

Abstract Submitted
for the MAR09 Meeting of
The American Physical Society

Electronic structure of electron-doped $\text{BaFe}_{2-x}\text{Co}_x\text{As}$ Superconductor class studied by ARPES DONG QIAN, princeton university, N.L. WANG, Institute of Physics, Chinese Academy of Sciences, M.Z. HASAN, princeton university — State-of-art high resolution angle-resolved photoemission spectroscopic studies have been carried out on the electron doped $\text{BaFe}_{2-x}\text{Co}_x\text{As}$ Superconductor ($T_c=26\text{K}$). Electronic band structure, Fermi surface topology and superconducting gap evolution would be reported in this presentation. Nature of the spin sensity wave (SDW) state would be discussed from a band nesting point of view.

Dong Qian
princeton university

Date submitted: 20 Nov 2008

Electronic form version 1.4