

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

Monday 22 July 2019

Poster session: Inauguration with buffet (sponsored by IEEE-CSC) - Piazza Città di Lombardia (18:55-21:30)

Tuesday 23 July 2019

Poster session: Session A - Piazza Città di Lombardia (17:45-19:00)

[id] title	presenter	board
[119] Optical Performance of SIS Photon Detectors at Terahertz Frequencies	EZAWA, Hajime	
[222] Detailed STJ and MCA Characterization with a Pulsed UV Laser	Dr FRIEDRICH, Stephan	
[62] Systematic studies of a sapphire bolometer with phonon pulses in the temperature range of 10-100 mK	Mr GARAI, Abhijit	
[104] Development of Neganov-Luke light detectors for a rare event experiment	Dr JEON, JA	
[150] Towards energy dispersive X-ray spectroscopy with sub-eV energy resolution: Metallic magnetic calorimeters with direct sensor readout	Mr KRANTZ, Matthäus	
[253] The KID Interferometric-Spectrum Survey (KISS) experiment	FASANO, Alessandro	
[379] A status of CUPID-Mo bolometric experiment to search for neutrinoless double-beta decay of ^{100}Mo	PODA, Denys	
[282] Microcalorimetry of carbon ion beam for medical treatment by transition edge sensor	SMITH, Ryan	
[92] Optical Characterization of BICEP3 and the Keck Array from 2016 to 2019	ST GERMAINE, Tyler	
[56] SuperCDMS HV Detector R&D	KURINSKY, Noah	
[288] The Dark Matter Radio Pathfinder	Dr PHIPPS, Arran Dr PHIPPS, Arran	
[129] TES Detector for the ALPS II Experiment	SHAH, Rikhav	
[337] Precision Measurements of Beta Spectra using Metallic Magnetic Calorimeters within the European Metrology Research Project MetroBeta	Mr LOIDL, Martin	
[94] Process development for dual-thickness, multi-absorber x-ray microcalorimeter arrays	Dr CHERVENAK, James	
[41] The CROSS Experiment: Unveiling Neutrino's Mysteries with Superconductivity Methods	KHALIFE, Hawraa	
[416] Determination of depairing current of superconducting thin films by means of superconducting nanowire resonators	FRASCA, Simone	
[73] Multilayer Etched Antireflective Structures for Silicon Vacuum Windows	MACIOCE, Theodore	
[167] Near Infrared and visible TiN- based parallel-plate capacitor kinetic inductance detectors	BELDI, Samir	
[103] Low temperature measurement on directional dependence of phonon-scintillation signals from a zinc tungstate crystal	Dr JEON, JA	
[346] Titanium nitride lumped element kinetic inductance detector with parallel plate capacitances	DEFRANCE, Fabien	
[369] title: on-chip spectrometry at THz frequencies and high resolving power	Prof. SHIROKOFF, Erik	
[162] The Athena X-ray Integral Field Unit: instrument status at the beginning of the Preliminary Definition phase	PAJOT, F.	
[166] Detector Performance in the Micro-X Telescope	GOLDFINGER, David C.	
[49] A flexible GPU-accelerated radio-frequency readout for superconducting detectors	Mr MINUTOLO, Lorenzo	

