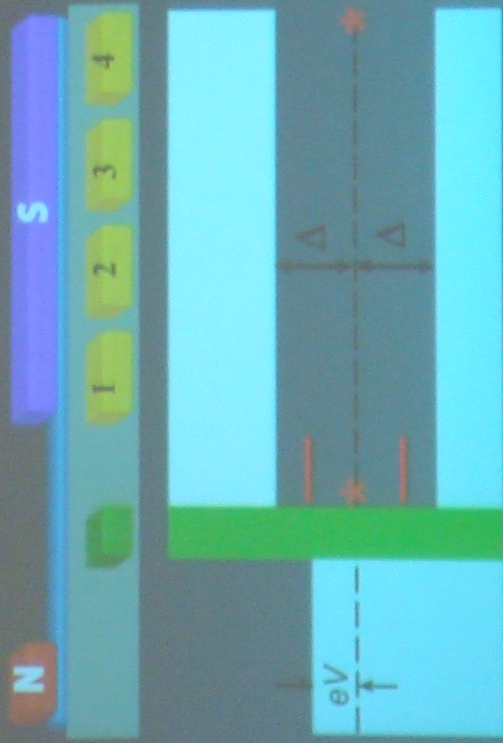
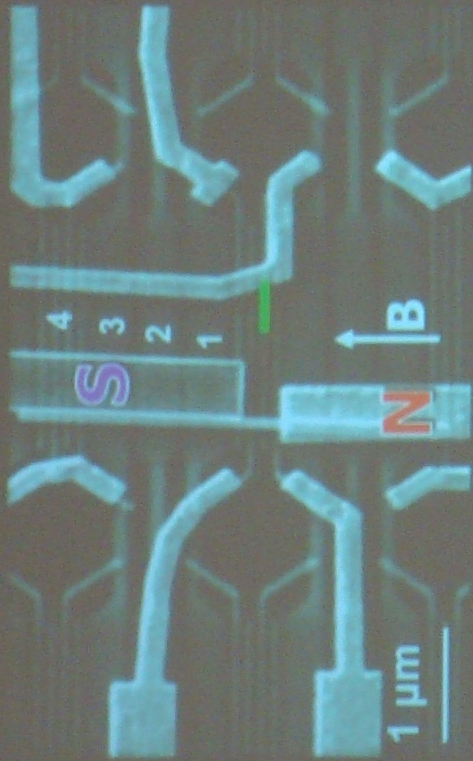


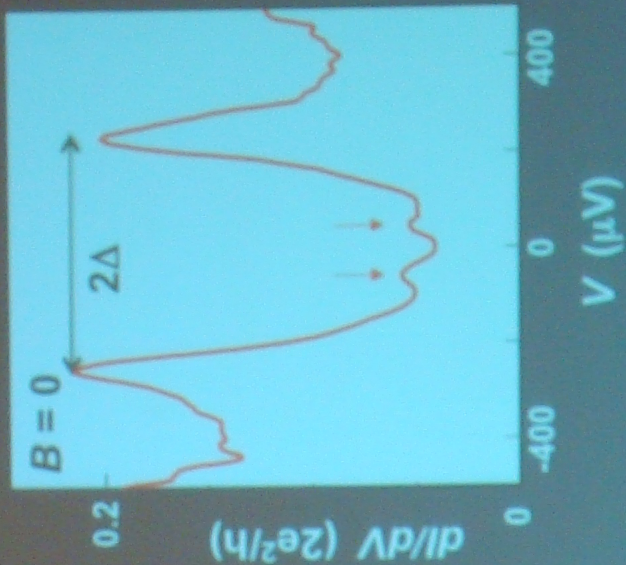
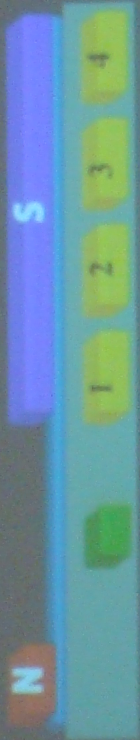
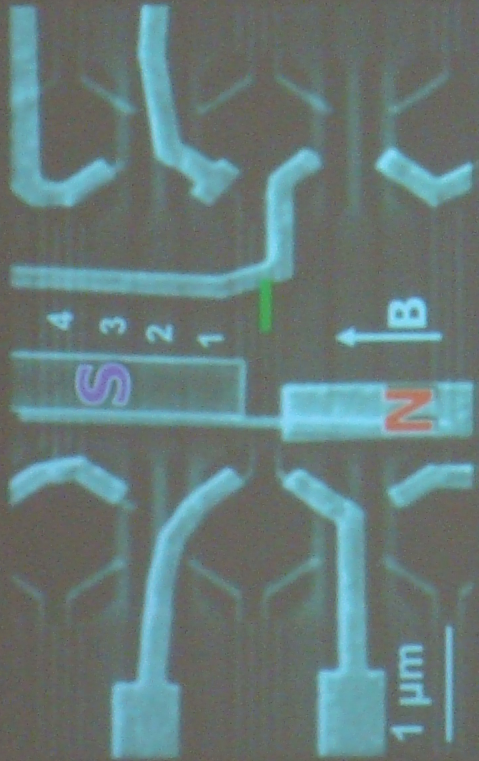
N-NW-S Devices

