

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

Monday, July 22, 2019

Poster session: Inauguration with buffet (sponsored by IEEE-CSC) - Piazza Città di Lombardia (6:55 PM - 9:30 PM)

Tuesday, July 23, 2019

Poster session: Session A - Piazza Città di Lombardia (5:45 PM - 7:00 PM)

[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	
[187] NEXUS@FNAL	HONG, Ziqing	
[374] TES bolometer arrays for the QUBIC B-mode CMB experiment	MARNIEROS, Stefanos	
[85] Overview of SuperCDMS Experiment	Dr HONG, Ziqing	
[169] Development of Microwave Kinetic Inductance Detectors for near-IR single photon counting	Dr MEZZENA, Renato	
[227] Development of Low-Frequency Space-Optimized TES Bolometer Arrays for LiteBIRD	Dr JAEHNIG, Greg	
[355] Broad-band, high-resolution, transition-edge-sensor arrays for x-ray astrophysics	SMITH, Stephen	
[41] The CROSS Experiment: Unveiling Neutrino's Mysteries with Superconductivity Methods	KHALIFE, Hawraa	
[134] High impedance NbSi TES for very large arrays in X-Ray astronomy.	Mr JEGO, Galahad	
[152] W-Band Lumped-Element Kinetic Inductance Detector array for large ground-based telescopes	COPPOLECCHIA, Alessandro	
[128] Thermal impact of cosmic ray interaction with X-ray microcalorimeter array	MINIUSSI, Antoine, R	
[111] MMC critical temperature switch development with an integrated heater	KIM, sora	
[242] Development of Gamma-Ray Position-Sensitive Transition-Edge Sensor Microcalorimeters	Prof. IYOMOTO, Naoko	
[45] Development of a 350-GHz Dual-Polarization On-Chip Spectrometer	Prof. JING, LI	
[300] Pulse response of a Kinetic Inductance Detector in the non-linear regime	BELLENGHI, Chiara	
[51] Optical and Tunneling Studies of Energy Gap in Superconducting Niobium Nitride Films	Prof. UZAWA, Yoshinori	
[176] Characterization of a Ti/Au TES with Au/Bi absorber under AC and DC bias	POBES ARANDA, Carlos	
[97] Towards a realistic resistive transition model for AC-biased TESs	GOTTARDI, Luciano	
[132] Development of a TiAu TES microcalorimeter array as a backup sensor for the Athena/X-IFU instrument	Mr NAGAYOSHI, Kenichiro	
[184] Archeological Lead detectors for neutrino physics	Dr PATTAVINA, Luca	
[234] Fabrication of Planar Integrated SIS Mixer Circuit with High Uniformity and High Yield	Dr EZAKI, Shohei	
[292] Ka band narrowband parametric amplification via non-linear dynamics in superconducting waveguide cavities	Mr BANYS, Danielius	

