

Abstract Submitted
for the MAR14 Meeting of
The American Physical Society

The skyrmion phase in Mn_xSi revealed by the specific heat¹ J.-Y. LIN, Institute of Physics, National Chiao Tung University, F.C. CHOU, Center for Condensed Matter Sciences, National Taiwan University — We have measured the low temperature specific heat of Mn_xSi single crystals with two manganese contents, $x = 0.998$ and 0.945 . The skyrmion phase is manifested in the specific heat data. More importantly, it was found that the skyrmion phase is stabilized at $H = 0$ for $x = 0.998$.

¹This work was supported by National Science Council of Taiwan.

Jiunn-Yuan Lin
Natl Chiao Tung Univ

Date submitted: 13 Nov 2013

Electronic form version 1.4