[254] ZCU111 RFSoc Characterisation, in the Context of a Cost Effective Microwave Readout System for MKIDs	Dr BRACKEN, Colm	
[304] Adaptable Firmware for Microwave SQUID Readout on a Commercial Hardware Platform	Mr GARD, Johnathon	
[83] Recent Advances in Frequency-Multiplexed TES Readout: Vastly Reduced Parasitics and an Increase in Multiplexing Factor with sub-Kelvin SQUIDS	DE HAAN, Tijmen	
[312] HeRALD, a new detector concept for light dark matter direct detection	SERAFIN, Alessandro	
[33] An array scalable zero-bias far-IR detector with noise thermometry readout	Dr KARASIK, Boris	
[147] Measuring Transmission Line Losses at sub-mm wavelengths with an on-chip Fabry-Perot resonator	HÄHNLE, Sebastian	
[109] Microwave SQUID multiplexer for readout of optical TES array	Mr NAKADA, Naoki	
[401] The phonon mediated TES cosmic ray detector for focal plane of ATHENA x-ray Telescope	BIASOTTI, Michele	
[106] Complex impedance of optical transition-edge sensors with sub-microsecond response	Dr HATTORI, Kaori	
[248] Dynamic characterization of cryogenic optical photon detectors with Ir/Pt bilayer transition edge sensors	SINGH, Vivek	
[85] Overview of SuperCDMS Experiment	Dr HONG, Ziqing	
[21] Diamond Detectors for Direct Detection of Sub-GeV Dark Matter	YU, To Chin	
[308] Charge exchange measurements with neutral hydrogen using the X-ray Quantum Calorimeter (XQC)	AMBARISH, Conjeevaram	
[126] QUBIC: the Q & U Bolometric Interferometer for Cosmology	BATTISTELLI, Elia Stefano	
[91] CCAT-prime: Cosmology with A Six-meter Submillimeter Telescope at Cerro Chajnantor	CHOI, Steve	
[205] The Simons Observatory: Small Aperture Telescopes	Dr ALI, Aamir	
[276] A New Measurement of the 60 keV Transition in Am-241 Decays using Metallic Magnetic Calorimeters	KIM, Geon-Bo	
[69] The HiRMES Focal Plane Array	HAYS-WEHLE, James	
[72] Flat low-loss silicon gradient index lens for millimeter and submillimeter wavelengths	Dr DEFRANCE, Fabien	
[27] Development of the low-frequency detectors for BICEP Array	Ms ZHANG, Cheng	
[188] The Design of The CCAT-Prime Epoch of Reionization Spectrometer Instrument	Mr COTHARD, Nicholas	
[302] Expanding the Capability of Microwave Multiplexed Readout for Fast Signals in Microcalorimeters	MORGAN, Kelsey	
[262] MOCCA: A 4k-pixel molecule camera for the position and energy resolving detection of neutral molecule fragments at the Cryogenic Storage Ring CSR	Mr SCHULZ, Dennis	
[189] Characterization of aliased noise in the Advanced ACTPol receiver	Mr GALLARDO, Patricio	
[289] Development of a Reconfigurable Readout for Superconducting Arrays	Mr SINCLAIR, Adrian	
[279] dc-SQUID readout scheme with high dynamic range and intrinsic MHz frequency-domain multiplexing capability	Mr RICHTER, Daniel	
[348] Performance of a low-parasitic frequency domain multiplexing architecture	Dr LOWITZ, Amy E.	
[230] New Approaches to Very Low-energy Calibration of Cryogenic Detectors	GHAITH, Muad	