[226] Detector fabrication development for the LiteBIRD satellite mission	Dr WESTBROOK, Benjamin	
[388] Status of the SIMP project: Towards the Single Microwave Photon Detection	Dr FALFERI, Paolo	
[67] Anti-reflection coating to improve the optical quantum efficiency of PtSi MKIDs arrays	COIFFARD, Gregoire	
[68] The CLASS 150/220 GHz Polarimeter Array: Design, Assembly, and Characterization	Mr DAHAL, Sumit	
[334] Gradient-index Silicon Optics for Millimeter-wave detectors	Dr DRIESSEN, Eduard	
[201] Synthesis and Characterization of MoxNb_{1-x} Films Superconducting at 100-200mK	Dr YEFREMENKO, Volodymyr	
[408] Microfabrication of TES microcalorimeters for the HOLMES experiment	Mrs FERRI, Elena GATTI, Flavio	
[28] Fabrication of mushroom-type gold absorber for transition edge X-ray detectors	Prof. GAO, Bo	
[186] Atomic Layer Deposition Niobium Nitride Films for High-Q Resonators	SHEAGREN, Calder	
[86] SuperCDMS IMPACT: an Ionization Yield Calibration Program	REN, Runze	
[29] HUBS: Hot Universe Baryon Surveyor	Dr CUI, Wei	
[297] The CMB-S4 Experiment	CHANG, Clarence	
[129] TES Detector for the ALPS II Experiment	SHAH, Rikhav	
[350] Precision measurement of the absorbed dose in heavy ion beam by superconducting transition edge sensor	Dr OHNO, Masashi	
[122] MetroMMC: Electron-capture spectrometry with cryogenic calorimeters for science and technology	RANITZSCH, Philipp Chung-On	
[264] The AMoRE Pilot experiment	Mr WOO, Kyungrae	
[90] Compact Gamma Spectrometer	CROCE, Mark	
[158] KATANA – Koolstof (Carbon) Atom Tomography with Advanced Nanotechnology for Astronomy	KARATSU, Kenichi	
[212] Development of Transition-Edge Sensor X-ray Microcalorimeter Linear Array for High Energy Applications	PATEL, Umeshkumar	
[218] Development of low threshold detectors for light dark matter detection	KIM, Hyelim	
[311] The Medium and High Frequencies Telescopes of LiteBIRD	MOT, Baptiste	
[258] Thermal simulations of temperature excursions on the Athena X-IFU detector wafer from impacts by cosmic rays	STEVER, Samantha	
[278] Stabilization heaters for AMoRE	KWON, Dohyung	
[347] Alpha line detection with Nb based and YBCO based superconducting resonators	Dr NARUSE, Masato	
[175] Atomic Layer Deposition Josephson Junctions for Cryogenic Circuit Applications	JHABVALA, Christine	
[333] Development of a closed-cycle miniature dilution refrigerator for a fast-cooldown 100 mK detector wafer test cryostat	Ms AZZONI, Susanna	
[153] Data analysis and results for multi-absorbers TES	BEAUMONT, Sophie	
[291] Systematics in the On-Sky Performance of the Microwave-SQUID Multiplexer	YU, Cyndia	
[310] The CUORE pulse tubes noise cancellation technique	DOMPÈ, Valentina	

[319] Lowering the energy thresholds for the CUORE Experiment: A comparison between Optimum Trigger and Derivative Trigger Algorithm performances	Mrs CAMPANI, Alice	
[277] Self-absorption and Phonon Pulse Shape Discrimination in Scintillating Bolometers	KIM, Geon-Bo	
[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	
[284] Extending KIDs Optical Response to the Mid-IR for Future Space Observatories	PERIDO, Joanna	
[390] High resolution digitization system for the CROSS experiment	CARNITI, Paolo	
[384] Holographic Beam Maps with Transition Edge Sensors	Dr GUALTIERI, Riccardo	
[178] A cryogenic front-end preamplifier operating at 120K for bolometric detector	Dr REZA, Ashif	
[139] Suppression of the relaxation induced by radioactivity in superconducting qubits and Kinetic Inductance Detectors	CASALI, Nicola	
[64] Nanoscale Phononic Crystal Membranes for Low Temperature Detector Applications	Dr PUURTINEN, Tuomas	
[288] The Dark Matter Radio Pathfinder	Dr PHIPPS, Arran Dr PHIPPS, Arran	
[89] Large Area TES Chip with 40meV Resolution	Mr FINK, Caleb	
[230] New Approaches to Very Low-energy Calibration of Cryogenic Detectors	GHAITH, Muad	
[348] Performance of a low-parasitic frequency domain multiplexing architecture	Dr LOWITZ, Amy E.	
[279] dc-SQUID readout scheme with high dynamic range and intrinsic MHz frequency-domain multiplexing capability	Mr RICHTER, Daniel	
[289] Development of a Reconfigurable Readout for Superconducting Arrays	Mr SINCLAIR, Adrian	
[189] Characterization of aliased noise in the Advanced ACTPol receiver	Mr GALLARDO, Patricio	
[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	
[302] Expanding the Capability of Microwave Multiplexed Readout for Fast Signals in Microcalorimeters	MORGAN, Kelsey	
[27] Development of the low-frequency detectors for BICEP Array	Ms ZHANG, Cheng	
[72] Flat low-loss silicon gradient index lens for millimeter and submillimeter wavelengths	Dr DEFRANCE, Fabien	
[69] The HiRMES Focal Plane Array	HAYS-WEHLE, James	
[276] A New Measurement of the 60 keV Transition in Am-241 Decays using Metallic Magnetic Calorimeters	KIM, Geon-Bo	
[205] The Simons Observatory: Small Aperture Telescopes	Dr ALI, Aamir	
[91] CCAT-prime: Cosmology with A Six-meter Submillimeter Telescope at Cerro Chajnantor	CHOI, Steve	
[126] QUBIC: the Q & U Bolometric Interferometer for Cosmology	BATTISTELLI, Elia Stefano	
[308] Charge exchange measurements with neutral hydrogen using the X-ray Quantum Calorimeter (XQC)	AMBARISH, Conjeevaram	
[204] Properties of the SQUID readout chain under development for the ATHENA X-IFU instrument	VAN DER KUIJ, Jan	

