

The meeting started with discussion on abstract for PAC07. Besides the abstracts to cover AGS and RHIC pp operation for run7, Thomas asked people to think about the beam experiments are going to be done. An abstract list is generated.

Fanglei presented the progress on realistic spin tracking. After raising the vertical tune to 8.99 before $36-\nu$, the polarization at the end of ramp is higher by 4%. Leif asked if we have data to support the result. We had tune scan data last run, but probably not as high as 8.99. In summary, there are three potential polarization loss in current spin tracking. First one is near injection which is dependent on the tunes and ramp rate there. The second one is at $36-\nu$, which requires to push vertical tune to as high as 8.99. The third one is at $36+\nu$, which shows about 6% polarization loss even with tune higher than 8.99. Thomas suggested to scan the vertical tune around $36+\nu$. To study the polarization loss near injection, she did tracking with one particle near injection. There is large spin oscillation near $G\gamma = 4.9$, where the crossing speed also has a glitch. Woody suggested to do spin tracking without the speed glitch. He also suggested to modify P-bank power supply function, if it turned out that the glitch is due to P-bank turning on.

Waldo suggested to split the vertical orbit correctors into four knobs (sine/cosine/cold-snake/warm-snake), which can provide sort of local corrections. At the end of the meeting, we discussed again lowering the injection energy of RHIC. After the meeting, Waldo showed me the results that the spin transfer efficiency is much lower at $G\gamma = 44.5$: 75%. So we can't use this solution.

Haixin