

Second Workshop on Physics and Applications of Magnetic Microcalorimeters

Report of Contributions

Contribution ID: 1

Type: **not specified**

Registration

Monday, December 18, 2023 9:00 AM (30 minutes)

Contribution ID: 2

Type: **not specified**

Welcome

Monday, December 18, 2023 9:30 AM (30 minutes)

Presenters: ENSS, Christian; KEMPF, Sebastian (Institute of Micro- and Nanoelectronic Systems)

Contribution ID: 3

Type: **not specified**

Multichannel spectrometry and activity determination with reusable MMCs

Monday, December 18, 2023 10:00 AM (30 minutes)

Presenter: GÖGGMANN , Alexander (PTB)

Session Classification: Applications 1

Contribution ID: 4

Type: **not specified**

Activity measurement of Am-241 within the EMPIR Project PrimA-LTD

Monday, December 18, 2023 11:00 AM (30 minutes)

Presenter: RODRIGUES, Matias (LNHB, C.E.A. Saclay)

Session Classification: Applications 1

Contribution ID: 5

Type: **not specified**

MMCs for IAEA safeguards

Monday, December 18, 2023 11:30 AM (30 minutes)

Presenter: KIM, Geonbo (LLNL)

Session Classification: Applications 1

Contribution ID: 6

Type: **not specified**

EC measurements using MMCs

Monday, December 18, 2023 12:00 PM (30 minutes)

Presenter: LOIDL , Martin (LNHB, C.E.A. Saclay)

Session Classification: Applications 1

Contribution ID: 7

Type: **not specified**

Magnetic 1/f-noise of dilute Au:Er and Ag:Er alloys measured with the noise-o-meter

Monday, December 18, 2023 2:00 PM (30 minutes)

Session Classification: Sensor physics and readout

Contribution ID: 8

Type: **not specified**

Topics related to I-SQUID development

Monday, December 18, 2023 2:30 PM (30 minutes)

Presenter: SCHUSTER, Constantin (KIT-IMS)

Session Classification: Sensor physics and readout

Contribution ID: 9

Type: **not specified**

ADC and linearity

Monday, December 18, 2023 3:30 PM (30 minutes)

Session Classification: Sensor physics and readout

Contribution ID: **10**

Type: **not specified**

Large-scale magnetic microcalorimeter: modeling and multiplexing

Monday, December 18, 2023 4:00 PM (30 minutes)

Presenter: YOON, Wonsik (NASA GSFC)

Session Classification: Sensor physics and readout

Contribution ID: **11**

Type: **not specified**

Challenges related to microwave SQUID multiplexing of MMCs

Monday, December 18, 2023 4:30 PM (30 minutes)

Presenter: NEIDIG, Martin (KIT-IMS)

Session Classification: Sensor physics and readout

Contribution ID: 12

Type: **not specified**

General discussion about MMC readout and SQUID development

Monday, December 18, 2023 5:00 PM (30 minutes)

Session Classification: Sensor physics and readout

Contribution ID: 13

Type: **not specified**

Discussion about Future MMC workshops / Regular ZOOM calls

Monday, December 18, 2023 5:30 PM (30 minutes)

Presenter: KEMPF, Sebastian (Institute of Micro- and Nanoelectronic Systems)

Contribution ID: 14

Type: **not specified**

AMoRE project and sensors

Tuesday, December 19, 2023 9:00 AM (30 minutes)

Presenter: JEON, Jina (IBS-CUP)

Session Classification: Application 2

Contribution ID: 15

Type: **not specified**

MMC application in astroparticle physics

Tuesday, December 19, 2023 9:30 AM (30 minutes)

Presenter: KIM, Yong-Hamb (IBS-CUP)

Session Classification: Application 2

Contribution ID: 16

Type: **not specified**

Low-background X-ray detectors setups for (Baby-)IAXO

Tuesday, December 19, 2023 10:00 AM (30 minutes)

Presenter: LOIDL, Martin (LNHB, C.E.A. Saclay)

Session Classification: Application 2

Contribution ID: 17

Type: **not specified**

General discussion about MMC applications

Tuesday, December 19, 2023 11:00 AM (1 hour)

Session Classification: Application 2

Contribution ID: **18**

Type: **not specified**

Extend lunch and/or general discussions

Tuesday, December 19, 2023 12:00 PM (30 minutes)

Session Classification: Application 2

Contribution ID: **19**

Type: **not specified**

MOCCA - A 4k-pixel microcalorimeter detector for CSR

Tuesday, December 19, 2023 2:00 PM (30 minutes)

Session Classification: Detector design and fabrication

Contribution ID: 20

Type: **not specified**

Thermal links and position resolution in multi-absorber hydra microcalorimeters

Tuesday, December 19, 2023 2:30 PM (30 minutes)

Presenter: STEVENSON, Thomas (NASA GSFC)

Session Classification: Detector design and fabrication

Contribution ID: 21

Type: **not specified**

Center for High-resolution Superconducting Sensors

Tuesday, December 19, 2023 3:30 PM (30 minutes)

Presenter: WEGNER, Mathias

Session Classification: Detector design and fabrication

Contribution ID: 22

Type: **not specified**

Advances in Fabrication of Large-Scale Magnetic Microcalorimeter Arrays

Tuesday, December 19, 2023 4:00 PM (30 minutes)

Presenter: DEVASIA, Archana (NASA GSFC)

Session Classification: Detector design and fabrication

Contribution ID: 23

Type: **not specified**

Superconducting vertical interconnects

Tuesday, December 19, 2023 4:30 PM (30 minutes)

Presenter: KEMPF, Sebastian (Institute of Micro- and Nanoelectronic Systems)

Session Classification: Detector design and fabrication

Contribution ID: 24

Type: **not specified**

Aspects related to microfabrication of MMCs

Tuesday, December 19, 2023 5:00 PM (30 minutes)

Session Classification: Detector design and fabrication

Contribution ID: 25

Type: **not specified**

Closing

Tuesday, December 19, 2023 5:30 PM (30 minutes)

Presenter: KEMPF, Sebastian (Institute of Micro- and Nanoelectronic Systems)