1 Supplementary material

![Graph showing mass measurements of the \( \Xi^0_b \) baryon.]

**Figure 5:** Summary of mass measurements of the \( \Xi^0_b \) baryon.

![Graph showing mass measurements of the \( \Xi^+_c \) baryon.]

**Figure 6:** Summary of mass measurements of the \( \Xi^+_c \) baryon. The PDG result is the average of several results, but is dominated by the indicated Belle measurement.
Figure 7: Lifetime measurements of the $\Xi_b^-$ baryon and the $\Xi_b^0$ lifetime as determined in this analysis.