[89] Large Area TES Chip with 40meV Resolution	Mr FINK, Caleb	
[34] Design, simulation and fabrication of highly sensitive cooled silicon bolometer for millimetre wave absorption	ALIANE, ABDELKADER	
[64] Nanoscale Phononic Crystal Membranes for Low Temperature Detector Applications	Dr PUURTINEN, Tuomas	
[365] ON-CHIP POLARIMETRY FOR THE SPICA B-BOP INSTRUMENT	Dr RODRIGUEZ, Louis	
[284] Extending KIDs Optical Response to the Mid-IR for Future Space Observatories	PERIDO, Joanna	
[131] Compact, add-on sub-Kelvin modules extend the working range of 4K mechanical pre-coolers to temperatures below 1K	Ms RONSON, Emily	
[139] Suppression of the relaxation induced by radioactivity in superconducting qubits and Kinetic Inductance Detectors	CASALI, Nicola	
[178] A cryogenic front-end preamplifier operating at 120K for bolometric detector	Dr REZA, Ashif	
[384] Holographic Beam Maps with Transition Edge Sensors	Dr GUALTIERI, Riccardo	
[314] Planar Self-Similar Antennas for Broadband Millimeter-Wave Measurements	MEINKE, Jeremy	
[390] High resolution digitization system for the CROSS experiment	CARNITI, Paolo	
[195] Developing a Large -Scale Cryogenic System for the Simultaneous Operation of Three Detector Focal Planes in TolTEC, A New Multichroic Imaging Polarimeter	DENIGRIS, Nat	
[277] Self-absorption and Phonon Pulse Shape Discrimination in Scintillating Bolometers	KIM, Geon-Bo	
[293] A cross-talk mitigation technique for FDM readout system in the SAFARI instrument	Dr KHOSROPANAH, Pौरya	
[204] Properties of the SQUID readout chain under development for the ATHENA X-IFU instrument	VAN DER KUUR, Jan	
[93] Cryogenic instrumentation developed for the characterization of advanced CMOS technologies down to 250 mK	Mr MARTÍNEZ, Ismael	
[330] Noise reduction techniques for the CUORE experiment	Mr FANTINI, Guido	
[319] Lowering the energy thresholds for the CUORE Experiment: A comparison between Optimum Trigger and Derivative Trigger Algorithm performances	Mrs CAMPANI, Alice	
[310] The CUORE pulse tubes noise cancellation technique	DOMPÈ, Valentina	
[291] Systematics in the On-Sky Performance of the Microwave-SQUID Multiplexer	YU, Cyndia	
[153] Data analysis and results for multi-absorbers TES	BEAUMONT, Sophie	
[240] Fast readout cryogenic electronics for SIS photon detectors	MATSUO, Hiroshi	
[333] Development of a closed-cycle miniature dilution refrigerator for a fast-cooldown 100 mK detector wafer test cryostat	Ms AZZONI, Susanna	
[175] Atomic Layer Deposition Josephson Junctions for Cryogenic Circuit Applications	JHABVALA, Christine	
[347] Alpha line detection with Nb based and YBCO based superconducting resonators	Dr NARUSE, Masato	
[342] Development of metallic magnetic calorimeter arrays with embedded ^{163}Ho for the ECHo experiment	MANTEGAZZINI, Federica	

[336] Development of MMC based combined photon and phonon detector for rare event searches	FLEISCHMANN, Andreas	
[331] Low Temperature MMC Detector Arrays for the IAXO experiment	GASTALDO, Loredana	
[311] The Medium and High Frequencies Telescopes of LiteBIRD	MOT, Baptiste	
[278] Stabilization heaters for AMoRE	KWON, Dohyung	
[258] Thermal simulations of temperature excursions on the Athena X-IFU detector wafer from impacts by cosmic rays	STEVER, Samantha	
[257] Design of a testbed for the study of system interference in space CMB polarimetry	GHIGNA, Tommaso	
[218] Development of low threshold detectors for light dark matter detection	KIM, Hyelim	
[213] Full-Array Noise Performance of Deployment-Grade SuperSpec mm-wave On-Chip Spectrometers	Dr KARKARE, Kirit	
[212] Development of Transition-Edge Sensor X-ray Microcalorimeter Linear Array for High Energy Applications	PATEL, Umeshkumar	
[159] Designing a Gas Cell Experiment for the Calibration of DESHIMA	Ms ZHANG, Zhongyue	
[158] KATANA – Koolstof (Carbon) Atom Tomography with Advanced Nanotechnology for Astronomy	KARATSU, Kenichi	
[154] Diamond cryogenic detector for low-mass Dark Matter searches	CANONICA, Lucia	
[123] Complex beam maps and a fourier optics analysis of a wide field MKID camera	Dr YATES, Stephen	
[90] Compact Gamma Spectrometer	CROCE, Mark	
[61] High energy background event identification using local group trigger in a 240-pixel X-ray TES array	Dr YAMADA, Shinya	
[264] The AMoRE Pilot experiment	Mr WOO, Kyungrae	
[122] MetroMMC: Electron-capture spectrometry with cryogenic calorimeters for science and technology	RANITZSCH, Philipp Chung-On	
[350] Precision measurement of the absorbed dose in heavy ion beam by superconducting transition edge sensor	Dr OHNO, Masashi	
[297] The CMB-S4 Experiment	CHANG, Clarence	
[29] HUBS: Hot Universe Baryon Surveyor	Dr CUI, Wei	
[156] Development of a Wide-Range X-ray Emission Spectroscopy Measurement System with Transition Edge Sensors and Microwave Multiplexed Readout	CARPENTER, Matthew	
[86] SuperCDMS IMPACT: an Ionization Yield Calibration Program	REN, Runze	
[186] Atomic Layer Deposition Niobium Nitride Films for High-Q Resonators	SHEAGREN, Calder	
[226] Detector fabrication development for the LiteBIRD satellite mission	Dr WESTBROOK, Benjamin	
[201] Synthesis and Characterization of MoxNb_{1-x} Films Superconducting at 100-200mK	Dr YEFREMENKO, Volodymyr	
[28] Fabrication of mushroom-type gold absorber for transition edge X-ray detectors	Prof. GAO, Bo	
[408] Microfabrication of TES microcalorimeters for the HOLMES experiment	Mrs FERRI, Elena GATTI, Flavio	
[145] Increased multiplexing of superconducting microresonator arrays by post-characterization adaptation of the on-chip capacitors	SHU, Shibo	