[248] Dynamic characterization of cryogenic optical photon detectors with Ir/Pt bilayer transition edge sensors	SINGH, Vivek	
[109] Microwave SQUID multiplexer for readout of optical TES array	Mr NAKADA, Naoki	
[312] HeRALD, a new detector concept for light dark matter direct detection	SERAFIN, Alessandro	
[166] Detector Performance in the Micro-X Telescope	GOLDFINGER, David C.	
[253] The KID Interferometric-Spectrum Survey (KISS) experiment	FASANO, Alessandro	
[162] The Athena X-ray Integral Field Unit: instrument status at the beginning of the Preliminary Definition phase	PAJOT, F.	
[147] Measuring Transmission Line Losses at sub-mm wavelengths with an on-chip Fabry-Perot resonator	HÄHNLE, Sebastian	
[49] A flexible GPU-accelerated radio-frequency readout for superconducting detectors	Mr MINUTOLO, Lorenzo	
[304] Adaptable Firmware for Microwave SQUID Readout on a Commercial Hardware Platform	Mr GARD, Johnathon	
[254] ZCU111 RFSoc Characterisation, in the Context of a Cost Effective Microwave Readout System for MKIDs	Dr BRACKEN, Colm	
[282] Microcalorimetry of carbon ion beam for medical treatment by transition edge sensor	SMITH, Ryan	
[379] A status of CUPID-Mo bolometric experiment to search for neutrinoless double-beta decay of 100Mo	PODA, Denys	
[369] title: on-chip spectrometry at THz frequencies and high resolving power	Prof. SHIROKOFF, Erik	
[346] Titanium nitride lumped element kinetic inductance detector with parallel plate capacitances	DEFRANCE, Fabien	
[213] Full-Array Noise Performance of Deployment-Grade SuperSpec mm-wave On-Chip Spectrometers	Dr KARKARE, Kirit	
[188] The Design of The CCAT-Prime Epoch of Reionization Spectrometer Instrument	Mr COTHARD, Nicholas	
[365] ON-CHIP POLARIMETRY FOR THE SPICA B-BOP INSTRUMENT	Dr RODRIGUEZ, Louis	
[34] Design, simulation and fabrication of highly sensitive cooled silicon bolometer for millimetre wave absorption	ALIANE, ABDELKADER	
[21] Diamond Detectors for Direct Detection of Sub-GeV Dark Matter	YU, To Chin	
[93] Cryogenic instrumentation developed for the characterization of advanced CMOS technologies down to 250 mK	Mr MARTÍNEZ, Ismael	
[106] Complex impedance of optical transition-edge sensors with sub-microsecond response	Dr HATTORI, Kaori	
[123] Complex beam maps and a fourier optics analysis of a wide field MKID camera	Dr YATES, Stephen	
[92] Optical Characterization of BICEP3 and the Keck Array from 2016 to 2019	ST GERMAINE, Tyler	
[401] The phonon mediated TES cosmic ray detector for focal plane of ATHENA x-ray Telescope	BIASOTTI, Michele	
[33] An array scalable zero-bias far-IR detector with noise thermometry readout	Dr KARASIK, Boris	
[83] Recent Advances in Frequency-Multiplexed TES Readout: Vastly Reduced Parasitics and an Increase in Multiplexing Factor with sub-Kelvin SQUIDS	DE HAAN, Tijmen	

