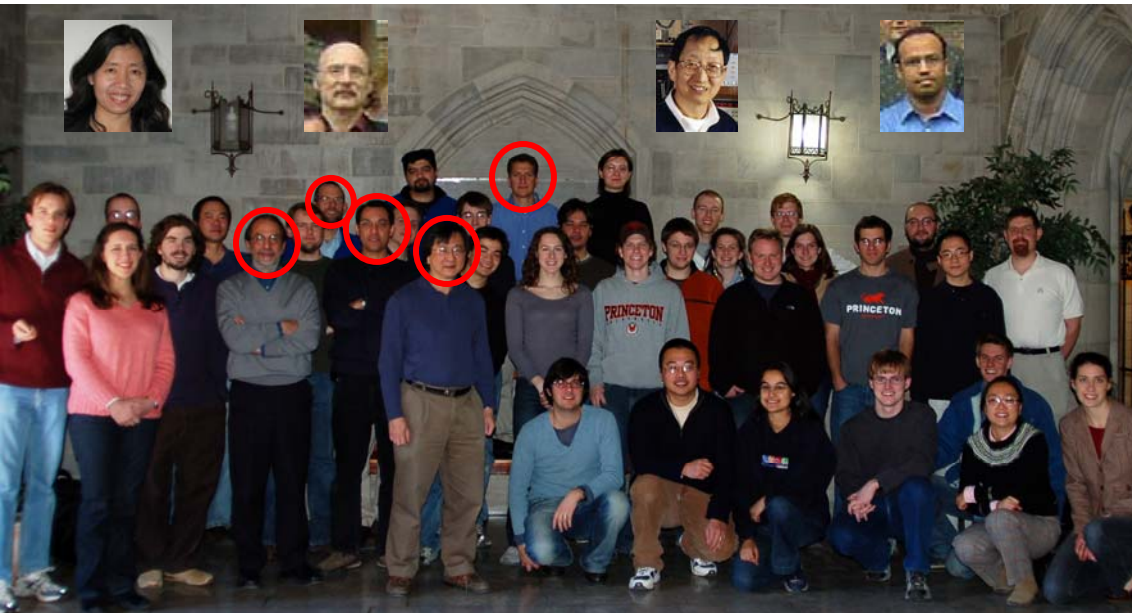


IRG-A: Electronic Materials with Triangular Lattice and Dirac Excitations



- Bob Cava, co-leader (Chem) • synthesis/growth
 - Duncan Haldane (Phys) • experiment
 - Zahid Hasan (Phys) • theory
 - David Huse (Phys) •
 - Phuan Ong, co-leader (Phys) •
 - Jason Petta (Phys) •
 - Donna Sheng (Phys, CSUN) •
 - Dan Tsui (EE) •
 - Ali Yazdani (Phys) •
- collaborators: G.D. Gu • (BNL), J.W. Lynn • (NIST), C. Petrovic • (BNL), A.P. Ramirez • (Alcatel), M. Shayegan • (EE, IRG-D), J.M. Tranquada • (BNL), S. Watauchi • (Yamanashi)

- in-house growth, synthesis of unusual materials
- suite of modern powerful experimental tools
- strong theoretical team

topological states in Bi-Sb
transitions in 2D and 3D Dirac gas
graphene thermopower

