

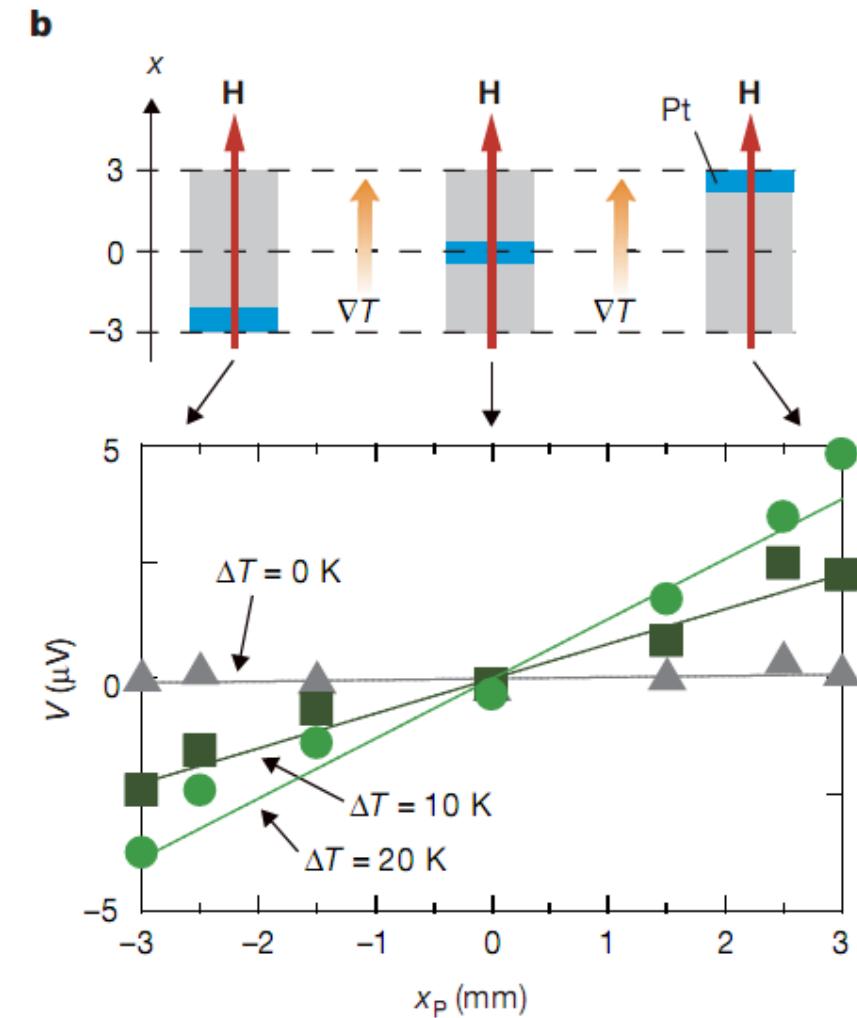
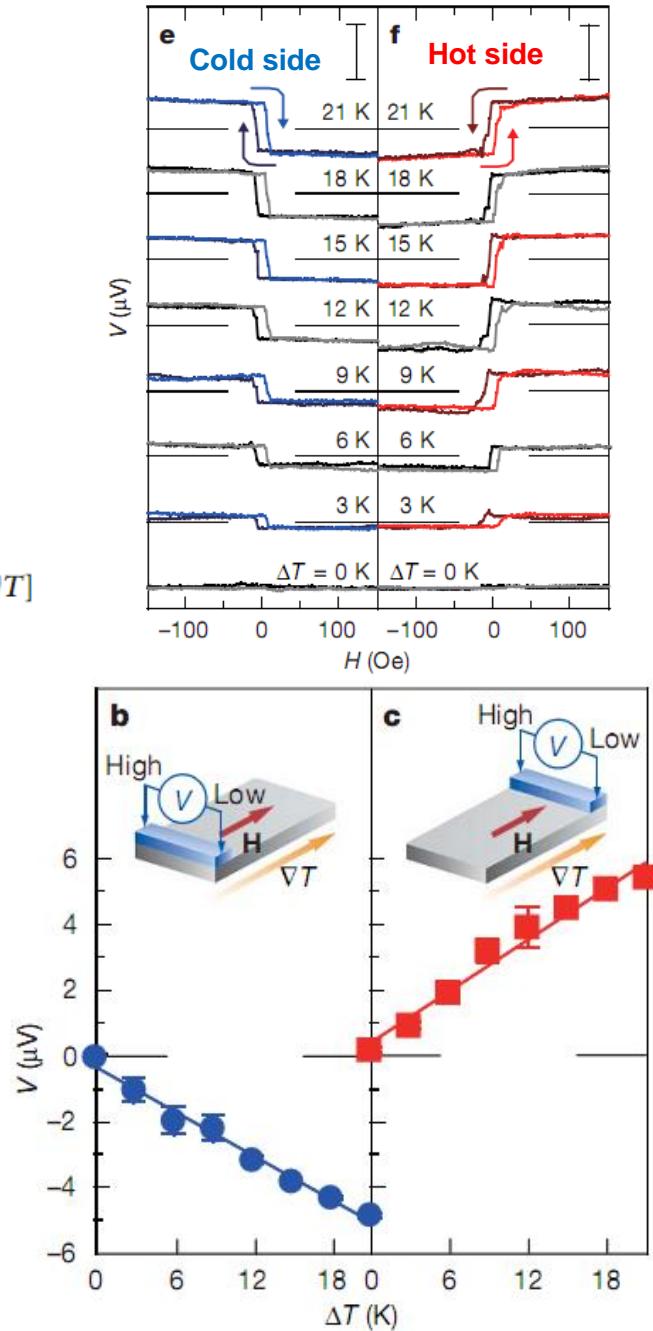
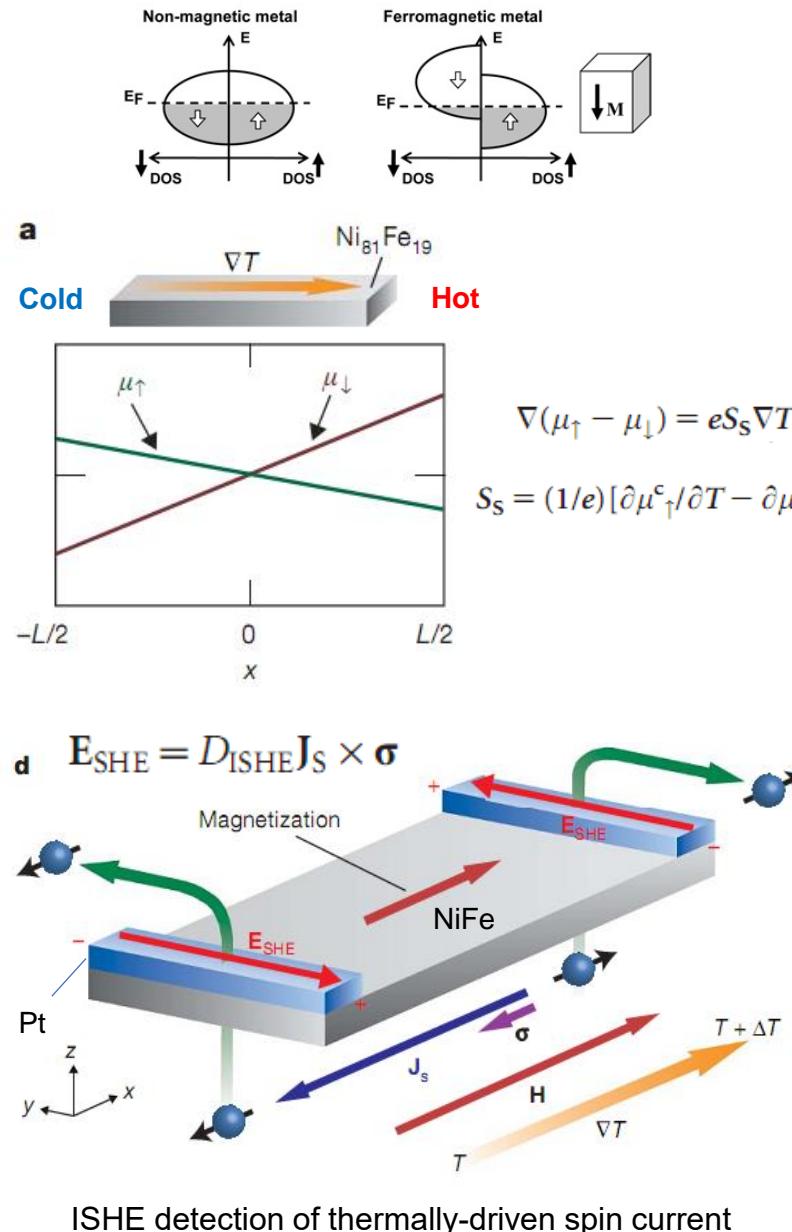