(Au-InSb-NbTiN)

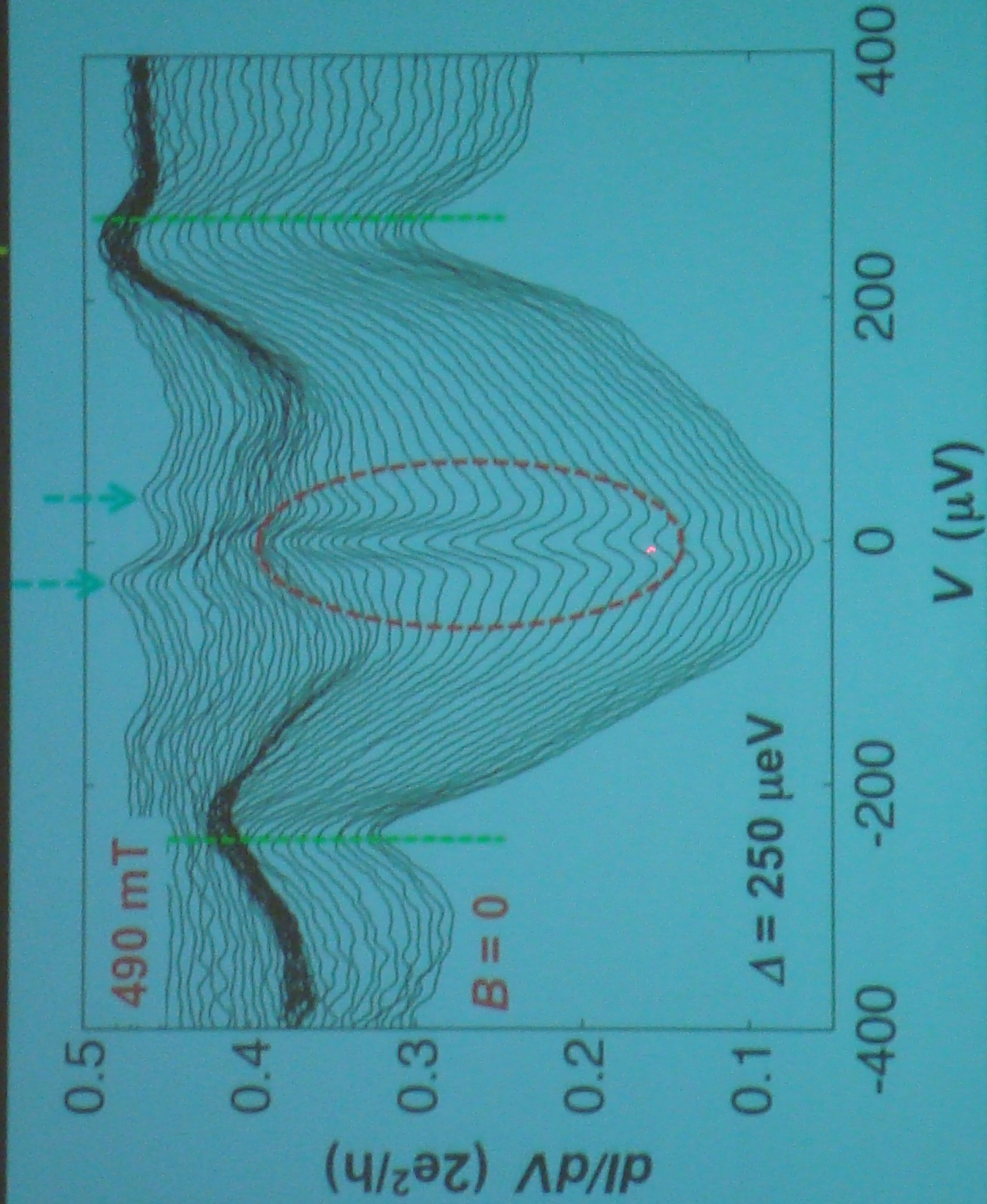


N-NW-S Devices

(Au-InSb-NbTiN)