[334] Gradient-index Silicon Optics for Millimeter-wave detectors	Dr DRIESSEN, Eduard	
[396] TES microcalorimeters for PTOLEMY	Dr RAJTERI, Mauro	
[281] Towards Photon Counting Kinetic Inductance Detectors for Far-Infrared Spectroscopy	Dr CONNORS, Jake CONNORS, Jake	
[374] TES bolometer arrays for the QUBIC B-mode CMB experiment	MARNIEROS, Stefanos	
[363] Low-loss Microstrip Transmission Line Fabricated with Improved Liftoff Process	HESS, Larry A. Dr HESS, Larry HESS, Larry	
[68] The CLASS 150/220 GHz Polarimeter Array: Design, Assembly, and Characterization	Mr DAHAL, Sumit	
[132] Development of a TiAu TES microcalorimeter array as a backup sensor for the Athena/X-IFU instrument	Mr NAGAYOSHI, Kenichiro	
[181] Fabrication of Bismuth Absorber Arrays for NTD-Ge Hard X-ray Microcalorimeters	Dr FERRUGGIA BONURA, Salvatore	
[67] Anti-reflection coating to improve the optical quantum efficiency of PtSi MKIDs arrays	COIFFARD, Gregoire	
[388] Status of the SIMP project: Towards the Single Microwave Photon Detection	Dr FALFERI, Paolo	
[292] Ka band narrowband parametric amplification via non-linear dynamics in superconducting waveguide cavities	Mr BANYNS, Danielius	
[234] Fabrication of Planar Integrated SIS Mixer Circuit with High Uniformity and High Yield	Dr EZAKI, Shohei	
[184] Archeological Lead detectors for neutrino physics	Dr PATTAVINA, Luca	
[171] Development of Gamma-Ray Transition-Edge-Sensor Microcalorimeters on Thick Membranes	Mr TSURUTA, Tetsuya	
[97] Towards a realistic resistive transition model for AC-biased TESs	GOTTARDI, Luciano	
[120] Improving detection efficiency using polycapillary optics for broadband, ultrahigh resolution spectroscopy of particle induced X-rays with TES microcalorimeter arrays	Mr HELENIUS, Ari	
[187] NEXUS@FNAL	HONG, Ziqing	
[300] Pulse response of a Kinetic Inductance Detector in the non-linear regime	BELLENGHI, Chiara	
[176] Characterization of a Ti/Au TES with Au/Bi absorber under AC and DC bias	POBES ARANDA, Carlos	
[51] Optical and Tunneling Studies of Energy Gap in Superconducting Niobium Nitride Films	Prof. UZAWA, Yoshinori	
[45] Development of a 350-GHz Dual-Polarization On-Chip Spectrometer	Prof. JING, LI	
[242] Development of Gamma-Ray Position-Sensitive Transition-Edge Sensor Microcalorimeters	Prof. IYOMOTO, Naoko	
[111] MMC critical temperature switch development with an integrated heater	KIM, sora	
[155] Characterization of Transition Edge Sensors for Simons Observatory	Mr STEVENS, Jason	
[128] Thermal impact of cosmic ray interaction with X-ray microcalorimeter array	MINIUSSI, Antoine, R	
[152] W-Band Lumped-Element Kinetic Inductance Detector array for large ground-based telescopes	COPPOLECCHIA, Alessandro	
[114] A 32x32 Doped Silicon based matrix read by HEMT/SiGe Cryo-electronics	Dr NAVICK, Xavier-François	
[134] High impedance NbSi TES for very large arrays in X-Ray astronomy.	Mr JEGO, Galahad	

