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Current working:

1. Use float parameters as mass and width to renew the pwa result. The newest result includes 5 resonances. Lam1520 on pK, Lambar1670 on Λη, K0sm1430 on Kη are 3 of them. As for Np1535 on pη, although its significance is less than 5σ. For better goodness of fit, we decide to keep it in the result. The 5th state is Lam1670 or Lam1690 on pK. The fitting results and significance of the two state are relatively close. It is very difficult to distinguish them from the mass spectrum. But only one of them can be added to the result, otherwise the significance of the 6th state will be very small. Finally we decide to give 2 resolutions as the final result, which contains one of the two states respectively.

2. Prepare for the quarterly assessment of postgraduate students at the IHEP.

Next planning:

1. Check and test whether tf-pwa package can be used to do 4-body pwa. (Need more theoretical knowledge.)

2. Study more knowledge about pwa.

3. Use the newest pwa results to generate toy MC. Then use it to calculate the signal yield and efficiency.