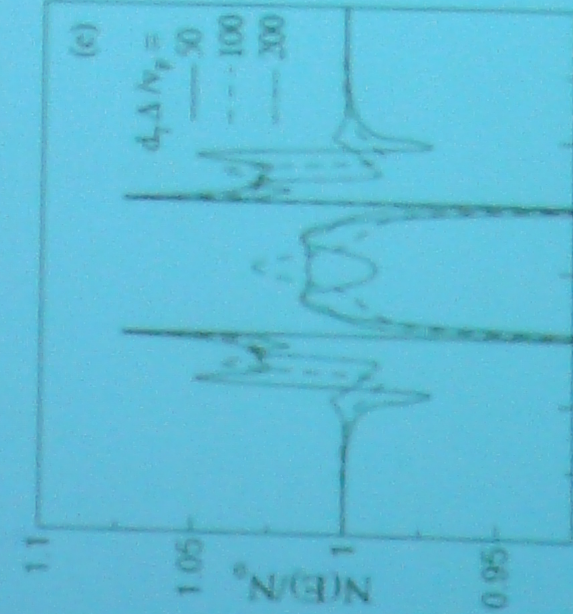
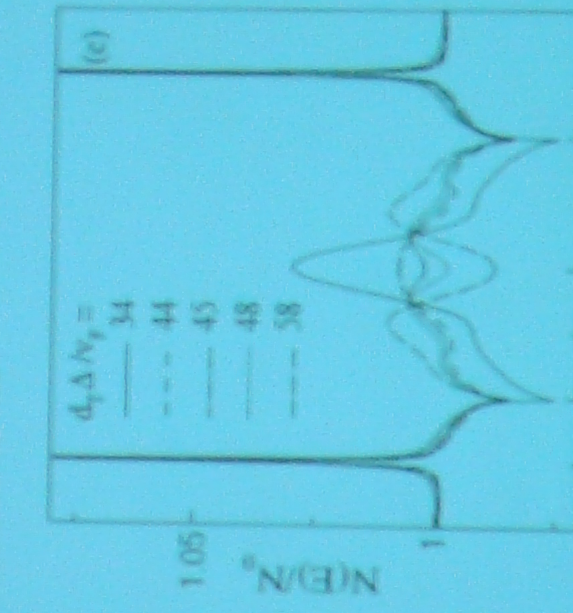
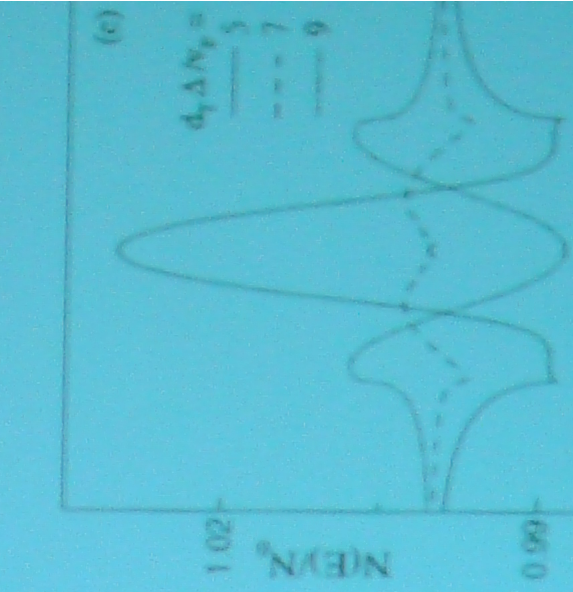