[355] Broad-band, high-resolution, transition-edge-sensor arrays for x-ray astrophysics	SMITH, Stephen	
[227] Development of Low-Frequency Space-Optimized TES Bolometer Arrays for LiteBIRD	Dr JAEHNIG, Greg	
[169] Development of Microwave Kinetic Inductance Detectors for near-IR single photon counting	Dr MEZZENA, Renato	

Thursday 25 July 2019

Poster session: Session B - Piazza Città di Lombardia (17:45-19:00)

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[209] Novel measurement method for responsivity of microwave kinetic inductance detector by changing a power of readout microwaves	Mr KUTSUMA, Hiroki	
[260] Temperature and concentration dependence of the heat capacity contribution of holmium ions embedded in metallic absorbers of MMC detectors developed for the ECHo experiment	REIFENBERGER, Andreas	
[275] Decay times of optical pulses for aluminum CPW KIDs	FYHRIE, Adalyn	
[102] Energy consumption, conversion, and transfer in nanometric Field-Effect-Transistors (FET) used in readout electronics at cryogenic temperatures	Mr CABRERA, Alfonso	
[415] Itinerant Single Microwave Photon Detection	KREIKEBAUM, John Mark	
[135] Demonstration of fine-pitch high resolution X-ray transition-edge sensor microcalorimeters optimized for energies below 1 keV	Dr SAKAI, Kazuhiro	
[377] Progress on SuperSpec Filterbank Improvements for Future Far-IR Spectroscopic Astronomical Measurements	MCGEEHAN, Ryan	
[173] Fabrication of OMT-coupled MKIDs for CMB Observations	Ms TANG, Qing Yang	
[66] Characterization of Hafnium films for optical MKIDs at very low temperature	COIFFARD, Gregoire	
[39] Design Optimization of a 10 Kilopixel Optical Band Microwave Kinetic Inductance Detector	Dr SHAFIEE, Mehdi SHAFIEE, Mehdi	
[141] Development of MKIDs for optical to near-IR astronomy	Mr DE LUCIA, Mario	
[43] GroundBIRD: CMB polarization experiment with MKID array	Dr LEE, Kyungmin	
[165] Progress Report on the Large Scale Polarization Explorer.	LAMAGNA, Luca	
[88] Hyperspectral X-ray Imaging	CROCE, Mark	
[164] Deployment of POLARBEAR-2A	Dr KANEKO, Daisuke	
[182] Towards Dark Matter Searches with the Micro-X Sounding Rocket	HUBBARD, Antonia	
[409] Progress on a KID-Based Phonon-Mediated Dark Matter Detector	ARALIS, Taylor	
[137] Multiplexed readout of kinetic inductance bolometer arrays	Dr LUOMAHAARA, Juho	
[144] Results from final-stage lab commissioning of a continuous 100-mK helium light cryogenic platform for MUSCAT	Dr BRIEN, Tom	
[296] Transformer-Coupled TES Frequency Domain Readout Prototype	ROUBLE, Maclean	
[270] FDM Readout of TES Bolometers for the SAFARI Far-Infrared Spectrometer	Dr AUDLEY, Michael	
[367] Highly sensitive detectors for the B-BOP instrument	Dr ADAMI, Obaid-Allah	
[172] The Demonstration Model of the ATHENA X-IFU Cryogenic AntiCoincidence Detector	D'ANDREA, Matteo	
[357] RF Loss Tangent and Two-Level-System Noise of Amorphous Silicon and Crystalline Silicon Dielectrics for Sub/mm Astronomy Applications	Prof. GOLWALA, Sunil	
[305] Quantum Sensors for Quantum Coherent Dark Matter Detectors	KUENSTNER, Stephen	