# Thermal Spin Transport: Spin Seebeck Effect in Ferromagnetic Semiconductor

Jing Li

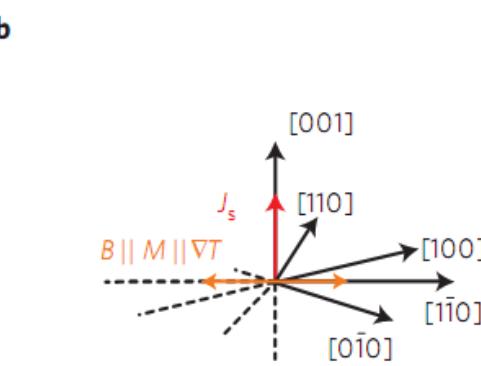
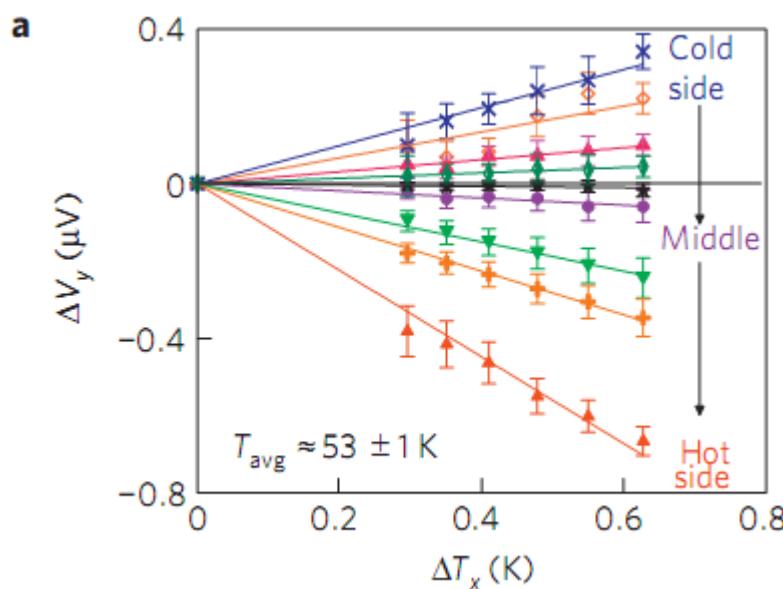
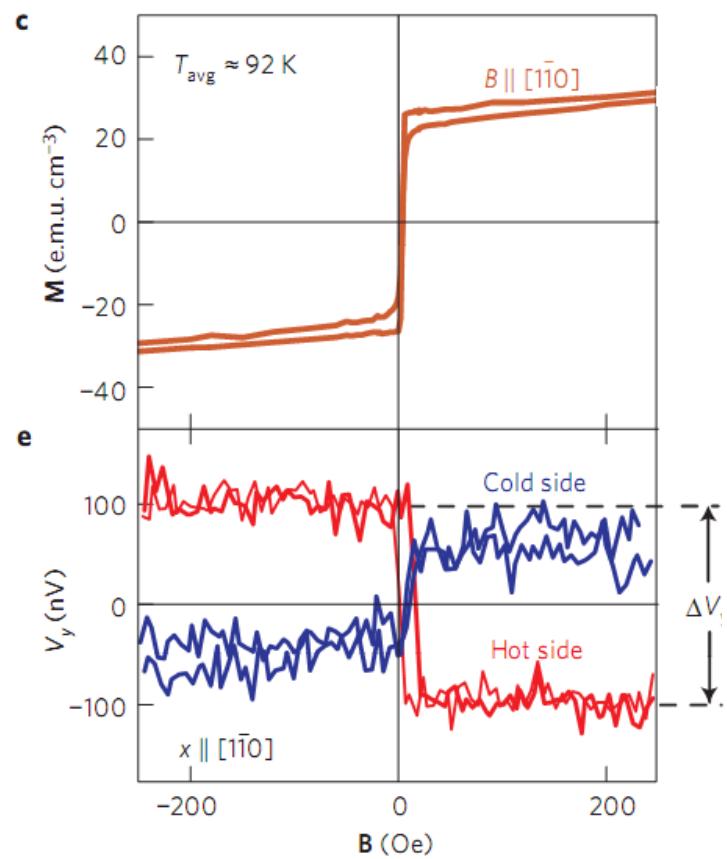
