

18th International Workshop on Low Temperature Detectors (LTD-18)

Monday, July 22, 2019

Orals LM 001: MICRO A - Auditorium G. Testori (10:40 AM - 11:55 AM)

-Conveners: Simon, R. Bandler

time	[id] title	presenter
11:10 AM	[393] Transition Edge Sensors for HOLMES	PUIU, Andrei
11:25 AM	[96] TES pixel optimization for the ATHENA X-IFU instrument	Dr WAKEHAM, Nicholas, A.
11:40 AM	[136] Characterization of high aspect ratio TiAu TES X-ray microcalorimeters array using the X-IFU Frequency Domain Multiplexing readout	Dr TARALLI, Emanuele

Orals LM 001: BOLO 1 - Auditorium G. Testori (11:55 AM - 1:10 PM)

-Conveners: Sunil Golwala

time	[id] title	presenter
11:55 AM	[35] Ultrasensitive Microwave Bolometer	Dr MÖTTÖNEN, Mikko
12:10 PM	[116] A dual polarization, background limited Kinetic Inductance Detector operating between 1.4 and 2.8 THz	Dr BUENO, Juan
12:25 PM	[232] Advanced Feedhorn Coupled MKIDs	VISSERS, Michael
12:40 PM	[223] Compact spectroscopy imaging detectors for astrophysical applications	BOUNISSOU, Sophie
12:55 PM	[325] Potential methods for stray-light suppression in antenna-coupled LEKIDs	HORNSBY, Amber

Orals LM 001: MICRO KID - Auditorium G. Testori (2:25 PM - 3:40 PM)

-Conveners: Gerhard Ulbricht

time	[id] title	presenter
2:25 PM	[196] Twenty Years of Microwave Kinetic Inductance Detectors: A Technical Review	Dr GAO, Jiansong
2:55 PM	[217] Results from X-Ray microcalorimeter arrays based on Thermal MKIDs (TKIDs)	DAAL, Miguel
3:10 PM	[124] Energy resolution of aluminium photon-counting MKID detectors at visible and near-infrared wavelengths	DE VISSER, Pieter
3:25 PM	[356] Optical performance of the antenna-coupled lumped-element kinetic inductance detector	Dr BARRY, Pete

Tuesday, July 23, 2019

Orals LM 001: NOVEL - Auditorium G. Testori (8:30 AM - 9:45 AM)

-Conveners: Kent Irwin

time	[id] title	presenter
8:30 AM	[194] Superconducting Nanowire Single-Photon Detectors (INVITED)	Prof. BERGGREN, Karl
9:00 AM	[76] Intrinsic dark counts in superconducting nanostrip single-photon detectors: the role of multiple fluctuation events in NbN and NbTiN	Dr PARLATO, Loredana
9:15 AM	[190] Nanowire Detection of Photons from the Dark Side	Dr CHARAEV, Ilya
9:30 AM	[57] Small Array of Low Frequency Readout Quantum Capacitance Detectors	Dr ECHTERNACH, Pierre

Orals LM 001: MACRO - Auditorium G. Testori (12:15 PM - 1:00 PM)

-Conveners: Lucia Canonica

time	[id] title	presenter
12:15 PM	[353] Large calorimeters	Dr PIRRO, Stefano
12:45 PM	[143] Cryogenic light detectors for background suppression: the CALDER project.	CASALI, Nicola

Wednesday, July 24, 2019

Orals LM 001: MICRO B - Auditorium G. Testori (12:45 PM - 1:15 PM)

-Conveners: Stephan Friedrich

time	[id] title	presenter
12:45 PM	[84] maXs: Metallic Magnetic Calorimeter Arrays for High Resolution X-Ray Spectroscopy	HENGSTLER, Daniel
1:00 PM	[210] Metallic Magnetic Calorimeters for High-Accuracy Nuclear Decay Data	Prof. BOYD, Stephen

Friday, July 26, 2019

Orals LM 001: THEO - Auditorium G. Testori (11:15 AM - 12:15 PM)

-Conveners: Ilari Maasilta

time	[id] title	presenter
11:15 AM	[207] The end of unexplained noise? A New Model for Noise in TESs	Dr BENNETT, Douglas
11:30 AM	[79] Nonlinear Properties of Supercurrent-Carrying Single and Multi-Layer Thin-Film Superconductors	Mr ZHAO, Songyuan
11:45 AM	[206] Excess Johnson noise in non-uniform TESs	VAN DER KUUR, Jan
12:00 PM	[47] Enhancing quasiparticle lifetime in a superconductor with a phononic crystal	Dr ROSTEM, Karwan