

# **Dynamical Tracers of the Nature of Dark Matter**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

**TBD**

*Tuesday 18 February 2025 10:00 (30 minutes)*

**Presenter:** ZAVALA, Jesús

Contribution ID: 2

Type: **not specified**

# Dark matter density profiles on galactic and sub-galactic scales

*Tuesday 18 February 2025 10:30 (30 minutes)*

**Presenter:** HAYASHI, Kohei

Contribution ID: 3

Type: **not specified**

## Gravitational dynamical probes of the nature of dark matter in galaxies

*Tuesday 18 February 2025 11:00 (30 minutes)*

The hypothesis of dark matter was introduced to address observations associated with gravitational dynamics in cosmology and in galaxies. It seems natural to seek new observables that could shed light on dark matter within the same ballpark of minimal gravitational interactions, in dark matter-dominated systems. I will discuss some attempts of this type focusing on galaxies, and covering lines of research including gravitational lensing, stellar kinematics, and globular cluster dynamics.

**Presenter:** BLUM, Kfir

Contribution ID: 4

Type: **not specified**

## OPEN DISCUSSION

*Tuesday 18 February 2025 11:30 (30 minutes)*

Questions for the speakers, comments, suggestions, perspectives....

Contribution ID: 5

Type: **not specified**

## **What Can Dwarf Galaxies Reveal about the Nature of Dark Matter**

*Wednesday 19 February 2025 16:00 (30 minutes)*

**Presenter:** NADLER, Ethan O.

Contribution ID: 6

Type: **not specified**

## **Motivations for self-interacting dark matter and its viable signatures**

*Wednesday 19 February 2025 16:30 (30 minutes)*

**Presenter:** KAPLINGHAT, Manoj

Contribution ID: 7

Type: **not specified**

**TBD**

*Wednesday 19 February 2025 17:00 (30 minutes)*

**Presenter:** HAHN, Oliver



Contribution ID: **8**

Type: **not specified**

## **OPEN DISCUSSION**

*Wednesday 19 February 2025 17:30 (30 minutes)*