

Abstract Submitted
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Multigap superconductivity in pnictides¹ PETER SAMUELY, PAVOL SZABO, ZUZANA PRIBULOVA, GABRIEL PRISTAS, Centre of Low Temperature Physics Kosice, PAUL CANFIELD, SERGEY BUD'KO, Ames laboratory, INSTITUTE OF EXPERIMENTAL PHYSICS, SLOVAK ACADEMY OF SCIENCES, 04001 KOSICE, SLOVAKIA TEAM, AMES LABORATORY AND IOWA STATE UNIVERSITY, AMES, IA 50011, USA TEAM — Point-contact Andreev reflection studies of the superconducting energy gap on the NdFeAsOF, (Ba,K)Fe₂As₂ and Ba(Fe,Co)₂As₂ crystals will be presented. The analysis of the data points to a two-gap superconductivity in these materials. Possible existence of the pseudogap in the non-superconducting density of states related to the static or dynamic magnetic order will be discussed as well.

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