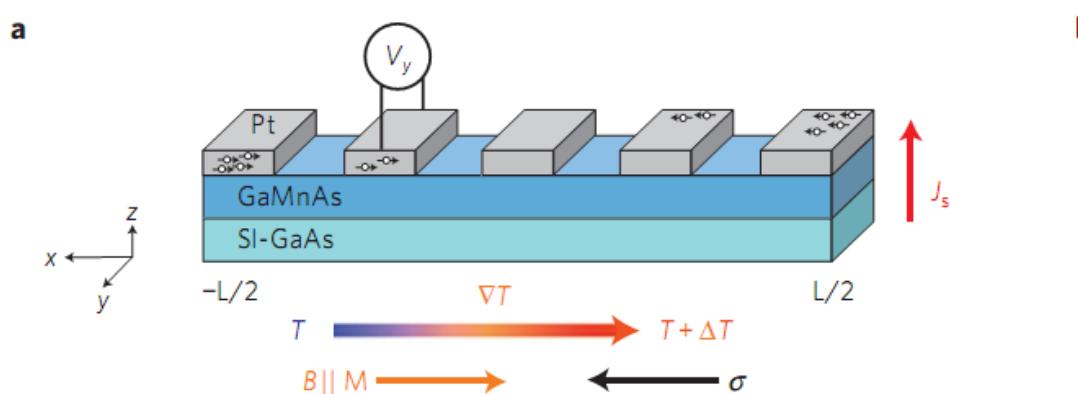
Ferro Thin Film Lab

04/03/2020

# Review of previous talk

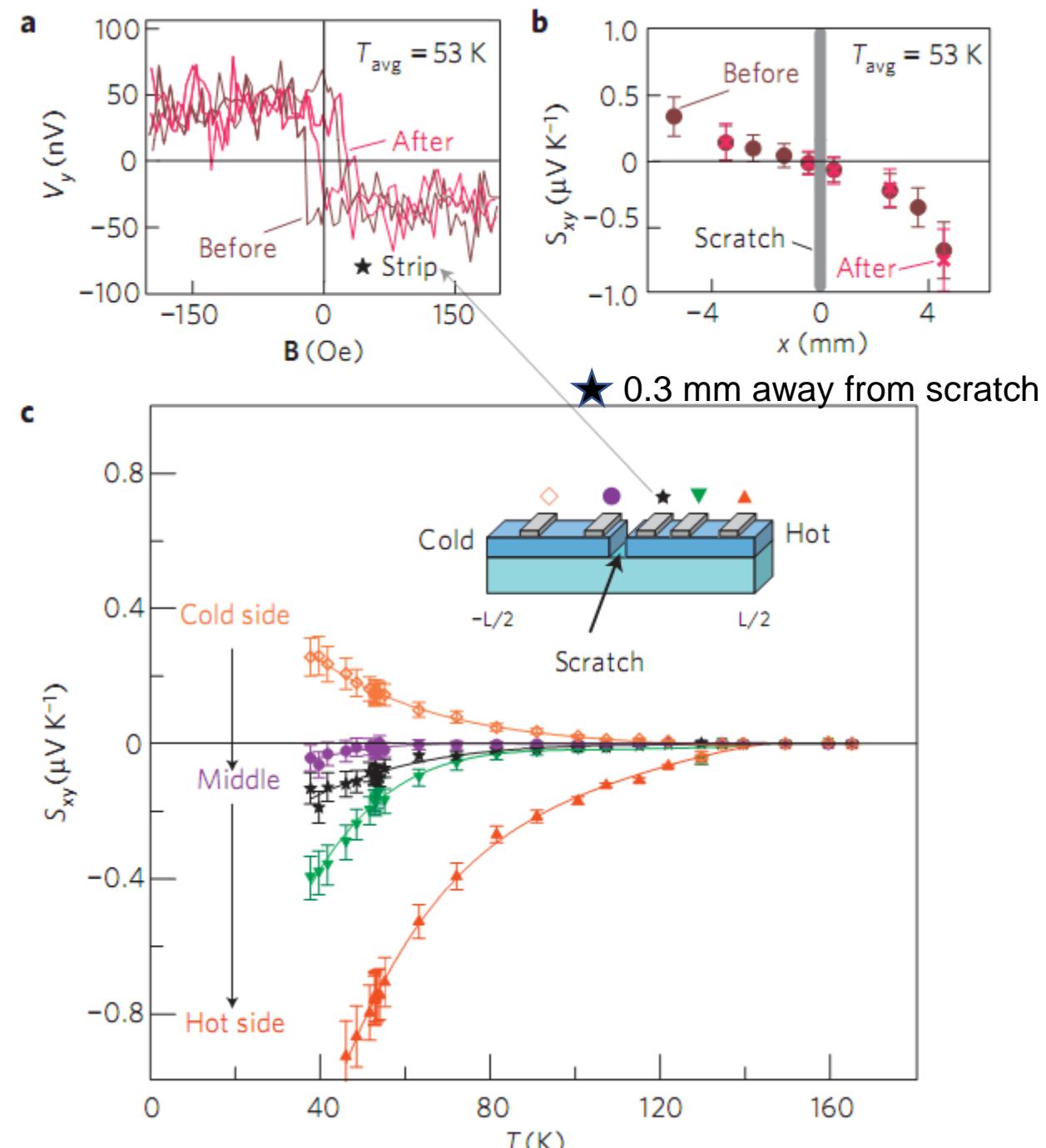
