

Relativistic Effects and Novel Observables in Cosmology

Tuesday 09 July 2024

Invited talks - Sciences II/0-A 150 - Tingry Auditorium (09:10-10:40)

-Conveners: Camille Bonvin		
time	[id] title	presenter
09:10	[58] Testing General Relativity with cosmological large scale structure observations	DURRER, Ruth
09:40	[69] Gravitational Redshift of Galaxies in Clusters	LAHAV, Ofer
10:10	[73] Predicting relativistic effects and constraining local Primordial Non-Gaussianities with galaxy surveys: a few lessons learnt	CASTORINA, Emanuele

Invited talks - Sciences II/0-A 150 - Tingry Auditorium (14:00-15:30)

-Conveners: Stefano Camera		
time	[id] title	presenter
14:00	[63] Novel biases in standard weak lensing and galaxy clustering analyses	HALL, Alex
14:30	[70] First measurement of the Weyl potential evolution from DES Y3 data	TUTUSAUS, Isaac
15:00	[59] Cosmic shear with Einstein rings	LARENA, Julien

Wednesday 10 July 2024

Invited talks - Sciences II/0-A 150 - Tingry Auditorium (09:00-10:30)

-Conveners: Nastassia Grimm		
time	[id] title	presenter
09:00	[71] New observables in large-scale structure	BACON, David
09:30	[64] The many faces of scalar-tensor perturbation mixing in Cosmology	MATARRESE, Sabino
10:00	[57] Covariant Cosmography with the Expansion Rate Fluctuations Field	MARINONI, Christian

Invited talks - Sciences II/0-A 150 - Tingry Auditorium (14:00-16:00)

-Conveners: Julien Carron		
time	[id] title	presenter
14:00	[55] The ESA Euclid mission: status and outlook	KUNZ, Martin
14:30	[68] The bispectrum of peculiar velocities.	CAMERA, Stefano
15:00	[66] Toward Robust Measurements of Relativistic Effects in Galaxy Clustering with DESI and Euclid	LEPORI, Francesca
15:30	[76] The Black Hole Universe and Its Connection to the Einstein-Rosen Bridge	GAZTANAGA, Enrique

Thursday 11 July 2024

Invited talks - Sciences II/0-A 150 - Tingry Auditorium (09:00-10:30)

-Conveners: Chris Clarkson

time	[id] title	presenter
09:00	[61] Monopole fluctuations in galaxy surveys	YOO, Jaiyul
09:30	[54] Cosmological Geometry and Gravity with non-linear clustering	AMENDOLA, Luca
10:00	[62] High(ish)-redshift cosmology with the Quaia quasar catalog	ALONSO, David

Invited talks - Sciences II/0-A 150 - Tingry Auditorium (14:00-15:30)

-Conveners: Martin Kunz

time	[id] title	presenter
14:00	[74] Do we understand cosmic structure growth? Insights from new CMB lensing measurements with the Atacama Cosmology Telescope	SHERWIN, Blake
14:30	[53] Spherical bispectrum expansion and quadratic estimators	CARRON, Julien
15:00	[60] How to measure lensing rotation	LEWIS, Antony

Friday 12 July 2024

Invited talks - Sciences II/0-A 150 - Tingry Auditorium (09:00-10:30)

-Conveners: José Fonseca		
time	[id] title	presenter
09:00	[65] Relativistic effects down to non-linear scales: insights from the RayGal simulations	RASERA, Yann
09:30	[75] Global cosmological anisotropy as a long wavelength perturbation	PITROU, Cyril
10:00	[72] Redshift drift as an (almost) model-independent probe of dark energy	HEINESEN, Asta