

Today's meeting focused on AGS proton setup. Haixin presented the field scan around the nominal field done by Fanglei. The data showed that the high polarization plateau was very narrow compared to the field scan done in the past. Thomas pointed out that this may be due to the vertical tune moving down at the end of energy ramp. In addition, since we shifted radius inward to raise horizontal tune, the time of crossing 36+ will be later than last year's setting. Woody and Peggy will check the GCC/energy calibration later when beam comes back. We will also raise vertical tune at flat top and recheck polarization. The horizontal tune along the flattop will be adjusted as flat as possible. Currently, the radius is shifted back to beam pipe center after reaching flattop to measure polarization. Yousef commented that the effect from the relative small shift (1cm out of 32 cm) should not affect much of the asymmetry if there is no shift along beam direction. We will also check the polarization with the radial jump back removed. For this, the B-field will be ramped (F-bank only) to maintain energy constant. Other issues such as quadrupole settings along the ramp, horizontal tune around 400ms were also discussed.

Haixin