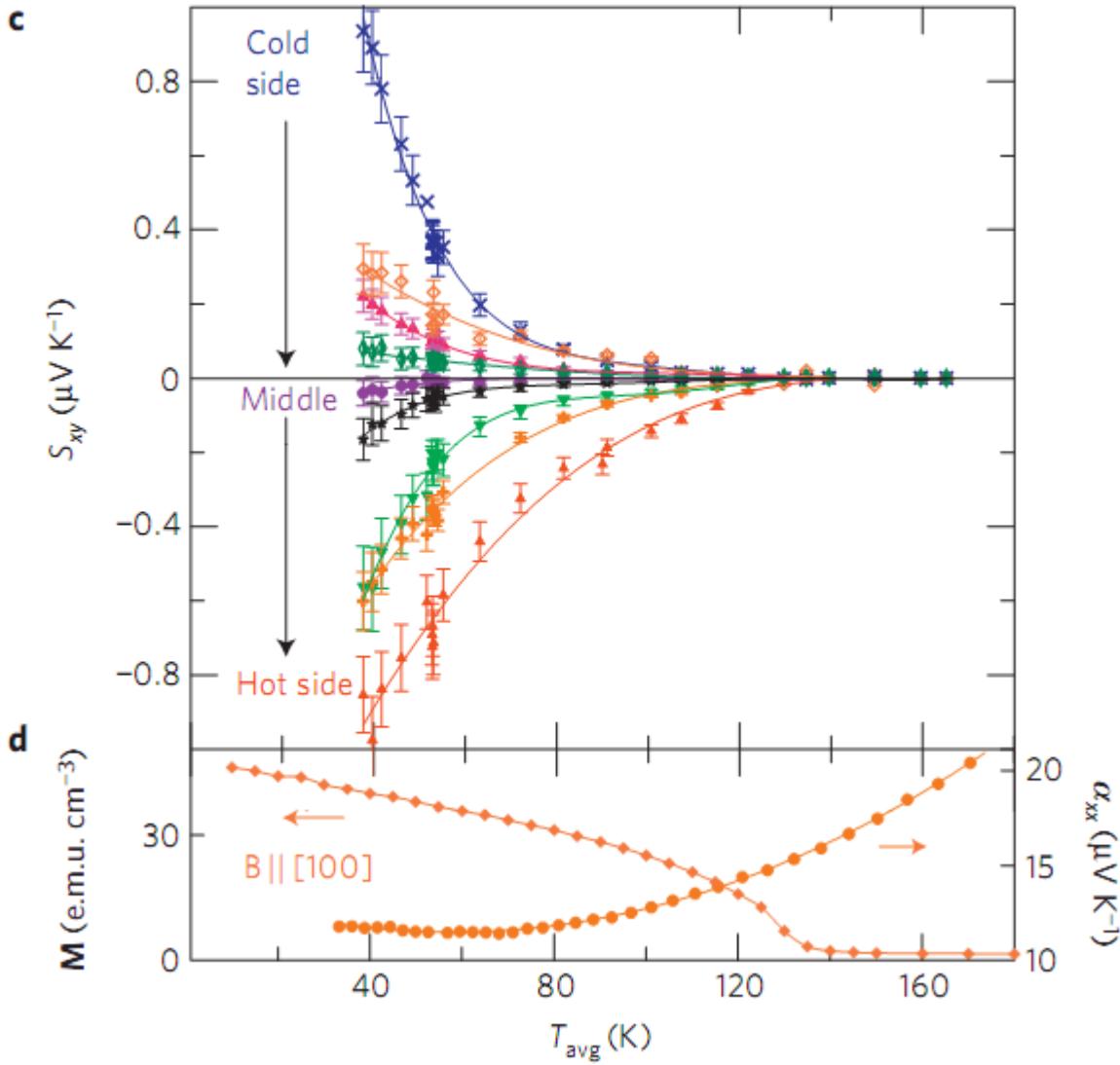


## Measurement setup

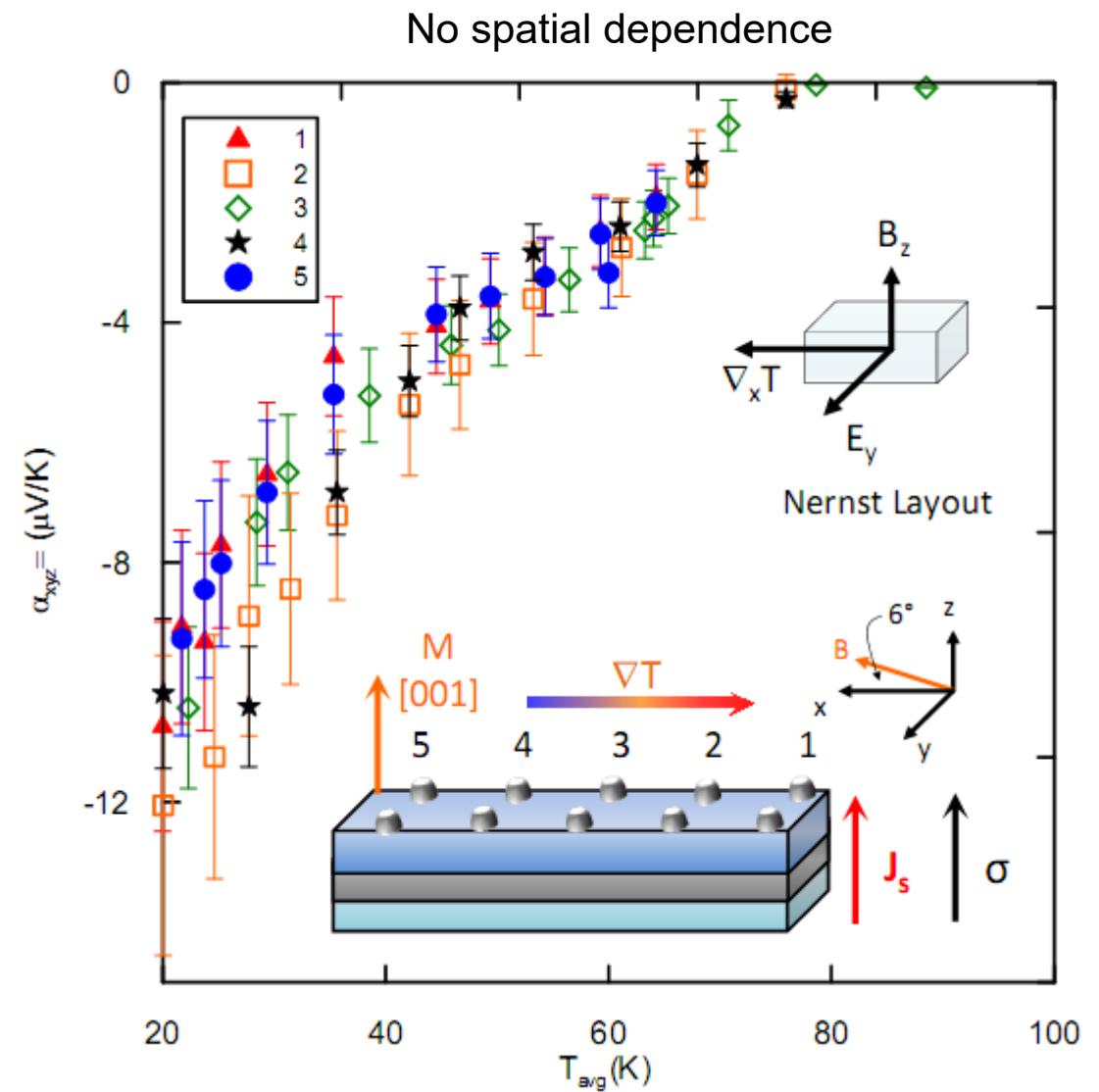
