Observing the millimeter Universe with the NIKA2 camera



Contribution ID: 18 Type: not specified

The mm-to-cm SED of spiral galaxies: synergies between NIKA2 and SRT instruments.

Friday, 2 July 2021 16:15 (25 minutes)

The mm-to-cm range of the Spectral Energy Distribution of spiral galaxies remains largely unexplored. Its coverage is required to disentangle the contribution of dust emission, free-free and synchrotron radiation and can provide constaints on dust models, star-formation rates and ISM properties. I present the case for a synergy between NIKA2 observations of nearby spirals and those from planned and current instrumentation at the Sardinia Radio Telescope, and report on a pilot K-band program to search for Anomalous Microwave Emission, an elusive emission component which is presumably related to dust.

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