[168] COSINUS: Cryogenic calorimeter for the direct dark matter search with NaI crystals	ZEMA, Vanessa	
[48] Multi-isotope Experimental Validation of Calorimetric Electron Capture Spectral Theory	Dr KOEHLER, Katrina	
[95] Second-generation Micro-Spec: spectrometer design for the Experiment for Cryogenic Large-Aperture Intensity Mapping	CATALDO, Giuseppe	
[238] γ -ray measurements of Th-229 isomer using TES microcalorimeters	MURAMATSU, Haruka	
[31] Constraining the primordial gravitational-wave using BICEP/Keck Array data up to 2018	HUI, Howard	
[364] KIDSpec – an MKID based medium resolution, integral field spectrograph	Dr O'BRIEN, Kieran	
[259] On the Design of Wideband Sub-mm Wave Superconducting Integrated Filter-bank Spectrometers	PASCUAL LAGUNA, Alejandro	
[70] An Ultra-Stable Mid-Infrared Transit Spectrometer for the Detection of Bio-Signatures in the Atmospheres of Exoplanets	STAGUHN, Johannes	
[345] X-ray spectroscopy of muonic atoms isolated in vacuum using transition edge sensors	Dr OKADA, Shinji	
[329] Characterization of a High Precision TES Light Detector for Neutrinoless Double Beta Decay Search	ZHANG, Jianjie	
[200] Developing AlMn films for Argonne TES fabrication	Ms VAVAGIAKIS, Eve	
[110] Development of multi-layer anti-reflection structures for millimeter-wave silicon optics using deep reactive ion etching process	Dr HASEBE, Takashi	
[107] A Novel Production Method of Millimeter-wave Absorber by a 3D-printed Mold	ADACHI, Shunsuke	
[252] An ambient temperature monitoring system for precision measurements of CMB polarization with TES bolometers at the Simons Array	TANABE, Daiki	
[317] SDR-based readout electronics for the ECHO experiment	Mr KARCHER, Nick	
[142] Analysing the FPGA processing capacity of the Xilinx ZCU111 RFSoc as a photon counting MKID readout system	Mr BALDWIN, Eoin	
[256] Benefits and limitations of bolometer Joule ramping	Dr STEVER, Samantha	
[71] Impact Ionization in SuperCDMS HVeV Detectors	PONCE, Francisco	
[339] Fundamental Properties of Frequency Multiplexed Superconducting Nanowire Kinetic Inductance Detector Array	GLASBY, Jacob	
[108] First test of a large-volume CdMoO ₄ -based low temperature detector for neutrinoless double beta decay search	XUE, Mingxuan	
[237] A continuous ADR table-top optical cryostat for LTD applications	Dr BRASILIANO, Diego	
[52] Improving detection efficiency of Ti-based superconducting transition edge sensors with optical cavity	Prof. ZHANG, Wen	
[118] Microwave Multiplexing Based on SQUIDs Directly Coupled to Resonators with a View to Simultaneous Readout of 80 TES X-ray Microcalorimeters	Mr NAKASHIMA, Yuki	
[338] Progress on optical photon calibration source for X-ray microcalorimeters	Dr JAECKEL, Felix	
[340] Simons Observatory Microwave Multiplexing Readout System Overview	Mr SILVA-FEATHER, Maximiliano	
[46] Data handling, evaluation and unfolding methods for radionuclide spectrometry based on low-temperature calorimetric detectors	PAULSEN, Michael	

