

Research progress of Microwave Kinetic Inductance Detectors in PMO

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Microwave Kinetic Inductance Detectors(MKIDs) are very promising superconducting detector arrays used in the field of terahertz astronomy. It has attracted much attention due to its simple implementation of frequency-multiplexing readout technology. The Purple Mountain Observatory(PMO) of the Chinese Academy of Sciences has carried out related research on the MKIDs detector based on the Antarctic DATE5 telescope as the background. Therefore, in this report, we will introduce our recent research on the MKIDs detector at the PMO.

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