[103] Low temperature measurement on directional dependence of phonon-scintillation signals from a zinc tungstate crystal	Dr JEON, JA	
[167] Near Infrared and visible TiN- based parallel-plate capacitor kinetic inductance detectors	BELDI, Samir	
[150] Towards energy dispersive X-ray spectroscopy with sub-eV energy resolution: Metallic magnetic calorimeters with direct sensor readout	Mr KRANTZ, Matthäus	
[337] Precision Measurements of Beta Spectra using Metallic Magnetic Calorimeters within the European Metrology Research Project MetroBeta	Mr LOIDL, Martin	
[114] A 32x32 Doped Silicon based matrix read by HEMT/SiGe Cryo-electronics	Dr NAVICK, Xavier-François	
[155] Characterization of Transition Edge Sensors for Simons Observatory	Mr STEVENS, Jason	
[120] Improving detection efficiency using polycapillary optics for broadband, ultrahigh resolution spectroscopy of particle induced X-rays with TES microcalorimeter arrays	Mr HELENIUS, Ari	
[171] Development of Gamma-Ray Transition-Edge-Sensor Microcalorimeters on Thick Membranes	Mr TSURUTA, Tetsuya	
[181] Fabrication of Bismuth Absorber Arrays for NTD-Ge Hard X-ray Microcalorimeters	Dr FERRUGGIA BONURA, Salvatore	
[363] Low-loss Microstrip Transmission Line Fabricated with Improved Liftoff Process	HESS, Larry A. Dr HESS, Larry HESS, Larry	
[281] Towards Photon Counting Kinetic Inductance Detectors for Far-Infrared Spectroscopy	Dr CONNORS, Jake CONNORS, Jake	
[396] TES microcalorimeters for PTOLEMY	Dr RAJTERI, Mauro	
[145] Increased multiplexing of superconducting microresonator arrays by post-characterization adaptation of the on-chip capacitors	SHU, Shibo	
[156] Development of a Wide-Range X-ray Emission Spectroscopy Measurement System with Transition Edge Sensors and Microwave Multiplexed Readout	CARPENTER, Matthew	
[61] High energy background event identification using local group trigger in a 240-pixel X-ray TES array	Dr YAMADA, Shinya	
[154] Diamond cryogenic detector for low-mass Dark Matter searches	CANONICA, Lucia	
[159] Designing a Gas Cell Experiment for the Calibration of DESHIMA	Ms ZHANG, Zhongyue	
[257] Design of a testbed for the study of system interference in space CMB polarimetry	GHIGNA, Tommaso	
[331] Low Temperature MMC Detector Arrays for the IAXO experiment	GASTALDO, Loredana	
[336] Development of MMC based combined photon and phonon detector for rare event searches	FLEISCHMANN, Andreas	
[342] Development of metallic magnetic calorimeter arrays with embedded ^{163}Ho for the ECHo experiment	MANTEGAZZINI, Federica	
[240] Fast readout cryogenic electronics for SIS photon detectors	MATSUO, Hiroshi	
[330] Noise reduction techniques for the CUORE experiment	Mr FANTINI, Guido	
[293] A cross-talk mitigation technique for FDM readout system in the SAFARI instrument	Dr KHOSROPANAH, Pourya	
[314] Planar Self-Similar Antennas for Broadband Millimeter-Wave Measurements	MEINKE, Jeremy	

[131] Compact, add-on sub-Kelvin modules extend the working range of 4K mechanical pre-coolers to temperatures below 1K	Ms RONSON, Emily	
[73] Multilayer Etched Antireflective Structures for Silicon Vacuum Windows	MACIOCE, Theodore	
[416] Determination of depairing current of superconducting thin films by means of superconducting nanowire resonators	FRASCA, Simone	
[94] Process development for dual-thickness, multi-absorber x-ray microcalorimeter arrays	Dr CHERVENAK, James	
[56] SuperCDMS HV Detector R&D	KURINSKY, Noah	