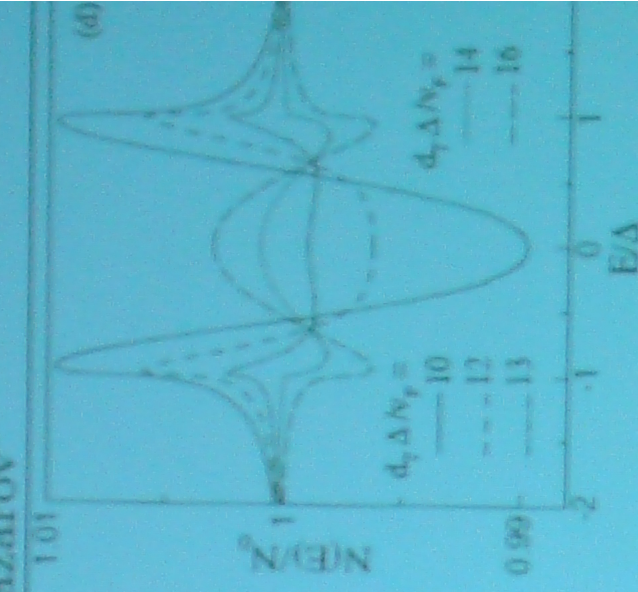
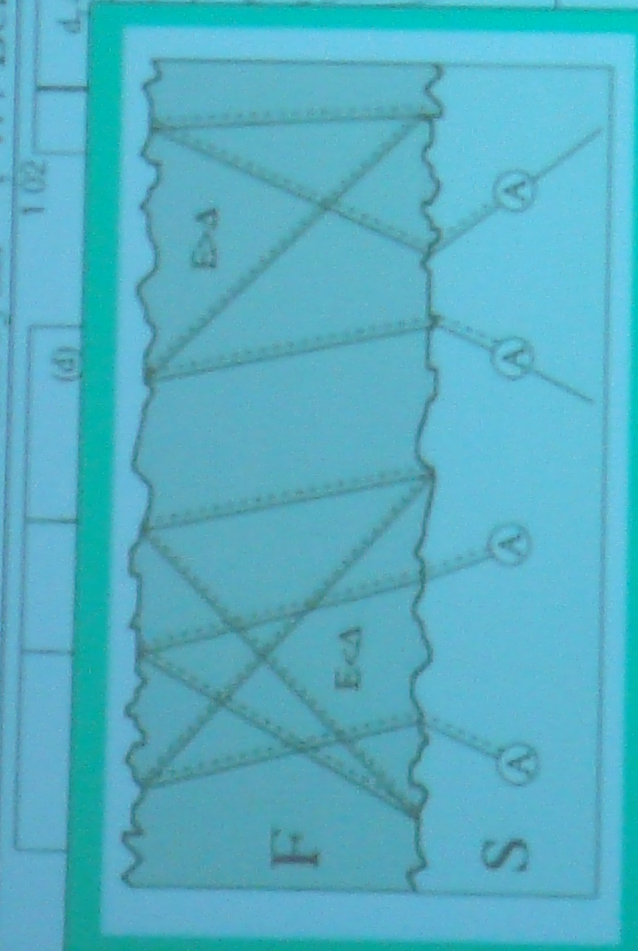
Observation of zero bias peak



