2025.06.03

Current working:

1. Uncertainty of $Λ$ mass window is estimated by enlarging or narrowing mass window by 1 MeV/c2, the maximum difference between obtained center value is taken to be its uncertainty. After discussing with Professor Ping, this time we release the mass and width of X(2085), found that the fitting was successful.

2. Through the output file, we can see the mass and width of X(2085). We found that the differences in mass and width were 41 MeV and 34 MeV respectively.

3. Through Professor Ping‘s discussion, we use the event by event method for fitting, found that the fitting was not successful.

4. Based on Professor Ping's suggestions, we have sorted out the preliminary results of the systematic uncertainty by Boxfill method. Currently, there is still one under work.

5. Add the system uncertainty section about X(2085) in the memo.

Next planning:

1. Continue to fit to obtain systematic uncertainty.

2. Improve the system uncertainty section about X(2085) in the memo.