Thursday, July 25, 2019

Poster session: Session B - Piazza Città di Lombardia (5:45 PM - 7:00 PM)

[id] title	presenter	board
[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	
[80] Superconductor/ferromagnet tunnel junction based thermoelectric bolometer and calorimeter	Mr GENG, Zhuoran	
[290] BULLKID - Bulky and low-threshold kinetic inductance detectors	Dr COLANTONI, Ivan	
[378] High Resolution Photonic MKID Spectrograph	DAAL, Miguel	
[339] Fundamental Properties of Frequency Multiplexed Superconducting Nanowire Kinetic Inductance Detector Array	GLASBY, Jacob	
[191] High Voltage New Interface Studies	KADRIBASIC, Fedja	
[376] Development of Ge bolometers using NbSi transition edge sensors for the EDELWEISS and RICOCHET projects	MARNIEROS, Stefanos	
[247] Time-domain modeling of TES microcalorimeters under AC bias	KIRSCH, Christian	
[269] Modeling low-Tc Transition-Edge Sensors Made of Multi-layer Metal Films: Thickness Dependence of Electron Transparency at Interfaces	WANG, Gensheng	
[74] Ti hot electron bolometers with Johnson noise readout for terahertz radiation detection	Dr MIAO, Wei	
[38] TES X-ray spectrometer for Shanghai Coherent Light Facility	Mr ZHANG, Shuo	
[81] Thermal crosstalk measurements and simulations for X-ray microcalorimeter array	Dr MINIUSI, Antoine, R	
[151] Extension of the energy range accessible with a TES using bath temperature variations	BEAUMONT, Sophie	
[115] Development of TES microcalorimeters for solar axion search	Mr KONNO, Ryohei	
[99] Progress in the optimal TES pixel design for the X-IFU Frequency Division Multiplexing read-out	GOTTARDI, Luciano	
[133] Lithium-containing crystals for light dark matter search experiments in underground laboratories	BERTOLDO, Elia	
[37] Stripline and Microstrip for cryogenic applications	Dr YU, Huiqin	
[235] Simplified patterning of Mo/Cu transition edge sensors	Dr MCCAMMON, Dan	
[245] Detector Design for AMoRE-I	KIM, HAN BEOM	
[251] GPU Supported Simulation of Transition-Edge Sensor Arrays	LORENZ, Maximilian	
[233] A combined method of DRIE and wet etching for releasing TES islands	Mr GAO, Guanhua	
[224] Characterization of TES Bolometers for the POLARBEAR-2B Receiver	Mr ELLEFLOT, Tucker	
[98] Development of a high yield fabrication process for the US SpicA FAR infrared Instrument (SAFARI) detector arrays	Dr KENYON, Matt	

