

## **Session Program**

**July 29, 2019 to August 2, 2019**



# **2019 Meeting of the Division of Particles & Fields of the American Physical Society**

## ***Astroparticles & CMB***

Northeastern University  
Northeastern University, Boston MA Physics Department, 110 Forsyth St., Boston MA 02115 US

## Tue, July 30

2:00 PM

### Astroparticles & CMB

**Session** | **Location:** Northeastern University, West Village G 106 | **Conveners:**  
Laura Newburgh, Kerstin Perez, Lindsey Bleem

3:30 PM

4:00 PM

### Astroparticles & CMB

**Session** | **Location:** Northeastern University, West Village G 106 | **Conveners:**  
Lindsey Bleem, Laura Newburgh, Kerstin Perez

16:00 - 16:20

#### Status and Science Goals of the Simons Array

##### Speaker

Dr Kevin T. Crowley

16:20 - 16:40

#### BICEP/Keck: Constraining the primordial gravitational-wave signal with CMB polarization observations from the South Pole

##### Speaker

Dr Marion Dierickx

16:40 - 17:00

#### Status and Science from the SPT-3G Cosmic Microwave Background Receiver

##### Speaker

Mr Zhaodi Pan

17:00 - 17:20

#### A Bayesian approach for detecting Isotropy violation in the CMB sky

##### Speaker

SANTANU DAS

17:20 - 17:40

#### Constraining Cosmology with Galaxy Clusters Discovered by the South Pole Telescope

##### Speaker

Lindsey Bleem

17:40 - 18:00

#### Improving Constraints on Fundamental Physics Parameters with the Clustering of Sunyaev-Zeldovich Selected Galaxy Clusters

##### Speaker

Dylan Cromer

6:00 PM

## Wed, July 31

2:00 PM

### Astroparticles & CMB

**Session** | **Location:** Northeastern University, West Village G 106 | **Conveners:**  
Lindsey Bleem, Kerstin Perez, Laura Newburgh

14:00 - 14:20

#### Inverse Compton emission from millisecond pulsars in the Galactic bulge

**Speaker**

Deheng Song

14:20 - 14:40

#### Towards Understanding the Origin of Cosmic-Ray Positrons and Electrons

**Speaker**

Zhili Weng

14:40 - 15:00

#### Antiproton Flux and Properties of Elementary Particle Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the ISS

**Speaker**

Zhili Weng

15:00 - 15:20

#### Properties of cosmic-ray primary nuclei by AMS on ISS

**Speaker**

Qi Yan

3:30 PM

4:00 PM

### Astroparticles & CMB

**Session** | **Location:** Northeastern University, West Village G 106 | **Conveners:**  
Laura Newburgh, Kerstin Perez, Lindsey Bleem

16:00 - 16:20

#### Properties of secondary cosmic-ray nuclei by AMS on ISS

**Speakers**

Yi Jia, Xiaoting Qin

16:20 - 16:40

#### Cosmic Ray Isotopes measured by AMS

**Speaker**

Francesco Dimiccoli

16:40 - 17:00

#### Anisotropy of Elementary Particle Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the ISS

**Speaker**

Miguel Molero Gonzalez

17:00 - 17:20

#### Observation of Complex Time Structures in the Cosmic Ray Fluxes by the Alpha Magnetic Spectrometer on the ISS

**Speaker**

Davide Rozza

6:05 PM