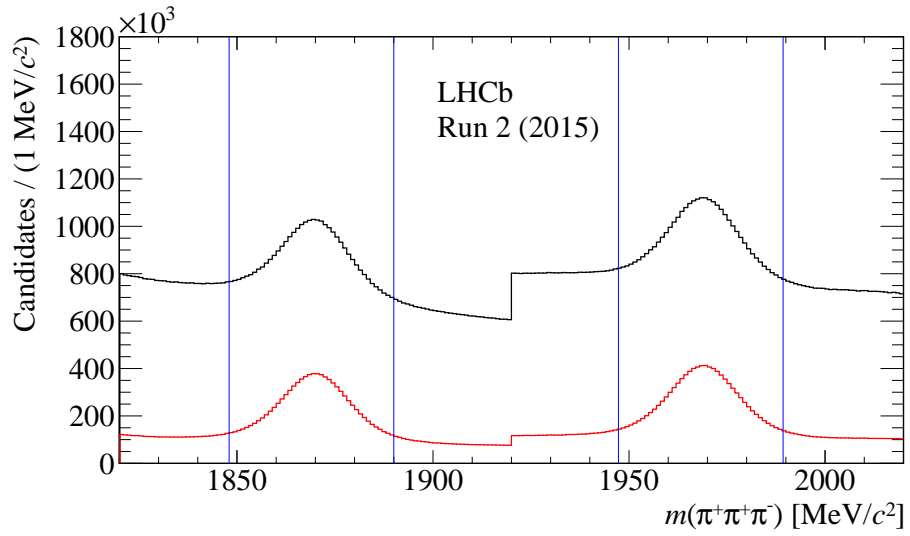


Figure 2: Mass spectrum for $\pi^+\pi^+\pi^-$ in Run 2 (black) before and (red) after application of the BDT. The vertical lines show the optimized mass windows.

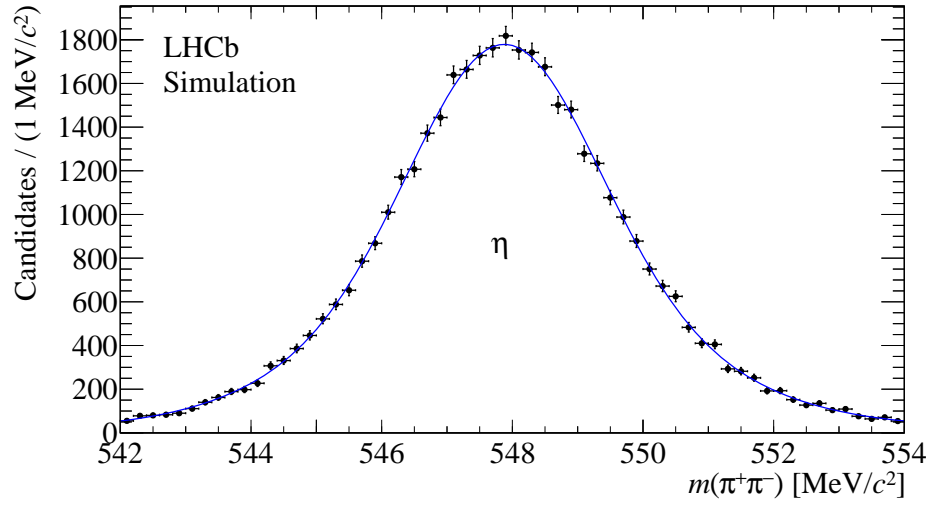


Figure 3: Mass spectrum for $\eta \rightarrow \pi^+\pi^-$ from simulation, with the result of a fit to a double Gaussian function.

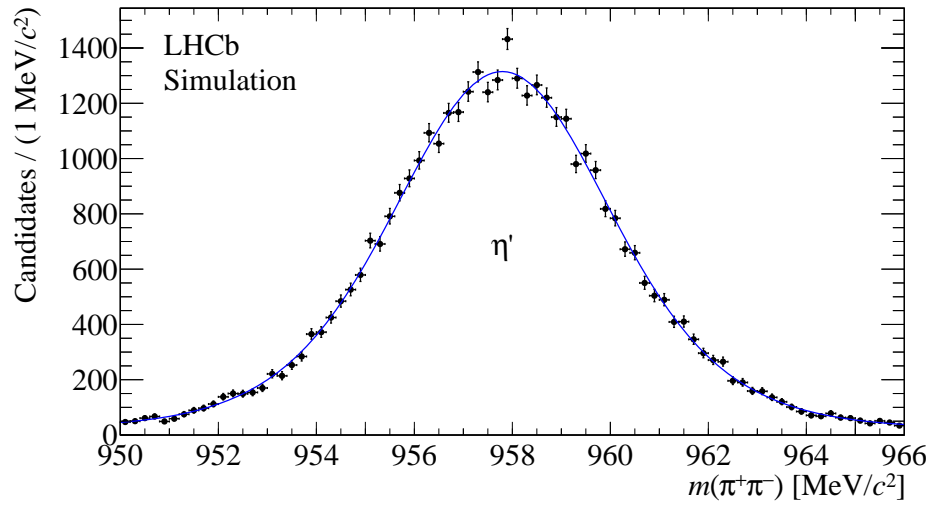


Figure 4: Mass spectrum for $\eta' \rightarrow \pi^+\pi^-$ from simulation, with the result of a fit to a double Gaussian function.