[121] Development of large array of Kinetic Inductance Detectors using commercial level foundry	Dr KIUCHI, Kenji	
[403] Innovative technique for large scale production of W-TES	Mr ABDELHAMEED, Ahmed H.	
[102] Energy consumption, conversion, and transfer in nanometric Field-Effect-Transistors (FET) used in readout electronics at cryogenic temperatures	Mr CABRERA, Alfonso	
[125] Improved source/absorber preparation for radionuclide spectrometry based on low-temperature calorimetric detectors	BOCKHORN, Lina	
[389] ¹⁶³Ho distillation and implantation for Holmes experiment	DE GERONE, Matteo	
[351] Study of TES detector transition curve to optimize the pixel design for Frequency Division Multiplexing read-out	Mr RIDDER, Marcel	
[23] Fabrication of phononic-isolated kinetic inductance detectors	Mr DENIS, Kevin	
[101] Assembly and integration process of the high-density detector arrays for Simons Observatory	Ms LI, Yaqiong	
[179] On-sky Performance of AlMn Transition-Edge Sensor Bolometers for SPT-3G	ANDERSON, Adam	
[322] Development of Next Generation Antenna-Coupled Hemispherical Lens Arrays for The Simons Observatory	BECKMAN, Shawn	
[75] Development of Optical Transition Edge Sensor Array for Photon Imaging	Dr KONNO, Toshio	
[25] Antenna-Coupled TES Arrays Development for BICEP Array CMB Experiment	Mr MOHAMED , Ahmed Mohamed Soliman	
[307] The EXperiment for Cryogenic Large-aperture Intensity Mapping (EXCLAIM)	BARRENTINE, Emily M.	
[229] DESHIMA on ASTE: On-sky Responsivity Calibration of the Integrated Superconducting Spectrometer	Dr TAKEKOSHI, Tatsuya	
[274] Kinetic inductance detectors on CaF₂ for spin-dependent dark matter search	Dr ISHIDOSHIRO, Koji	
[343] Combined operation of two small pixel Ir-TEs for optical application	MIURA, Yoshitaka	
[372] Preparation of dried sources in 4 pi absorbers for total decay energy spectrometry using nanoporous gold	Dr RODRIGUES, Matias	
[216] Li₂MoO₄ phonon-scintillation detection system with MMC readout	KIM, Hyelim	
[157] LiteBIRD cryogenic chain: 100 mK cooling with mechanical coolers and ADRs	MOT, Baptiste	
[398] Analysis techniques for the signal processing of the HOLMES detectors	BORGHESI, Matteo	
[283] Resonance Spectra of MKIDs Obtained with Frequency Sweeping Scheme	Dr NAGAI, Makoto	
[326] The CUORE data acquisition system	Mr COPELLO, Simone	
[397] High speed microwave rf-SQUID multiplexing read-out for the HOLMES experiment	GIACHERO, Andrea	
[58] Automated Drift Correction, Coadding, and Energy Calibration of Large Array Microcalorimeter Data	Dr KOEHLER, Katrina	
[303] Optimizing Readout for Nuclear Magnetic Resonance Axion Searches	KUENSTNER, Stephen	
[50] Observation of Frequency Up-conversion Gain in SIS Junctions at Millimeter Wavelengths	Mr KOZUKI, Yuto	
[299] A 960-pixel X-ray-TES readout platform for Athena X-IFU development	DORIESE, W. Bertrand (Randy)	

[250] Development of superconducting tunnel junction detector with cryogenic amplifier for COBAND experiment.	Mr KASAJIMA, Akihiro	
[338] Progress on optical photon calibration source for X-ray microcalorimeters	Dr JAECKEL, Felix	
[237] A continuous ADR table-top optical cryostat for LTD applications	Dr BRASILIANO, Diego	
[170] DESHIMA on ASTE: Sky removal method for astronomical observations with an ultra-wideband submillimeter spectrometer	Dr TANIGUCHI, Akio	
[298] Sensitivity forecasting for the Simons Observatory	SIERRA, Carlos	
[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	
[267] Development and testing of the FDM readout of the TES arrays aboard the LSPE/SWIPE balloon-borne experiment	Dr TARTARI, Andrea	
[306] Superconducting parametric amplifiers for detector array readout	DAY, Peter	
[295] Using Kinetic Inductance Resonators to Readout Superconducting Nanowire Detectors	CHANG, Clarence	
[265] Noise measurement of SQUID and LNA in the FDM readout system for SAFARI	Mr WANG, Qian	
[340] Simons Observatory Microwave Multiplexing Readout System Overview	Mr SILVA-FEATHER, Maximiliano	
[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	
[52] Improving detection efficiency of Ti-based superconducting transition edge sensors with optical cavity	Prof. ZHANG, Wen	
[71] Impact Ionization in SuperCDMS HVeV Detectors	PONCE, Francisco	
[317] SDR-based readout electronics for the ECHO experiment	Mr KARCHER, Nick	
[252] An ambient temperature monitoring system for precision measurements of CMB polarization with TES bolometers at the Simons Array	TANABE, Daiki	
[110] Development of multi-layer anti-reflection structures for millimeter-wave silicon optics using deep reactive ion etching process	Dr HASEBE, Takashi	
[200] Developing AlMn films for Argonne TES fabrication	Ms VAVAGIAKIS, Eve	
[70] An Ultra-Stable Mid-Infrared Transit Spectrometer for the Detection of Bio-Signatures in the Atmospheres of Exoplanets	STAGUHN, Johannes	
[329] Characterization of a High Precision TES Light Detector for Neutrinoless Double Beta Decay Search	ZHANG, Jianjie	
[345] X-ray spectroscopy of muonic atoms isolated in vacuum using transition edge sensors	Dr OKADA, Shinji	
[259] On the Design of Wideband Sub-mm Wave Superconducting Integrated Filter-bank Spectrometers	PASCUAL LAGUNA, Alejandro	
[364] KIDSpec – an MKID based medium resolution, integral field spectrograph	Dr O'BRIEN, Kieran	
[31] Constraining the primordial gravitational-wave using BICEP/Keck Array data up to 2018	HUI, Howard	
[48] Multi-isotope Experimental Validation of Calorimetric Electron Capture Spectral Theory	Dr KOEHLER, Katrina	
[305] Quantum Sensors for Quantum Coherent Dark Matter Detectors	KUENSTNER, Stephen	
[357] RF Loss Tangent and Two-Level-System Noise of Amorphous Silicon and Crystalline Silicon Dielectrics for Sub/mm Astronomy Applications	Prof. GOLWALA, Sunil	