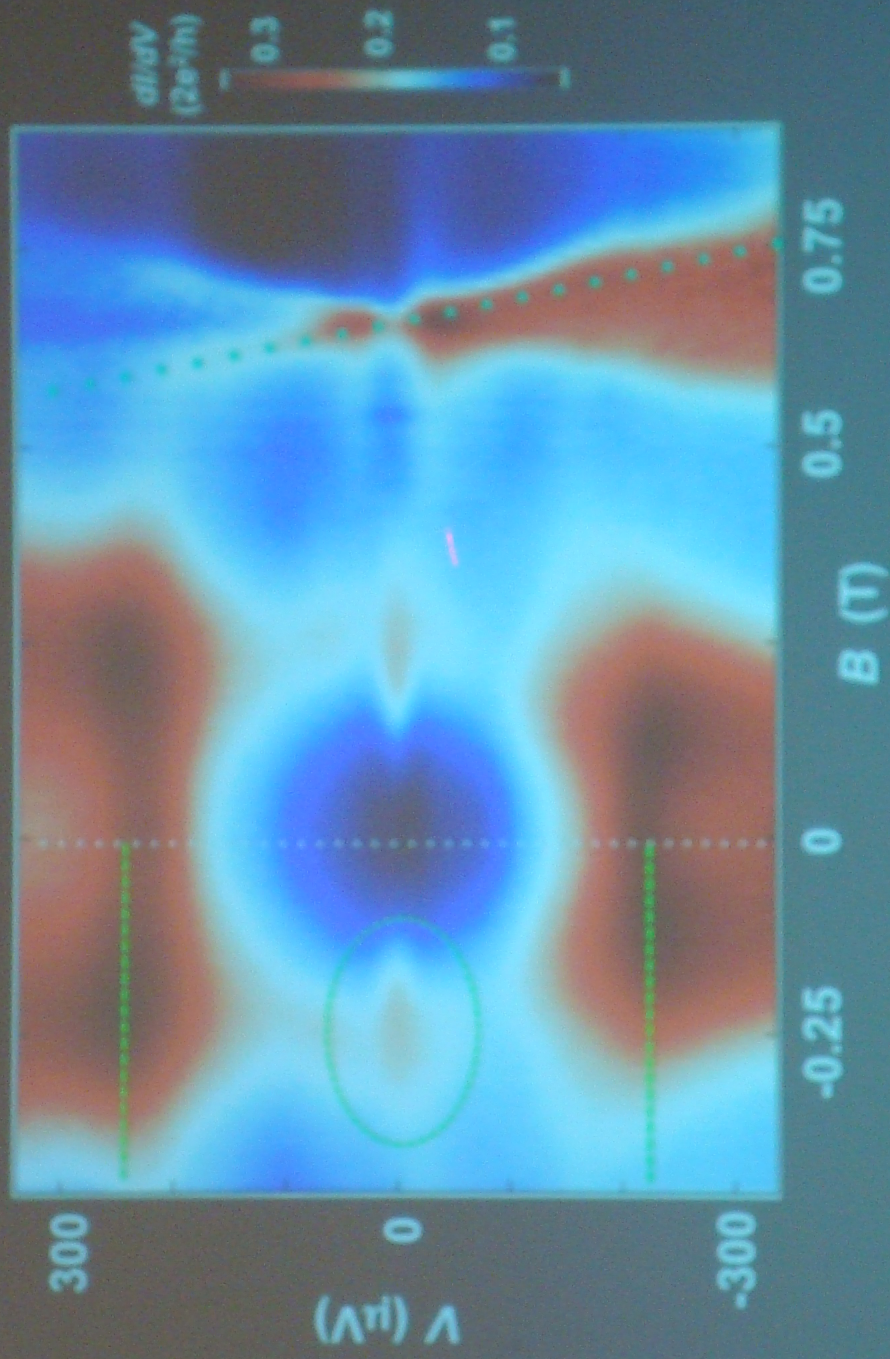
Superconducting proximity effect in clean ferromagnetic layers

