The figure displays a histogram of the natural logarithm of the minimum \( \Delta \chi^2 \) for two tracks, with entries on the y-axis and \( \ln(\text{Minimum } \Delta \chi^2 \text{ two tracks}) \) on the x-axis. The histogram represents data from the LHCb experiment with a total integrated luminosity of 5.4 fb\(^{-1}\). Two distinct distributions are plotted: a shaded area representing the simulated signal and a line graph indicating the sideband data. The data points are marked with error bars.