Spin meeting minute, 3/1/2006

Alfredo first presented the comparison of MAD matrix with spink one turn matrix for the AGS two snake case at $\gamma = 10$. There is quite some difference in the tune calculated and also the elements of the matrix by the two methods. Waldo suggested to use double precision in the calculation, to compare the two methods. Tracking with one particle between $G\gamma = 20.5$ to 45.5. Some polarization loss is visible at 36-, which is the first strong resonance in the tracking range.

Fanglei showed the analysis on polarization profile scan data at Gγ=12.5 and 45.5. This time, she also fitted the profiles with resonance strength proportional to square root of energy in the formula. Thomas suggested to compare the beam emittance get from target scan with IPM measurements. Then revisit the resonance strength fit.

Haixin