M. Zareyan^{1,2}, W. Belzig³, and Yu. V. Nazarov²

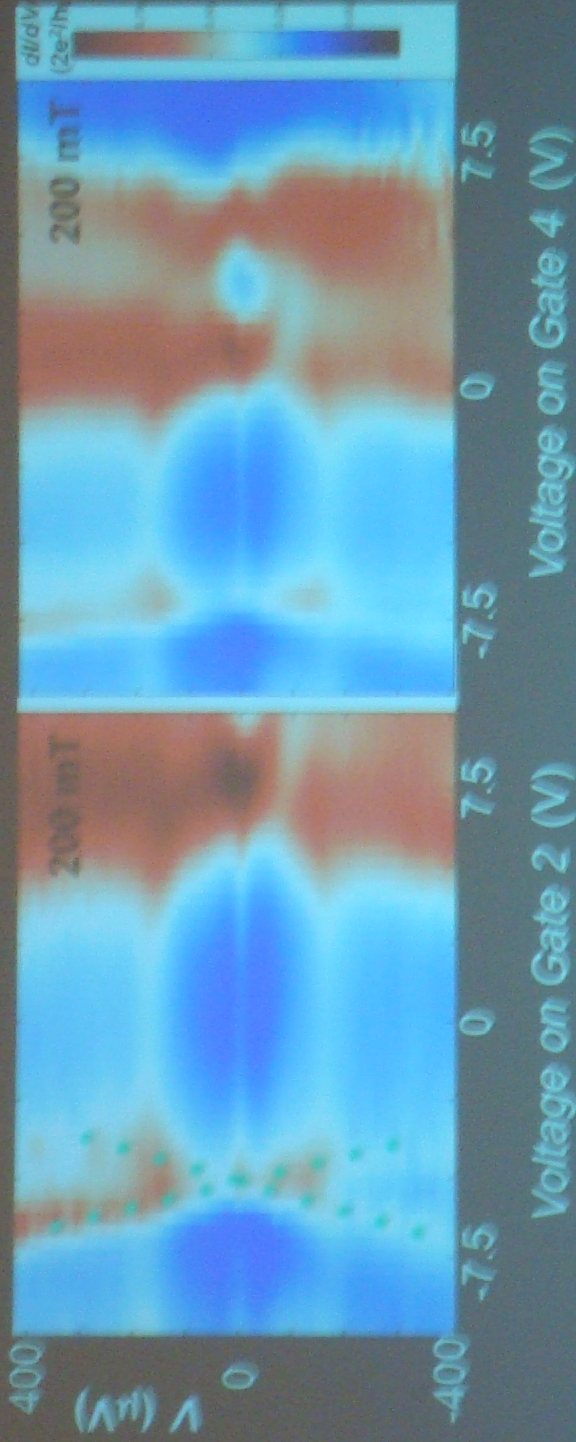
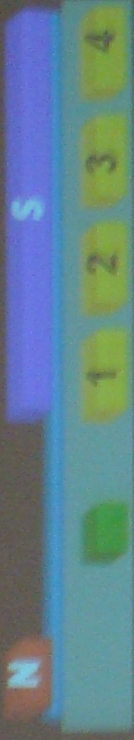
PRB, 2008