[265] Noise measurement of SQUID and LNA in the FDM readout system for SAFARI	Mr WANG, Qian	
[295] Using Kinetic Inductance Resonators to Readout Superconducting Nanowire Detectors	CHANG, Clarence	
[306] Superconducting parametric amplifiers for detector array readout	DAY, Peter	
[267] Development and testing of the FDM readout of the TES arrays aboard the LSPE/SWIPE balloon-borne experiment	Dr TARTARI, Andrea	
[407] A time- and amplitude-controllable technique for measuring energy resolution and other properties of KID-based phonon-mediated particle detectors	Mr CHANG, Yen-Yung	
[373] Noise Model of cryogenic High Electron Mobility Transistor, feasibility study of low threshold and high discrimination efficiency low temperature semiconductor detector for Coherent Electron Elastic Neutrino Nucleus Scattering (CENNS) and low mass Dark Matter direct detection experiments	JUILLARD, Alex	
[298] Sensitivity forecasting for the Simons Observatory	SIERRA, Carlos	
[170] DESHIMA on ASTE: Sky removal method for astronomical observations with an ultra-wideband submillimeter spectrometer	Dr TANIGUCHI, Akio	
[105] On-wafer Characterization of Frequency Conversion Properties in an SIS Tunnel Junction	Dr KOJIMA, Takafumi	
[250] Development of superconducting tunnel junction detector with cryogenic amplifier for COBAND experiment.	Mr KASAJIMA, Akihiro	
[299] A 960-pixel X-ray- TES readout platform for Athena X-IFU development	DORIESE, W. Bertrand (Randy)	
[249] Quantifying the effect of cosmic ray showers on the X-IFU energy resolution	Dr PEILLE, Philippe	
[50] Observation of Frequency Up-conversion Gain in SIS Junctions at Millimeter Wavelengths	Mr KOZUKI, Yuto	
[127] ECLIPSE, the cryogenic readout circuit of the polarimetric camera B-BOP for the SPICA spatial observatory project	Dr DE LA BROÏSE, Xavier	
[303] Optimizing Readout for Nuclear Magnetic Resonance Axion Searches	KUENSTNER, Stephen	
[58] Automated Drift Correction, Coadding, and Energy Calibration of Large Array Microcalorimeter Data	Dr KOEHLER, Katrina	
[397] High speed microwave rf-SQUID multiplexing read-out for the HOLMES experiment	GIACHERO, Andrea	
[326] The CUORE data acquisition system	Mr COPELLO, Simone	
[283] Resonance Spectra of MKIDs Obtained with Frequency Sweeping Scheme	Dr NAGAI, Makoto	
[398] Analysis techniques for the signal processing of the HOLMES detectors	BORGHESI, Matteo	
[157] LiteBIRD cryogenic chain: 100 mK cooling with mechanical coolers and ADRs	MOT, Baptiste	
[216] Li₂MoO₄ phonon-scintillation detection system with MMC readout	KIM, Hyelim	
[386] Noise temperature measurements for Axion haloscope experiment at CAPP	Dr SALA, Elena	
[372] Preparation of dried sources in 4 pi absorbers for total decay energy spectrometry using nanoporous gold	Dr RODRIGUES, Matias	
[343] Combined operation of two small pixel Ir- TESs for optical application	MIURA, Yoshitaka	
[327] Requirements for Laboratory-Based EXAFS Spectroscopy with Cryogenic Detectors	Dr CANTOR, Robin	
[315] Operational optimizations for TES detectors at a femtosecond X-ray laser	TITUS, Charles	

