

Kin reported his progress on getting polarization using time-of-flight (ToF) binning rather than energy binning in the AGS. This was suggested by Thomas. The goal is to use only ToF so no dead layer correction is needed and it eliminates the associated systematic errors. The background will lead to some dilution of the analyzing power, but stability for a relative pC polarimeter should be maintained. Another reason to use ToF is that the intensity dependence can be introduced by trying to measure the carbon energy. Kin got  $A_N$  as function of ToF bin from Larry. He reanalyzed the target scan data at the end of last run with cold snake on only. The new analysis get larger asymmetry over the whole target scan with a constant factor 1.11. It did not show intensity effect (beam edge vs. beam center) at all. Thomas pointed out that it is not a truly ToF binning, since there is still banana cut prior to the ToF binning. He also suggested to analyze a few other runs with various intensity on the last day. The meeting went on to discuss the possible error sources of ToF: 1. At the time of the measurement, wall current monitor signal (instead of bunch zero) was used to get bunch crossing (this was done so we can do ramp measurement). There is an uncertainty of the cable length, which may introduce some time error. 2. The bunch length was around 20ns. 3. There is also energy loss in the target which is curled although it is a few hundreds angstrom thick.

Nick reported the progress on the orbit matching. It is work in progress and he is hoping to get more to report next week. Mei is working on dynamic spin tracking but she said the MAD lattice she got from Alfredo was not stable at high energy. She suspected that the split of combined function dipole is the source of the problem. Thomas commented on the possible AGS pp run. The final budget picture is expected to be clear in early December. If there is a RHIC run this fiscal year, AGS run could start soon. If not, an AGS run could be around spring time if budget allows. The length could be two weeks and it needs a well prepared plan.

Haixin