

Haixin presented the job list of the AGS polarized proton run.

First is to address the emittance at AGS injection. We have taken BtA multi-wire data in last a few days and the data were logged. Nick will apply his AtR program to calculate the emittance, beta functions at the multi-wire locations. The results will still be model dependent, as the dispersions have to come from optical model. The AGS A15 multi-wire data should also be analyzed for BtA matching. We have taken emittance data with high and low injection energies for injection-on-the-fly. Nick will work with Alexei on the space charge simulation. Alfredo also has a code ready to do the simulation but it would require someones time to run the codes.

Haixin will finish the ramp polarization measurements as soon as possible to see if anything can be learned from them. We have many polarization horizontal profile data which should also be analyzed. We get strange vertical beam profiles in the fast scan mode. Leif reminded us to study the driving mechanism in the shutdown. Waldo asked if we have intensity dependence from the polarimeter. Haixin recalled that there may be a problem for rate higher than 500K/sec, which was definitely exceeded with intensity above 1.5×10^{11} . Thomas requested to revisit the analysis done in the past by comparing events from the edge and central Si strips. Thomas also suggested to use ToF only, which will be in favor of Micro-Channel-Plate(MCP). Dejan reminded us that there is some new kind of MCP on the market, which is particle detectors with new converters. Mei pointed out that there may be a stability issue with polarization (or polarimeter) from her observation in the last shift. Nevertheless, it probably also hinted that there maybe some hidden knobs for polarization tuning. Anatoli reported that the polarization from source is not as high as in run7 but should be similar as in run6, while the AGS injection measurements were slightly lower than run6 level.

Haixin