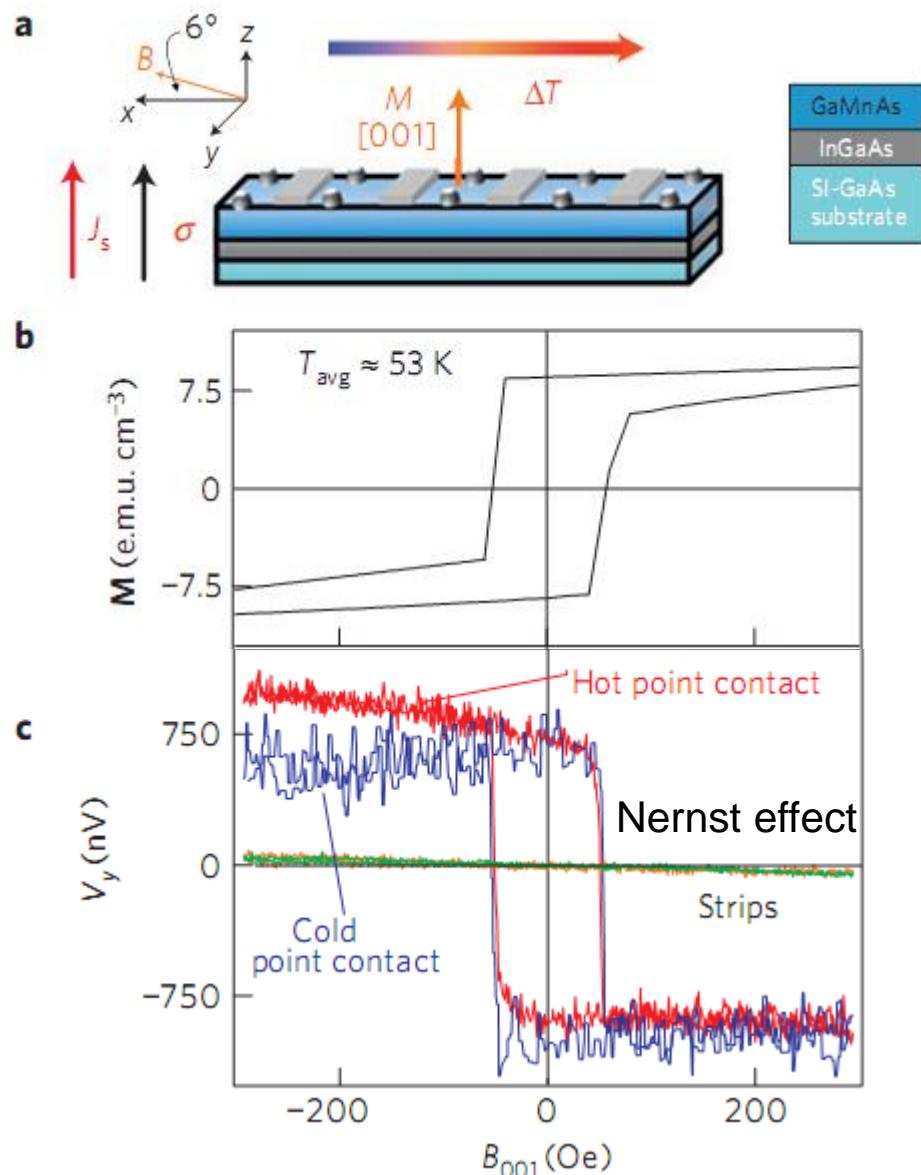


$$S_{xy} \equiv E_y / \nabla_x T = L \Delta V_y / 2w \Delta T_x$$

# Test of longitudinal spin current



## Measurement with out-of-plane magnetization



## SSE measurements using point contacts

