

Simulation-based inference with Swyft



Report of Contributions

Contribution ID: 4

Type: **not specified**

Analysing stellar streams with Swyft

Tuesday, 24 January 2023 11:40 (25 minutes)

Presenter: ALVEY, James (University of Amsterdam)

Session Classification: Existing applications

Contribution ID: 5

Type: **not specified**

Swyft for Cosmological N-body simulations

Tuesday, 24 January 2023 12:05 (25 minutes)

Presenter: DIMITRIOU, Androniki (IFIC, Valencia)

Session Classification: Existing applications

Contribution ID: 6

Type: **not specified**

SN Ia cosmology with TMNRE

Wednesday, 25 January 2023 12:05 (25 minutes)

Presenter: KARCHEV, Konstantin (SISSA / GRAPPA)

Session Classification: Existing applications

Contribution ID: 7

Type: **not specified**

GW parameter inference with Swyft

Tuesday, 24 January 2023 16:10 (25 minutes)

Presenter: BHARDWAJ, Uddipta (GRAPPA, University of Amsterdam)

Session Classification: Existing applications

Contribution ID: 8

Type: **not specified**

Studying strong lensing images with Swyft

Tuesday, 24 January 2023 14:50 (25 minutes)

Presenter: ANAU MONTEL, Noemi (GRAPPA)

Session Classification: Existing applications

Contribution ID: 9

Type: **not specified**

High-dimensional nested sampling

Thursday, 26 January 2023 09:00 (25 minutes)

Presenter: HANDLEY, Will (University Of Cambridge)

Session Classification: Method session

Contribution ID: 10

Type: **not specified**

High-dimensional prior truncation

Thursday, 26 January 2023 09:25 (25 minutes)

Presenter: SCHEUTWINKEL, Kilian (University of Cambridge)

Session Classification: Method session

Contribution ID: 11

Type: **not specified**

Millisecond pulsars in globular clusters

Wednesday, 25 January 2023 14:25 (25 minutes)

Presenter: BERTEAUD, Joanna (LAPTh (CNRS/USMB))

Session Classification: New applications

Contribution ID: 12

Type: **not specified**

Dissecting the Galactic and extragalactic GeV gamma-ray sky with simulation-based inference

Wednesday, 25 January 2023 14:50 (25 minutes)

Presenter: ECKNER, Christopher (LAPP, CNRS)

Session Classification: Existing applications

Contribution ID: 13

Type: **not specified**

Diffusion models and N-body simulations

Tuesday, 24 January 2023 14:00 (25 minutes)

Presenter: CORREA, Camila (UvA)

Session Classification: Method session

Contribution ID: 15

Type: **not specified**

The future of cosmology with Euclid: hopes & challenges

Thursday, 26 January 2023 09:50 (1 hour)

Presenters: CAÑAS-HERRERA, Guadalupe (European Space Research and Technology Centre/European Space Agency); MARTINELLI, Matteo (INAF - Osservatorio Astronomico di Roma); ILIC, Stéphane (IJ-CLab, Orsay, France)

Session Classification: New applications

Contribution ID: 16

Type: **not specified**

Analysing the Fermi Galactic Center Excess with Machine Learning

Wednesday, 25 January 2023 14:00 (25 minutes)

Presenter: LIST, Florian (University of Vienna)

Session Classification: New applications

Contribution ID: 17

Type: **not specified**

Simulation-based inference for axions at colliders

Wednesday, 25 January 2023 15:45 (25 minutes)

Presenter: MORANDINI, Alessandro (KIT, IAP)

Session Classification: New applications

Contribution ID: **18**

Type: **not specified**

Shedding light on low-mass subhalo survival and annihilation luminosity with numerical simulations

Tuesday, 24 January 2023 15:45 (25 minutes)

Presenter: AGUIRRE-SANTAELLA, Alejandra (Instituto de Física Teórica UAM-CSIC)

Session Classification: New applications

Contribution ID: 21

Type: **not specified**

An overview of Simulation-based Inference methods and software

Wednesday, 25 January 2023 11:40 (25 minutes)

Presenter: MILLER, Benjamin (University of Amsterdam)

Session Classification: Method session

Contribution ID: 25

Type: **not specified**

Current Nested Sampling methods for Gravitational Lens Modelling

Tuesday, 24 January 2023 14:25 (25 minutes)

Presenter: LANGE, Samuel (Durham University)

Session Classification: New applications