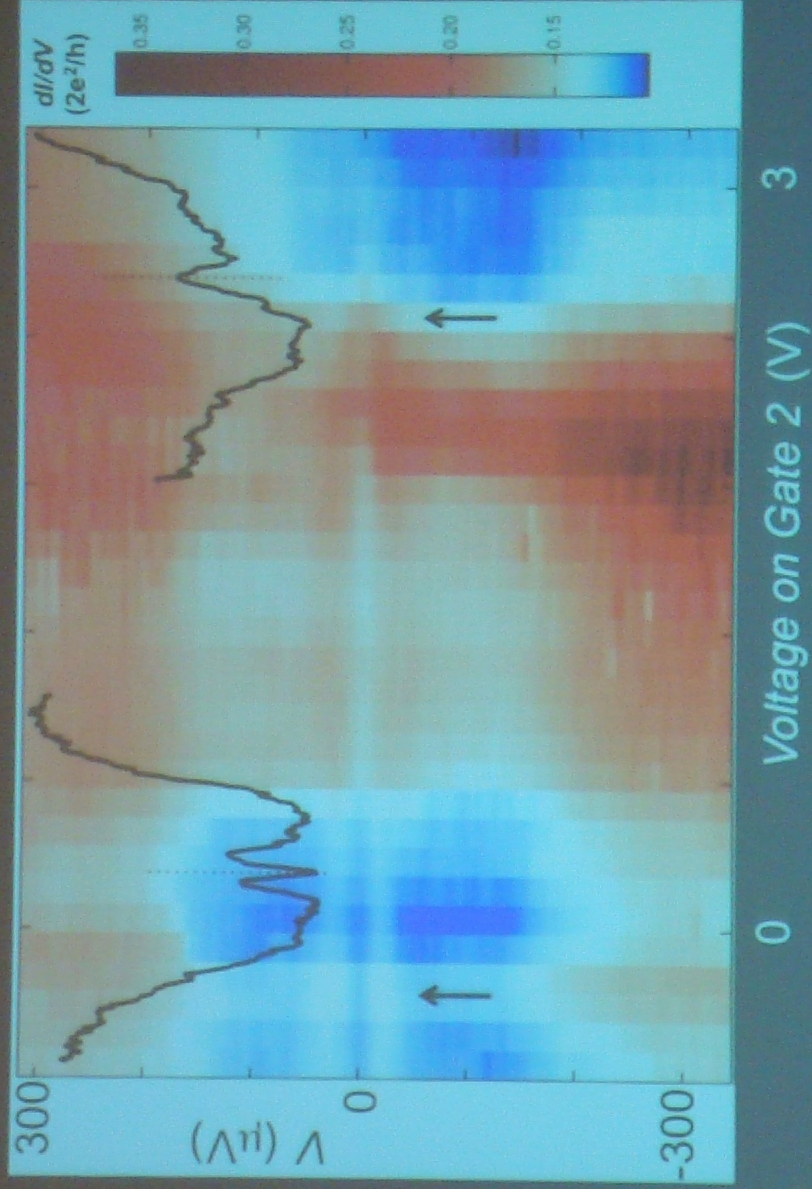
Observation of zero bias peak that remains stuck to zero



Gate dependence



2nd Device
Gate dependence



Did we observe Majorana fermions?

γ_1

γ_2

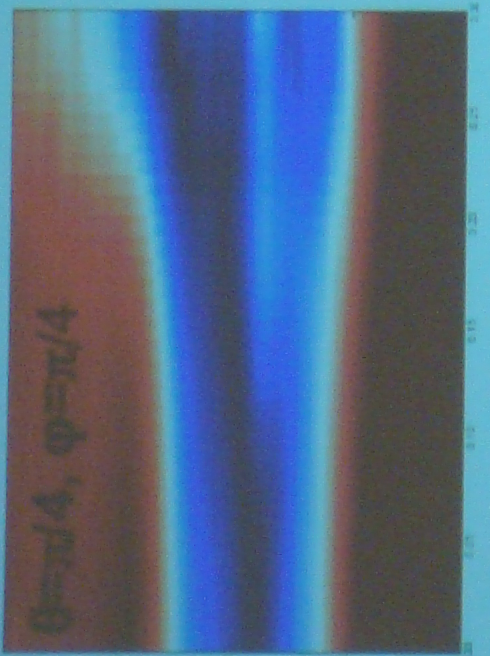
Observation: zero bias peaks that stick to zero over significant changes in B and V_g .
(numbers are in the right ballpark)

