

Abstract Submitted
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A New STM for Spin-Resolved Atomic Scale Imaging¹ E. MAIN, A. E. PIVONKA, I. ZELJKOVIC, J. E. HOFFMAN, Harvard University — We have designed and constructed a new scanning tunneling microscope system for magnetic and spectroscopic imaging in UHV. The system features a variable-temperature He flow cryostat with internal vibration damping, two-axis magnet, in situ evaporator, and in situ sample and tip transfer. Atomic-resolution test images have been achieved with the new system.

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