

**Microwave Kinetic Inductance  
Detectors and Cosmology:  
Scientific Motivation, Recent  
Achievements and Planned  
Experiments**

**Report of Contributions**

Contribution ID: 0

Type: **not specified**

## Welcome / Motivation

*Monday, 26 August 2013 09:00 (30 minutes)*

**Presenter:** GUTIERREZ, Gaston (Fermilab)

**Session Classification:** Session 1 - Overview about MKIDs: motivation, challenges, potential

Contribution ID: 1

Type: **not specified**

## **Intro to MKIDs**

*Monday, 26 August 2013 09:30 (30 minutes)*

**Presenter:** MEEKER, Seth (UCSB)

**Session Classification:** Session 1 - Overview about MKIDs: motivation, challenges, potential

Contribution ID: 2

Type: **not specified**

## Data analysis experience

*Monday, 26 August 2013 10:00 (30 minutes)*

**Presenter:** STOUGHTON, Chris (Fermilab)

**Session Classification:** Session 1 - Overview about MKIDs: motivation, challenges, potential

Contribution ID: 3

Type: **not specified**

## **Synergy with DES/LSST**

*Monday, 26 August 2013 11:00 (20 minutes)*

**Presenter:** ANNIS, James (Fermilab)

**Session Classification:** Session 2 - MKIDs and galaxy surveys

Contribution ID: 4

Type: **not specified**

## **MKIDs for UVOIR Astrophysics**

*Monday, 26 August 2013 14:30 (1 hour)*

**Presenter:** MAZIN, Ben (UCSB)

**Session Classification:** Session 2 - cont.

Contribution ID: 5

Type: **not specified**

## Improving photoz's with MKIDs

*Monday, 26 August 2013 11:20 (20 minutes)*

**Presenter:** STEBBINS, Albert (Fermilab)

**Session Classification:** Session 2 - MKIDs and galaxy surveys

Contribution ID: 6

Type: **not specified**

## **MKIDs camera for the SOAR 4m telescope**

*Monday, 26 August 2013 11:40 (20 minutes)*

**Presenter:** ESTRADA, Juan (Fermilab)

**Session Classification:** Session 2 - MKIDs and galaxy surveys



Contribution ID: 7

Type: **not specified**

## **X-ray MKIDs at Argonne**

*Monday, 26 August 2013 16:00 (30 minutes)*

**Presenter:** QUARANTA, Orlando (ANL)

**Session Classification:** Session 3 - Status of R&D efforts

Contribution ID: 8

Type: **not specified**

## **A two-side-butable design concept**

*Monday, 26 August 2013 16:30 (15 minutes)*

**Presenter:** DERYLO, Greg (Fermilab)

**Session Classification:** Session 3 - Status of R&D efforts

Contribution ID: 9

Type: **not specified**

## **Readout system for large MKID arrays**

*Monday, 26 August 2013 16:45 (15 minutes)*

**Presenter:** CANCELO, Gustavo (Fermilab)

**Session Classification:** Session 3 - Status of R&D efforts

Contribution ID: **10**

Type: **not specified**

## **Search for Cosmic Background Neutrino Decay with STJ detectors**

*Tuesday, 27 August 2013 13:50 (20 minutes)*

**Presenter:** TAKEUCHI, Yuji (Tsukuba)

**Session Classification:** Sesssion 6 - Other applications of MKIDs

Contribution ID: 11

Type: **not specified**

## **Dark Matter searches with MKIDs**

*Tuesday, 27 August 2013 13:30 (20 minutes)*

**Presenter:** ESSIG, Rouven (Stony Brook University)

**Session Classification:** Sesssion 6 - Other applications of MKIDs

Contribution ID: 12

Type: **not specified**

## Discussion

*Monday, 26 August 2013 12:20 (40 minutes)*

**Session Classification:** Session 2 - MKIDs and galaxy surveys

Contribution ID: 14

Type: **not specified**

## **MKIDs co-observing Fast Radio Bursts**

*Tuesday, 27 August 2013 11:20 (20 minutes)*

**Presenter:** STEBBINS, Albert (Fermilab)

**Session Classification:** Session 5 - MKIDs and time domain surveys

Contribution ID: 15

Type: **not specified**

## Observing SNe with MKIDs

*Tuesday, 27 August 2013 11:00 (20 minutes)*

**Presenter:** SOARES-SANTOS, Marcelle (Fermilab)

**Session Classification:** Session 5 - MKIDs and time domain surveys



Contribution ID: 16

Type: **not specified**

## **Status of R&D effort at UCSB**

*Monday, 26 August 2013 17:00 (30 minutes)*

**Presenter:** SZYPRYT, Paul (UCSB)

**Session Classification:** Session 3 - Status of R&D efforts

Contribution ID: 17

Type: **not specified**

## **MKIDs in the UK: status and plans for time resolved studies on Black-hole X-ray binaries**

*Tuesday, 27 August 2013 11:40 (20 minutes)*

**Presenter:** O'BRIEN, Kieran (Oxford)

**Session Classification:** Session 5 - MKIDs and time domain surveys

Contribution ID: **18**

Type: **not specified**

## Discussion

*Tuesday, 27 August 2013 12:00 (30 minutes)*

**Presenter:** Dr DODELSON, Scott (Fermilab)

**Session Classification:** Session 5 - MKIDs and time domain surveys

Contribution ID: 20

Type: **not specified**

## Simulations for MKIDs Surveys

*Monday, 26 August 2013 12:00 (20 minutes)*

**Presenter:** NORD, Brian (Fermilab)

**Session Classification:** Session 2 - MKIDs and galaxy surveys

Contribution ID: 21

Type: **not specified**

## MKIDs and CMB

*Tuesday, 27 August 2013 14:10 (20 minutes)*

**Presenter:** CHANG, Clarence (University of Chicago)

**Session Classification:** Sesssion 6 - Other applications of MKIDs

Contribution ID: 22

Type: **not specified**

## Discussion

*Tuesday, 27 August 2013 14:30 (1 hour)*

**Session Classification:** Sesssion 6 - Other applications of MKIDs

Contribution ID: 23

Type: **not specified**

## Summary

*Tuesday, 27 August 2013 16:00 (1 hour)*

**Presenter:** ESTRADA, Juan (Fermilab)

**Session Classification:** Session 7 - Closeout discussion: next steps

Contribution ID: 24

Type: **not specified**

## Discussion

*Tuesday, 27 August 2013 17:00 (30 minutes)*

**Session Classification:** Session 7 - Closeout discussion: next steps