Two more sanity checks:

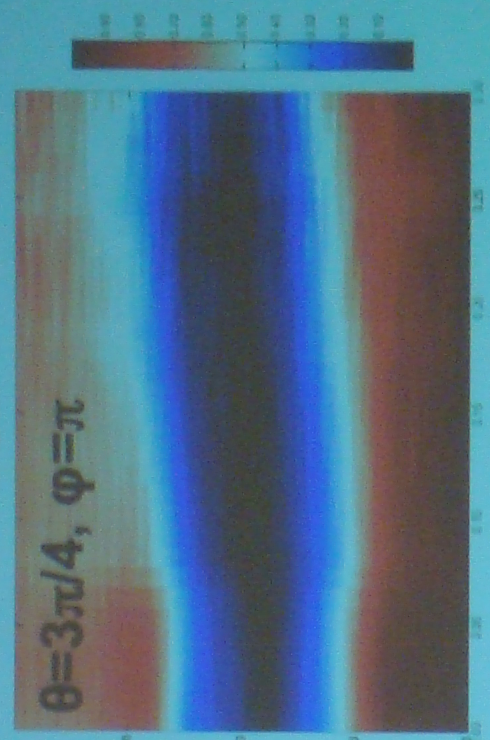
- N-NW-N and check that zero bias peak comes from s.c.
- angle dependence and check that zero bias peak comes from spin-orbit interaction.

V from -0.5 to 0.5 mV

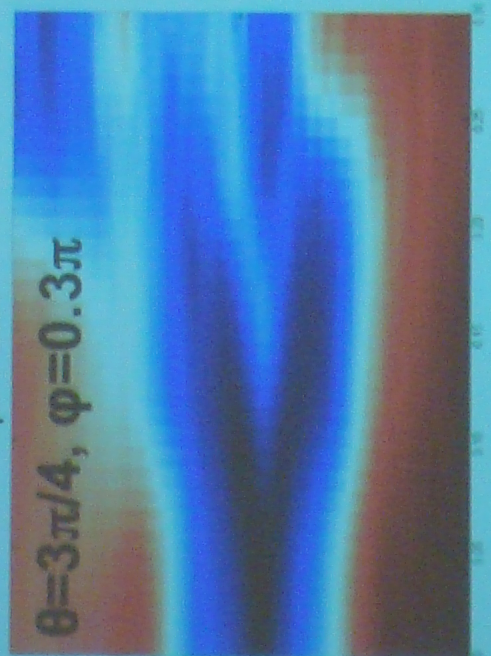
weak ZBP



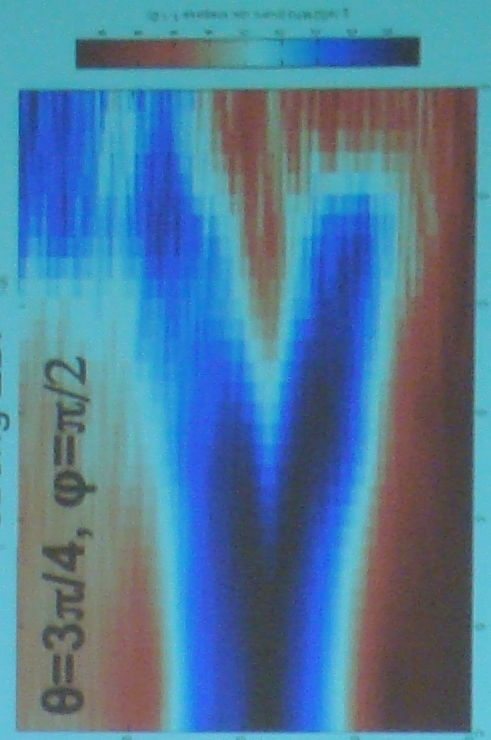
no ZBP



split ZBP



strong ZBP



B from 0 to 0.3 T