

The purity of our Ξ and $\bar{\Xi}$ collections are calculated just as those of our V0 collections ???. Figure 2, which is used to calculate the purity, shows the m_{inv} distribution of our $\Xi(\bar{\Xi})$ candidates just before the final m_{inv} cut. Currently, we have $\text{Purity}(\Xi^-) \approx 81\%$ and $\text{Purity}(\bar{\Xi}^+) \approx 86\%$.

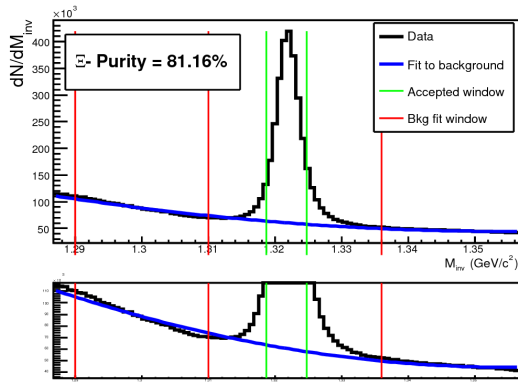
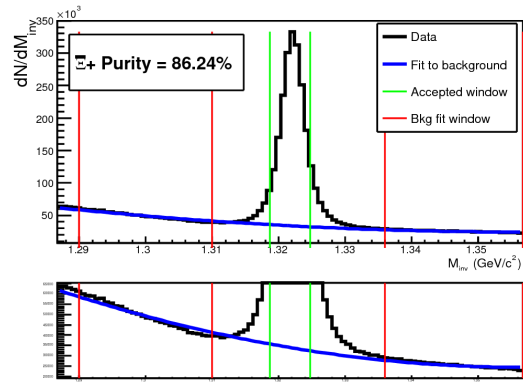
(a) Ξ^- Purity(b) Ξ^+ Purity

Fig. 2: $\Xi^- (\Xi^+)$ Purity: Currently, we have $\text{Purity}(\Xi^-) \approx 81\%$ and $\text{Purity}(\Xi^+) \approx 86\%$.