

Abstract Submitted  
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**Novel Schemes for Cuprate Nanodevice Fabrication**<sup>1</sup> NICK LITOMBE, Harvard University, ANTHONY BOLLINGER, IVAN BOZOVIC, Brookhaven National Laboratory, JENNY HOFFMAN, Harvard University — We have fabricated  $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$  (LSCO) nanodevices using high resolution electron beam writing coupled with photolithographic techniques. We characterized the patterned films with electrical transport measurements using a variable temperature cryostat. We report on the search for additional, non-deleterious fabrication schemes to yield pristine and small cross-section cuprate nanodevices.

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