

Abstract Submitted
for the MAR13 Meeting of
The American Physical Society

Intercalant dependent electronic structure studies on alkali metal intercalated graphite compounds¹ WONSHIK KYUNG, YEONGKWAN KIM, GARAM HAN, CHOONSHIK LEEM, CHUL KIM, Yonsei University, Korea, YEONGWOOK KIM, JUNSUNG KIM, Postech, Korea, CHANGYOUNG KIM, Yonsei University, Korea, YONSEI UNIVERSITY TEAM, POSTECH COLLABORATION — We present electronic structure study results on various alkali-metal intercalated graphite compounds (GIC) using angle-resolved photoemission spectroscopy (ARPES). There are two competing theories on where the superconductivity occurs in this material; intercalant metal or charge doped graphene layer. To elucidate this issue, we measured electron doping amount of each alkali-metal intercalated GICs. In addition, there are some mysterious problems that can't be explained with current theories.

¹Superconducting graphite intercalation compounds studies with ARPES

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Date submitted: 09 Nov 2012

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