

5th Workshop on the Physics and Applications of Superconducting Microresonators



22-24 June 2016 University of Milano-Bicocca, Building U4, Room U4/8 - Piazza della Scienza 4, Milano, Italy

In the last decade the interest in superconductive microresonator detectors has increased thanks to their broad spectrum of possible applications. Currently arrays of these detectors are being developed together with frequency multiplexed readouts and ultra-low noise parametric amplifiers for different applications such as photon and dark-matter detection, neutrino and double-beta decay experiments, quantum information and homeland security applications. The workshop will be dedicated to superconductive microresonators detectors and related topics, with the purpose of exchanging knowledge, new ideas, to present recent advancements and improvements, and to discuss their applications.

THE WORKSHOP WILL BE DIVIDED IN THE FOLLOWING SECTIONS:

Physical effects in superconductive microresonators;
Materials and Fabrication;
MKIDs for optical, infrared, and millimeter wave telescopes;
MKIDs for other applications;
Electronics and multiplexed readout

SCIENTIFIC COMMITTEE

- Andrea Giachero INFN Milano-Bicocca
- Angelo Nucciotti University and INFN Milano-Bicocca
- Angiola Orlando INFN Genova
- Marco Vignati INFN Roma1

LOCAL ORGANIZER COMMITTEE (LOC)

- Elena Ferri INFN Milano-Bicocca
- Andrea Giachero INFN Milano-Bicocca
- Angelo Nucciotti University and INFN Milano-Bicocca

WORKSHOP SECRETARIAT

- Marco Faverzani University and INFN Milano-Bicocca
- Andrei Puiu University and INFN Milano-Bicocca