

Abstract Submitted
for the MAR09 Meeting of
The American Physical Society

The Theory of the Field-Induced Charge-Density-Wave Phases.¹

ANDREI LEBED, Dept. of Physics, University of Arizona — We study a problem about the appearance of the Field-Induced Charge-Density-Wave (FICDW) phases in a quasi-one-dimensional conductor in high magnetic fields. The calculated ratios for critical magnetic fields of the different FICDW phase transitions are in very good agreement with the existing experimental data in α -(ET)₂KHg(SCN)₄ materials.

¹This work was supported by the NSF grant DMR-0705986

Andrei Lebed
Dept. of Physics, University of Arizona

Date submitted: 20 Nov 2008

Electronic form version 1.4