The diagram illustrates the $m_{J/\psi K^+}$ distribution with a peak at around 5400 MeV/$c^2$. The data points are shown as black circles, and the total fit is represented by a blue line. The combinatorial background is indicated by a green dashed line. The processes $B^+ \rightarrow J/\psi (\rightarrow e^+ e^-) K^+$ and $B \rightarrow J/\psi (\rightarrow e^+ e^-) K^+ \pi$ are also shown with magenta and red dashed lines, respectively.