

Session Program

Oct 28 - 30, 2024

**Colloque national Action Dark Energy 2024 - 8ème
édition**

Présentations

Institut Henri Poincaré, Amphithéâtre Hermite
11 rue Pierre et Marie Curie, 75005 Paris accès : http://www.ihp.fr/fr/guide_pratique

Mon, October 28

2:00 PM

Présentations

Session |

Location: Institut Henri Poincaré, Amphithéâtre Hermite , 11 rue Pierre et Marie Curie, 75005 Paris accès : http://www.ihp.fr/fr/guide_pratique

2:00 – 2:30 PM **UNIONS/CFIS**

Speaker

Fabian Hervas Peters

2:30 – 2:50 PM

Precise Weak-Lensing Cosmology with imprecise redshifts: Euclid preparation and DES 'finalisation'

Speaker

William D'Assignies Doumerg

2:50 – 3:10 PM

COMoving Computer Acceleration (COCA): N-body simulations in an emulated frame of reference

Speaker

Florent Leclercq

3:10 – 3:40 PM **The ZTF SN Ia DR2 sample**

Speaker

Madeleine Ginolin

3:40 – 4:00 PM **Modified gravity interpretation of the evolving dark energy in light of DESI data**

Speaker

Anton Chudaykin

4:00 PM

4:30 PM

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4:30 – 5:00 PM **J-PAS**

Speaker

Carlos Hernandez-Monteagudo

5:00 – 5:20 PM **Density-split for the DESI BGS**

Speaker

Simon Bouchard

5:20 – 5:40 PM **Euclid preparation: simulations and non-linearities beyond LCDM**

Speaker

Michel-Andrès Breton

6:00 PM

Tue, October 29

9:00 AM

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9:30 – 10:00 AM **DESI**

Speaker

Arnaud de Mattia

10:00 – 10:30 AM **EUCLID**

Speaker

Dr Sandrine Pires

10:30 AM

11:00 AM

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11:00 – 11:30 AM **Quantum algorithm for collisionless Boltzmann simulation of self-gravitating systems**

Speaker

Prof. Naoki Yoshida

11:30 – 11:50 AM

Going beyond FLRW in an inhomogeneous Universe: the Szekeres exact solution of GR

Speaker

Dr Marie-Noëlle Célérier

11:50 AM – 12:10 PM **Validation of the Euclid Cluster Catalogue with external data**

Speaker

Anaïs Widmer

12:30 PM

2:00 PM

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2:00 – 2:30 PM **ARRAKIHS: The New ESA F-Class Mission to Investigate the Nature of Dark Matter**

Speaker

Rafael Guzman

2:30 – 2:50 PM **A Non-Gaussian Universe?**

Speaker

Clément Stahl

2:50 – 3:10 PM **Impact of clusters' connectivity on their evolution and gas accretion**

Speaker

Céline Gouin

3:10 – 3:30 PM

Impact of the galaxy cluster environment on the stretch distribution of type-Ia supernovae with ZTF

	<p>Speaker Florian Ruppin</p>
	<p>3:30 – 4:00 PM Moving to exa-scale - challenges to (large) cosmological simulations</p>
4:00 PM	<p>Speaker Corentin Cadiou</p>
4:30 PM	<p>Présentations</p> <p>Session </p> <p>Location: Institut Henri Poincaré, Amphithéâtre Hermite , 11 rue Pierre et Marie Curie, 75005 Paris accès : http://www.ihp.fr/fr/guide_pratique</p>
	<p>4:30 – 4:50 PM</p> <p>Lemaître : An independent measurement of the dark energy equation of state from a new set of SNeIa : Dataset and Lightcurve model</p> <p>Speaker Mahmoud Ahmed Emam Osman</p>
	<p>4:50 – 5:10 PM</p> <p>Toward an Independent Measurement of Dark Energy's Equation of State from a Novel Set of SNeIa: Cosmological Inference in LEMAITRE</p> <p>Speaker Dylan KUHN</p>
	<p>5:10 – 5:30 PM</p> <p>Impact of the errors induced by the Halo Mass Function mapping at different masses definitions on cosmological parameters constraints.</p> <p>Speaker Théo Gayoux</p>
	<p>5:30 – 5:50 PM Update on the ω_m tension.</p> <p>Speaker ALAIN BLANCHARD</p>
5:50 PM	

Wed, October 30

9:00 AM

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9:00 – 9:30 AM **eROSITA**

Speaker

Nicolas Clerc

9:30 – 10:00 AM **Spec-S5: exploring the $2 < z < 4.5$ Universe**

Speaker

Anand Raichoor

10:00 – 10:30 AM **WST**

Speaker

Christophe Yèche

10:30 AM

11:00 AM

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11:00 – 11:20 AM **Precision cosmology with LSST: Development of an unbiased cosmic shear estimator**

Speaker

Enya Van den Abeele

11:20 – 11:40 AM **Study of cosmic expansion anisotropy with type Ia supernovae from ZTF.**

Speaker

Chloé Barjou-Delayre

11:40 AM – 12:00 PM

Reevaluating the cosmological redshift: insights into inhomogeneities and irreversible processes

Speaker

Dr Pascal Tremblin

12:00 – 12:20 PM

Type Ia supernova spectrophotometric standardisation and application to the ZTF spectra sample

Speaker

CONSTANCE GANOT

12:20 – 12:40 PM **ZTF SN Ia DR2: Exploring SN Ia properties in the vicinity of under-dense environments**

Speaker

Marie Aubert

12:40 PM