

Tera-Days: Attività INFN e prospettive per la radiazione THz e le sue applicazioni



SAPIENZA
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SIMAP: A project on Thz kinetic inductance detectors (KID) based on high-Tc superconductors.

Thursday, 6 April 2017 10:05 (25 minutes)

I will present the SIMAP project proposal conceived within a collaboration among researchers from the INFN-cryogenic detectors laboratory, the ISC-CNR, IFN-CNR, and the Sapienza physics department. The aim of the project is to realize a prototype KID based on a high-Tc superconductor with the aim of lowering the operational costs for commercial applications in fields as medicine, astronomy, and security. I will discuss the challenges and advantages that can arise from this kind of materials.

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