[296] Transformer-Coupled TES Frequency Domain Readout Prototype	ROUBLE, Maclean	
[182] Towards Dark Matter Searches with the Micro-X Sounding Rocket	HUBBARD, Antonia	
[164] Deployment of POLARBEAR-2A	Dr KANEKO, Daisuke	
[43] GroundBIRD: CMB polarization experiment with MKID array	Dr LEE, Kyungmin	
[141] Development of MKIDs for optical to near-IR astronomy	Mr DE LUCIA, Mario	
[39] Design Optimization of a 10 Kilopixel Optical Band Microwave Kinetic Inductance Detector	Dr SHAFIEE, Mehdi SHAFIEE, Mehdi	
[66] Characterization of Hafnium films for optical MKIDs at very low temperature	COIFFARD, Gregoire	
[173] Fabrication of OMT-coupled MKIDs for CMB Observations	Ms TANG, Qing Yang	
[377] Progress on SuperSpec Filterbank Improvements for Future Far-IR Spectroscopic Astronomical Measurements	MCGEEHAN, Ryan	
[135] Demonstration of fine-pitch high resolution X-ray transition-edge sensor microcalorimeters optimized for energies below 1 keV	Dr SAKAI, Kazuhiro	
[400] Bismuth-Gold absorber for large area TES spiderweb bolometers	SIRI, Beatrice	
[385] Tunable kinetic inductance devices for Superconducting On-chip Fourier Transform Spectrometer and Parametric-amplifiers.	BASU THAKUR, Ritoban	
[315] Operational optimizations for TES detectors at a femtosecond X-ray laser	TITUS, Charles	
[327] Requirements for Laboratory-Based EXAFS Spectroscopy with Cryogenic Detectors	Dr CANTOR, Robin	
[386] Noise temperature measurements for Axion haloscope experiment at CAPP	Dr SALA, Elena	
[238] γ -ray measurements of Th-229 isomer using TES microcalorimeters	MURAMATSU, Haruka	
[137] Multiplexed readout of kinetic inductance bolometer arrays	Dr LUOMAHAARA, Juho	
[46] Data handling, evaluation and unfolding methods for radionuclide spectrometry based on low-temperature calorimetric detectors	PAULSEN, Michael	
[105] On-wafer Characterization of Frequency Conversion Properties in an SIS Tunnel Junction	Dr KOJIMA, Takafumi	
[88] Hyperspectral X-ray Imaging	CROCE, Mark	
[148] Optimized design for on chip Fabry-Pérot resonators	KOUWENHOVEN, Kevin	
[174] Effects on Film Stress on Quality Factors of Niobium Resonators	TANG, Qing Yang	
[172] The Demonstration Model of the ATHENA X-IFU Cryogenic AntiCoincidence Detector	D'ANDREA, Matteo	
[193] Prototype Magnetic Calorimeter Arrays with Buried Wiring for the Lynx X-ray Microcalorimeter	Dr DEVASIA, Archana	
[249] Quantifying the effect of cosmic ray showers on the X-IFU energy resolution	Dr PEILLE, Philippe	
[366] BASKET - Bolometers At Sub-KeV Energy Thresholds	Dr NONES, Claudia	
[410] Development of Scintillating Bolometers for Neutrinoless Double Beta Decay of Ca-48	TETSUNO, Konosuke	
[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	

