

TACOS 2025 @ SHSU

Report of Contributions

Contribution ID: 1

Type: **not specified**

Dark matter physics from our local galactic neighborhood

Monday 13 October 2025 15:50 (30 minutes)

Speaker: Francis-Yan Cyr-Racine (University of New Mexico)

Contribution ID: 2

Type: **not specified**

Searching for ultraheavy dark matter using mechanical sensors

Monday 13 October 2025 16:20 (20 minutes)

Speaker: Juehang Qin (<small>Rice University</small>)

Contribution ID: 3

Type: **not specified**

Probing the meV QCD Axion with the SQWARE Quantum Semiconductor Haloscope

Monday 13 October 2025 16:40 (20 minutes)

Speaker: Jaanita Mehrani (<small>Rice University</small>)

Contribution ID: 4

Type: **not specified**

Talkitos

Monday 13 October 2025 10:20 (10 minutes)

Contribution ID: 5

Type: **not specified**

Learning clustering in Plato's cave

Monday 13 October 2025 11:20 (30 minutes)

Speaker: Alvise Raccanelli (<small>Università degli Studi di Padova</small>)

Contribution ID: 6

Type: **not specified**

TBD

Monday 13 October 2025 11:50 (20 minutes)

Speaker: Brandon Curd (<small>The University of Texas at San Antonio</small>)

Contribution ID: 7

Type: **not specified**

Talkitos

Monday 13 October 2025 11:10 (10 minutes)

Contribution ID: 8

Type: **not specified**

Physics & Chemistry of the Baryon Cycle: Linking Massive Galaxies and Their Gas

Monday 13 October 2025 14:10 (30 minutes)

Speaker: Fakhri Zahedy (<small>University of North Texas</small>)

Contribution ID: 9

Type: **not specified**

COMAP × LOFAR: Forecasting the Cross-Correlation between CO(2–1) and 21-cm Lines during Reionization

Monday 13 October 2025 14:40 (20 minutes)

Speaker: Jianrong Tan (<small>Southern Methodist University</small>)

Contribution ID: **10**

Type: **not specified**

Talkitos

Monday 13 October 2025 12:10 (10 minutes)

Contribution ID: 11

Type: **not specified**

Dark matter and cosmology from JWST

Monday 13 October 2025 09:10 (30 minutes)

Speaker: Julian B. Muñoz (<small>The University of Texas at Austin</small>)

Contribution ID: 12

Type: **not specified**

Halo bias in simulations at high redshifts

Monday 13 October 2025 09:40 (20 minutes)

Speaker: Kuan Wang (<small>The University of Texas at Austin</small>)

Contribution ID: 13

Type: **not specified**

Galaxy-Halo connection modelling –Producing high-fidelity lightcones for DESI

Monday 13 October 2025 10:00 (20 minutes)

Speaker: Vaisakh Rajeev (<small>Southern Methodist University</small>)

Contribution ID: **14**

Type: **not specified**

Talkitos

Monday 13 October 2025 15:00 (10 minutes)

Contribution ID: 15

Type: **not specified**

Constraints on Hubble Tension Alleviation Through Black Hole Superradiance

Monday 13 October 2025 17:40 (20 minutes)

Speaker: Iain Bisset (<small>Texas A&M University</small>)

Contribution ID: 16

Type: **not specified**

Results from the Cosmic Dawn (CoDa) III Simulation: Inhomogeneous Reionization and Chemical Enrichment with Observational Signatures

Monday 13 October 2025 18:00 (20 minutes)

Speaker: Joohyun Lee (<small>The University of Texas at Austin</small>)

Contribution ID: 17

Type: **not specified**

Talkitos

Monday 13 October 2025 17:00 (10 minutes)

Contribution ID: **18**

Type: **not specified**

No Nus is Good News

Tuesday 14 October 2025 09:10 (30 minutes)

Presenter: MEYERS, Joel (Southern Methodist University)

Contribution ID: 19

Type: **not specified**

Intrinsic Alignments of Galaxies: A Systematic Effect for Weak Lensing Analysis but A Treasure Trove for Structure Formation

Tuesday 14 October 2025 09:40 (20 minutes)

Speaker: Avijit Bera (<small>The University of Texas at Dallas</small>)

Contribution ID: 20

Type: **not specified**

On the Orbital History of the Milky Way and M31

Tuesday 14 October 2025 10:00 (20 minutes)

Speaker: Odelia Hartl (<small>Texas A&M University</small>)

Contribution ID: 21

Type: **not specified**

An Alcock-Paczynski test to measure cosmology from reionization bubbles

Tuesday 14 October 2025 11:00 (20 minutes)

Speaker: Emilie Thelie (<small>The University of Texas at Austin</small>)

Contribution ID: 22

Type: **not specified**

Shedding Light on the KM3NeT Event: A Dark Matter Effect

Tuesday 14 October 2025 11:20 (20 minutes)

Speaker: Aparajitha Karthikeyan (<small>Texas A&M University</small>)

Contribution ID: 23

Type: **not specified**

The Sun through a neutrino lens

Tuesday 14 October 2025 11:40 (30 minutes)

Speaker: Kevin Kelly (<small>Texas A&M University</small>)

Contribution ID: 24

Type: **not specified**

Talkitos

Monday 13 October 2025 14:00 (10 minutes)