2025.05.27

Current working:

1. Uncertainty due to background is estimated by removing it from PWA. 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 47 MeV and 27 MeV respectively. Currently, it seems that the differences are relatively large.

3. Through Professor Ping's discussion, we consider the problem of using the Boxfill method. Therefore, we use the event by event method for fitting.

Next planning:

1. Continue to fit to obtain systematic uncertainty.

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