[307] The EXperiment for Cryogenic Large-aperture Intensity Mapping (EXCLAIM)	BARRENTINE, Emily M.	
[274] Kinetic inductance detectors on CaF₂ for spin-dependent dark matter search	Dr ISHIDOSHIRO, Koji	
[243] Waveform Analysis of a 240 pixel TES for X-rays and charged particles using a function of triggering neighboring pixels	HAYAKAWA, Ryota	
[229] DESHIMA on ASTE: On-sky Responsivity Calibration of the Integrated Superconducting Spectrometer	Dr TAKEKOSHI, Tatsuya	
[224] Characterization of TES Bolometers for the POLARBEAR-2B Receiver	Mr ELLEFLOT, Tucker	
[203] Response of transition edge sensors to charged particle impacts and analysis technique for exotic atom X-ray spectroscopy	Dr TATSUNO, Hideyuki	
[25] Antenna-Coupled TES Arrays Development for BICEP Array CMB Experiment	Mr MOHAMED , Ahmed Mohamed Soliman	
[246] Measurement of Th-229 low lying isomeric state with MRTOF+TES system at RIKEN-RIBF	ISOBE, Tadaaki	
[75] Development of Optical Transition Edge Sensor Array for Photon Imaging	Dr KONNO, Toshio	
[174] Effects on Film Stress on Quality Factors of Niobium Resonators	TANG, Qing Yang	
[322] Development of Next Generation Antenna-Coupled Hemispherical Lens Arrays for The Simons Observatory	BECKMAN, Shawn	
[179] On-sky Performance of AlMn Transition-Edge Sensor Bolometers for SPT-3G	ANDERSON, Adam	
[101] Assembly and integration process of the high-density detector arrays for Simons Observatory	Ms LI, Yaqiong	
[23] Fabrication of phononic-isolated kinetic inductance detectors	Mr DENIS, Kevin	
[202] Silicon oxide, nitride and oxynitride films as dielectric materials for superconducting detector applications	Ms LISOVENKO, Marharyta	
[351] Study of TES detector transition curve to optimize the pixel design for Frequency Division Multiplexing read-out	Mr RIDDER, Marcel	
[389] 163Ho distillation and implantation for Holmes experiment	DE GERONE, Matteo	
[125] Improved source/absorber preparation for radionuclide spectrometry based on low-temperature calorimetric detectors	BOCKHORN, Lina	
[385] Tunable kinetic inductance devices for Superconducting On-chip Fourier Transform Spectrometer and Parametric-amplifiers.	BASU THAKUR, Ritoban	
[400] Bismuth-Gold absorber for large area TES spiderweb bolometers	SIRI, Beatrice	
[193] Prototype Magnetic Calorimeter Arrays with Buried Wiring for the Lynx X-ray Microcalorimeter	Dr DEVASIA, Archana	
[37] Stripline and Microstrip for cryogenic applications	Dr YU, Huiqin	
[266] Synthesis of Ag:Er alloy for MMC (Metallic magnetic calorimeters) sensor material using induction heating method	Dr LEE, Minkyu	
[403] Innovative technique for large scale production of W-TES	Mr ABDELHAMEED, Ahmed H.	
[121] Development of large array of Kinetic Inductance Detectors using commercial level foundry	Dr KIUCHI, Kenji	
[98] Development of a high yield fabrication process for the US SpicA FAR infrared Instrument (SAFARI) detector arrays	Dr KENYON, Matt	

[324] Improving tunnel junction yield in arrays of CMB TESs cooled by NIS refrigerators	HARKE-HOSEMANN, Angelina	
[233] A combined method of DRIE and wet etching for releasing TES islands	Mr GAO, Guanhua	
[371] Neutrinoless double beta decay searches with an enriched $^{116}\text{CdWO}_4$ scintillating bolometer	Ms HELIS, Dounia	
[251] GPU Supported Simulation of Transition-Edge Sensor Arrays	LORENZ, Maximilian	
[245] Detector Design for AMoRE-I	KIM, HAN BEOM	
[235] Simplified patterning of Mo/Cu transition edge sensors	Dr MCCAMMON, Dan	
[148] Optimized design for on chip Fabry-Pérot resonators	KOUWENHOVEN, Kevin	
[140] Quantum efficiency study and reflectivity enhancement of AuBi absorbers	Dr HUMMATOV, Ruslan	
[133] Lithium-containing crystals for light dark matter search experiments in underground laboratories	BERTOLDO, Elia	
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