PHYSICS AND ASTRONOMY

COLLOQUIUM

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“Microwave Kinetic Inductance Detectors for Astrophysics”

Abstract

Microwave Kinetic Inductance Detectors, or MKIDs, have proven to be a powerful cryogenic detector technology due to their sensitivity and the ease with which they can be multiplexed into large arrays. A MKID is an energy sensor based on a photon-variable superconducting inductance in a lithograting inCID 15Lang (en-US)>BDC .a ph-g)lts[va)4(ria)5bl)-11(e)0f