

Cosmic Ray Response of Multiplexed TES Arrays

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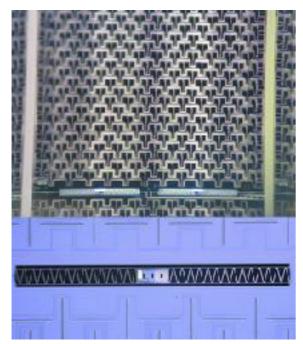


Full-system test of cosmic ray response of modern TES arrays to inform future space missions

What are the effects of **shared wafers** and **shared wires**?

Rates, spectra, coincidence,

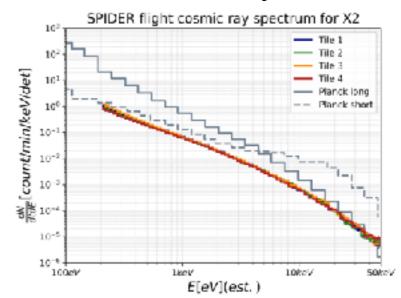
pulse shapes



JPL antenna-coupled arrays
Ti TES (T_c~0.5K)
Time-division multiplexer



SPIDER LDB flight 2400 TESs, 16 days @ 36km



Laboratory tests 128-TES wafer (post-flight) Am-241 source

