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**Recent Progress Towards Leakage-Free SuperCDMS High-Voltage Detector Contacts** FEDJA KADRIBASIC, Texas A&M Univ, SUPER-CDMS COLLABORATION — Further improvement in detector technology is necessary for the long-term goals of the SuperCDMS Collaboration. In order to reach the sensitivity limit set by the background from solar neutrinos scattering coherently off atomic nuclei when searching for 0.1-6 GeV dark matter and to search for 1-100 MeV dark matter with electron recoils, we are pursuing development of advanced detectors with lower leakage current. In particular, the high-voltage contacts may play an important role in leakage-current performance. We report on recent progress toward understanding how contact design leads to leakage current.

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