

1 **A Supplementary material for LHCb-PAPER-2015-**
 2 **030**

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

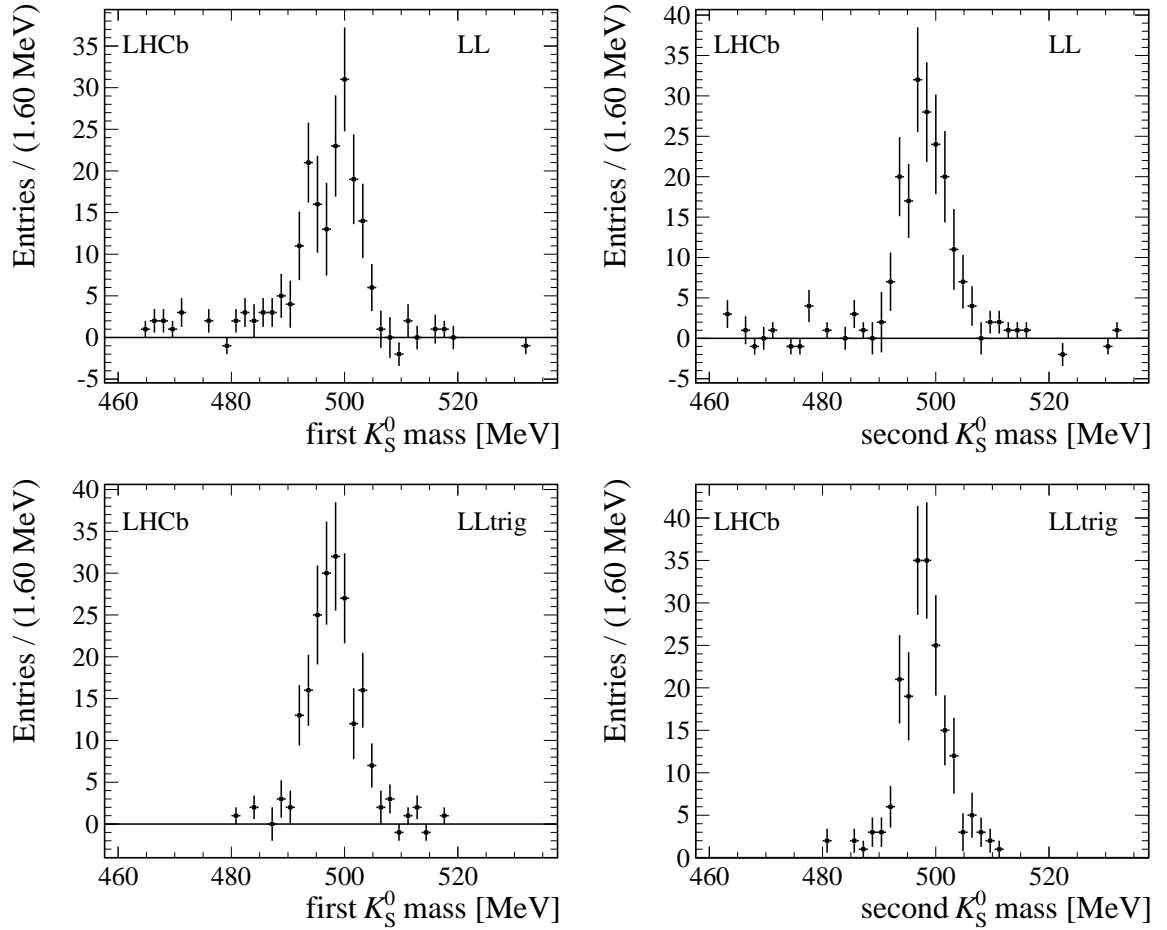


Figure 1: Invariant mass of the K_S^0 candidates in the signal, background subtracted, in (top) LL, and (bottom) LLtrig. The first K_S^0 candidate is the one with the larger p_T .

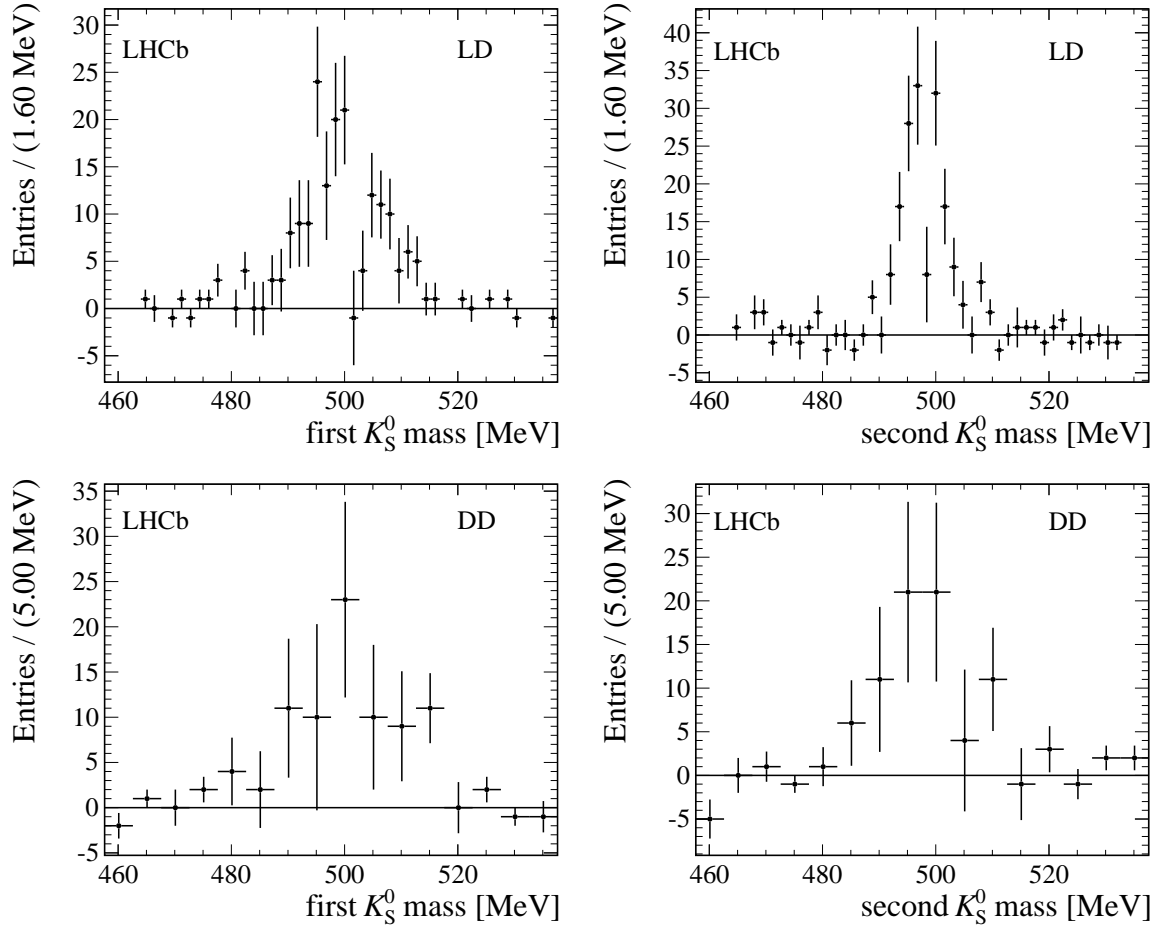


Figure 2: Invariant mass of the K_S^0 candidates in the signal, background subtracted, in (top) LD, and (bottom) DD. The first K_S^0 candidate is the one with the larger p_T , except for the case of LD, where the first K_S^0 candidate is the long one.