

**TACOS 2024 @ UT Austin**

# **Report of Contributions**

Contribution ID: 3

Type: **not specified**

## Opening remarks

*Monday 28 October 2024 09:00 (10 minutes)*

**Presenters:** Prof. BODDY, Kimberly (University of Texas at Austin); FREESE, Katherine (University of Texas at Austin)

**Session Classification:** Monday Session

Contribution ID: 4

Type: **not specified**

# **Cosmic Microwave Background foregrounds and other problems that might be opportunities**

*Monday 28 October 2024 09:10 (30 minutes)*

**Presenter:** HUFFENBERGER, Kevin (Texas A&M University)

**Session Classification:** Monday Session

Contribution ID: 5

Type: **not specified**

# The Frontier of Gravitational Lensing of the Cosmic Microwave Background

*Monday 28 October 2024 09:40 (20 minutes)*

**Presenter:** CHAN, Victor (Southern Methodist University)

**Session Classification:** Monday Session

Contribution ID: 6

Type: **not specified**

## Talkitos

*Monday 28 October 2024 10:20 (10 minutes)*

**Session Classification:** Monday Session

Contribution ID: 7

Type: **not specified**

## **Latest results from the Hobby-Eberly Telescope Dark Energy Experiment**

*Monday 28 October 2024 11:10 (30 minutes)*

**Presenter:** GEBHARDT, Karl (University of Texas at Austin)

**Session Classification:** Monday Session

Contribution ID: 8

Type: **not specified**

# **The First Billion Years: Formation of the First Stars, Galaxies and Black Holes**

*Monday 28 October 2024 11:40 (30 minutes)*

**Presenter:** BROMM, Volker (University of Texas at Austin)

**Session Classification:** Monday Session

Contribution ID: **10**

Type: **not specified**

## Year 1 Results from DESI

*Monday 28 October 2024 13:50 (30 minutes)*

**Presenter:** KEHOE, Robert (Southern Methodist University (US))

**Session Classification:** Monday Session



Contribution ID: 11

Type: **not specified**

## Free Streaming in Modified Cosmic History

*Monday 28 October 2024 14:20 (20 minutes)*

**Presenter:** VENEGAS, Moira (Rice University)

**Session Classification:** Monday Session

Contribution ID: 12

Type: **not specified**

## **Cosmological profile likelihood constraints on dark matter scattering with protons**

*Monday 28 October 2024 16:10 (20 minutes)*

**Presenter:** STRAIGHT, Maria (University of Texas at Austin)

**Session Classification:** Monday Session

Contribution ID: **13**

Type: **not specified**

## Talkitos

*Monday 28 October 2024 14:40 (20 minutes)*

**Session Classification:** Monday Session

Contribution ID: 14

Type: **not specified**

## **Cosmology with Galaxy Clusters: Going Beyond Mass Calibration**

*Monday 28 October 2024 15:40 (30 minutes)*

**Presenter:** WU, Heidi (Southern Methodist University)

**Session Classification:** Monday Session

Contribution ID: 15

Type: **not specified**

## **Self-Interacting Dark Matter Substructures: A Tale of Diversity and More**

*Monday 28 October 2024 16:30 (20 minutes)*

**Presenter:** ZENG, Carton (Texas A&M University)

**Session Classification:** Monday Session

Contribution ID: 16

Type: **not specified**

## **Metronome timing array (a metronome-microphone demo of a pulsar timing array)**

*Monday 28 October 2024 17:30 (30 minutes)*

**Presenter:** ROMANO, Joe (University of Texas Rio Grande Valley)

**Session Classification:** Monday Session

Contribution ID: 17

Type: **not specified**

# Gravitational Waves from Chiral Plasma Instability in Standard Cosmology

*Monday 28 October 2024 18:00 (30 minutes)*

**Presenter:** LONG, Andrew (Rice University)

**Session Classification:** Monday Session

Contribution ID: **18**

Type: **not specified**

## **Some Phenomenological Aspects of Primordial Black Holes**

*Tuesday 29 October 2024 09:00 (30 minutes)*

**Presenter:** DENT, James (Sam Houston State University)

**Session Classification:** Tuesday Session



Contribution ID: 19

Type: **not specified**

## **A comprehensive analysis of supernova neutrino-dark matter interactions**

*Tuesday 29 October 2024 09:30 (20 minutes)*

**Presenter:** Dr SATHYAN, Deepak (Texas A&M University)

**Session Classification:** Tuesday Session

Contribution ID: 20

Type: **not specified**

# Thermonuclear runaways and their effects on relativistic jets

*Tuesday 29 October 2024 09:50 (30 minutes)*

**Presenter:** MACCARONE, Tom (Texas Tech University)

**Session Classification:** Tuesday Session

Contribution ID: 21

Type: **not specified**

# Tides in Coalescing Neutron Star Binaries

*Tuesday 29 October 2024 11:00 (30 minutes)*

**Presenter:** WEINBERG, Nevin (University of Texas at Arlington)

**Session Classification:** Tuesday Session

Contribution ID: 22

Type: **not specified**

## Free-streaming neutrinos in the CMB power spectra

*Tuesday 29 October 2024 11:30 (20 minutes)*

**Presenter:** MONTEFALCONE, Gab (University of Texas at Austin)

**Session Classification:** Tuesday Session

Contribution ID: 23

Type: **not specified**

# Cosmological LIMits from Line-Intensity Mapping

*Tuesday 29 October 2024 11:50 (30 minutes)*

**Presenter:** KOVETZ, Ely (Ben-Gurion University)

**Session Classification:** Tuesday Session

Contribution ID: 24

Type: **not specified**

## **Cosmological case study of a tower of neutrino states**

*Monday 28 October 2024 10:00 (20 minutes)*

**Presenter:** Dr GHOSH, Subhajit (The University of Texas at Austin)

**Session Classification:** Monday Session

Contribution ID: 25

Type: **not specified**

## Talkitos

*Monday 28 October 2024 12:10 (10 minutes)*

**Session Classification:** Monday Session

Contribution ID: 26

Type: **not specified**

## Talkitos

*Monday 28 October 2024 16:50 (10 minutes)*

**Session Classification:** Monday Session



Contribution ID: 27

Type: **not specified**

## Talkitos

*Monday 28 October 2024 18:30 (10 minutes)*

**Session Classification:** Monday Session