[108] First test of a large-volume CdMoO₄-based low temperature detector for neutrinoless double beta decay search	XUE, Mingxuan	
[256] Benefits and limitations of bolometer Joule ramping	Dr STEVER, Samantha	
[268] MMC development for the AMoRE project	KIM, Sang Goon	
[117] The superconducting transition in TES: possible role of vortex pair unbinding	FABREGA, Lourdes	
[272] Irradiation tests of superconducting detectors and comparison with simulations	Dr MINAMI, Yuto	
[263] R&D of Hf-STJ for COBAND experiment	Ms ASANO, Chisa	
[316] The CUORE bolometric detectors: pulse shape analysis of the thermal signals	NUTINI, Irene	
[219] Device-Level Noise Physics of SuperSpec's Extremely Low Volume Titanium Nitride Kinetic Inductance Detectors	WHEELER, Jordan	
[140] Quantum efficiency study and reflectivity enhancement of AuBi absorbers	Dr HUMMATOV, Ruslan	
[371] Neutrinoless double beta decay searches with an enriched ¹¹⁶CdWO₄ scintillating bolometer	Ms HELIS, Dounia	
[324] Improving tunnel junction yield in arrays of CMB TESs cooled by NIS refrigerators	HARKE-HOSEMANN, Angelina	
[266] Synthesis of Ag:Er alloy for MMC (Metallic magnetic calorimeters) sensor material using induction heating method	Dr LEE, Minkyu	
[202] Silicon oxide, nitride and oxynitride films as dielectric materials for superconducting detector applications	Ms LISOVENKO, Marharyta	
[246] Measurement of Th-229 low lying isomeric state with MRTOF+TES system at RIKEN-RIBF	ISOBE, Tadaaki	
[203] Response of transition edge sensors to charged particle impacts and analysis technique for exotic atom X-ray spectroscopy	Dr TATSUNO, Hideyuki	
[243] Waveform Analysis of a 240 pixel TES for X-rays and charged particles using a function of triggering neighboring pixels	HAYAKAWA, Ryota	
[127] ECLIPSE, the cryogenic readout circuit of the polarimetric camera B-BOP for the SPICA spatial observatory project	Dr DE LA BROÏSE, Xavier	
[142] Analysing the FPGA processing capacity of the Xilinx ZCU111 RFSoc as a photon counting MKID readout system	Mr BALDWIN, Eoin	
[107] A Novel Production Method of Millimeter-wave Absorber by a 3D-printed Mold	ADACHI, Shunsuke	
[95] Second-generation Micro-Spec: spectrometer design for the Experiment for Cryogenic Large-Aperture Intensity Mapping	CATALDO, Giuseppe	
[168] COSINUS: Cryogenic calorimeter for the direct dark matter search with NaI crystals	ZEMA, Vanessa	
[367] Highly sensitive detectors for the B-BOP instrument	Dr ADAMI, Obaid-Allah	
[270] FDM Readout of TES Bolometers for the SAFARI Far-Infrared Spectrometer	Dr AUDLEY, Michael	
[144] Results from final-stage lab commissioning of a continuous 100-mK helium light cryogenic platform for MUSCAT	Dr BRIEN, Tom	
[409] Progress on a KID-Based Phonon-Mediated Dark Matter Detector	ARALIS, Taylor	
[165] Progress Report on the Large Scale Polarization Explorer.	LAMAGNA, Luca	

[415] Itinerant Single Microwave Photon Detection	KREIKEBAUM, John Mark	
--	-----------------------	--