

Spintronics Researcher update: 11/09-11/30  
Recent developments and current plans

Xi Chen: Reading papers for talk preparation

Gi Bum Kim: Transport measurement of Ga(Mn)Sb gated structures  
Temperature study: gate works at low temp. but not at High temp. Same samples show AHE

M. Cheon made a circular conducting path around a sample on chip  
To create a small field upon a sample.

Manhong Na: looking at: 1221A, 1221C, 1222C, 1222B w/ transport setup; all samples show initial pos. MR at low temp.; also: digital GaAs:Mn MR vs. temp.; bump indicates  $T_c$ ; blowup/derivative of plots requested; presentation of Kevin's squid data on Ga(Mn)Sb (magnetization does not change much.  
SDH observed for 10629B=> get carrier 2D carrier density. Samples might be mislabeled!!!

Madalina Furis: not present

Kevin Mooney:

Soon-Seok Kim: not present

Kilyong Ha: not present

Gelu Comanescu: doing CR on SDH samples of Manhong.

Chris Meining: Presents NHMFL data on high temp. grown random Mn doped GaAs epilayers. PL shows number of peculiarities. APS abstract will be prepared.