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CONFERENCE PROGRAM



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The 18th annual International Conference on Particle Physics and Cosmology (COSMO 2014) will be held in Chicago on August 25-29, 2014. The meeting is being hosted by the Kavli Institute for Cosmological Physics (KICP) at the University of Chicago, and will be held at the University of Chicago's Gleacher Center in downtown Chicago.

Plenary Speakers

Nima Arkani-Hamed
Institute for Advanced Study

Kiwoon Choi
Institute for Basic Science (IBS)

Daniel Green
CITA

Will Kinney
University at Buffalo, SUNY

Andrei Linde
Stanford University

Sarah Shandera
Pennsylvania State University

Mark Trodden
University of Pennsylvania

Laura Baudis
University of Zurich

Ryan Foley
University of Illinois, Urbana-Champaign

Catherine Heymans
University of Edinburgh

Lloyd Knox
UC Davis

Nikhil Padmanabhan
Yale University

Eva Silverstein
Stanford University

Neal Weiner
New York University

Stefano Borgani
Astronomical Observatory of Trieste

Wendy Freedman
Carnegie Observatories

Justin Khoury
University of Pennsylvania

John Kovac
Harvard University

Hiranya Peiris
University College London

Tracy Slatyer
Massachusetts Institute of Technology

International Steering Committee

Vernon Barger
University of Wisconsin-Madison

David Caldwell
Stanford University

Evalyn Gates
Cleveland Museum of Natural History

Stephen Hawking
University of Cambridge

Jihn Kim
Seoul National University

Andrei Linde
Stanford University

Hans-Peter Nilles
Physikalisches Institut der Universität Bonn

Matts Roos
University of Helsinki

Jun'ichi Yokoyama
RESCEU, The University of Tokyo

Daniel Baumann
Cambridge University

Jonathan Ellis
CERN

Ruth Gregory
Durham University

Mark Hindmarsh
University of Sussex

Rocky Kolb
University of Chicago

David Lyth
Lancaster University

Michael Ramsey-Musolf
University of Massachusetts Amherst

Leszek Roszkowski
University of Sheffield

XinMin Zhang
Institute of High Energy Physics, Chinese Academy of Sciences

John Beacom
Ohio State University

Kari Enqvist
University of Helsinki

Francis Halzen
University of Wisconsin-Madison

Stavros Katsanevas
Université Paris VII

Julien Lesgourgues
CERN

Carlos Martins
Centro de Astrofísica da Universidade do Porto

Antonio Riotto
University of Geneva

Goran Senjanovic
International Centre for Theoretical Physics

Local Organizing Committee

John Carlstrom
University of Chicago

Joshua Frieman
University of Chicago

Craig Hogan
KICP and Fermilab

Angela Olinto
University of Chicago

Abigail Vieregg
University of Chicago / KICP

Scott Dodelson
Fermilab/Chicago

Aimee Giles
KICP, University of Chicago

Daniel Holz
University of Chicago

Helen Pates
KICP, University of Chicago

Lian-Tao Wang
University of Chicago

Katherine Freese
University of Michigan

Luca Grandi
University of Chicago

Dragan Huterer
University of Michigan

Michael Turner
Kavli Institute for Cosmological Physics

CONFERENCE PROGRAM

August 25-29, 2014 @ the University of Chicago's Gleacher Center

Monday - August 25, 2014

8:15 AM	Continental Breakfast
8:45 AM - 9:00 AM	Conference Opening
9:00 AM - 12:30 PM	PLENARY SESSION <i>Chair: Abby Vieregg</i>
9:00 AM - 9:45 AM	John M Kovac, Harvard University <i>Detection of B-mode Polarization at Degree Angular Scales with BICEP2</i>
9:45 AM - 10:30 AM	Lloyd E Knox, UC Davis <i>The Marvelous Success of the Standard Cosmological Model</i>
10:30 AM - 11:00 AM	Coffee break
11:00 AM - 11:45 AM	Eva Silverstein, Stanford University <i>The structure of large-field inflation in string theory and CMB phenomenology</i>
11:45 AM - 12:30 PM	Neal Weiner, New York University <i>Dark matter overview</i>
12:30 PM - 2:00 PM	LUNCH
2:00 PM - 5:00 PM	PARALLEL SESSIONS - CMB/Large Scale Structure Room 621 <i>Chairs: Brad Benson, Walt Ogburn</i> - Dark Energy Room 300 <i>Chairs: Richard Easther, Dragan Huterer</i> - Formal/Inflation Room 200 <i>Chairs: Mustafa Amin, Amjad Ashoorion</i>
3:20 PM - 3:40 PM	Coffee break
5:00 PM - 7:00 PM	SPECIAL MEETING SESSION Room 200 Discussion of Particle Astrophysics Projects in P5 <i>Neutrinos, Dark Matter, Cosmic Acceleration, Exploration</i> Scott Dodelson, Bradford Benson, Neal Weiner, Nikhil Padmanabhan, John Kovac

Tuesday - August 26, 2014

- 8:15 AM Continental Breakfast
- 9:00 AM - 12:30 PM **PLENARY SESSION**
Chair: Dragan Huterer
- 9:00 AM - 9:45 AM Sarah Shandera, Pennsylvania State University
Non-Gaussianity and tests of inflation in a finite universe
- 9:45 AM - 10:30 AM Hiranya Peiris, University College London
Cosmological inflation: from observations to fundamental physics
- 10:30 AM - 11:00 AM Coffee break
- 11:00 AM - 11:45 AM Will Kinney, University at Buffalo, SUNY
Inflation after Planck and BICEP
- 11:45 AM - 12:30 PM Ryan Foley, University of Illinois, Urbana-Champaign
Supernova Cosmology: Successes, Challenges, and Prospects
- 12:30 PM - 2:00 PM Lunch
- 2:00 PM - 4:40 PM **PARALLEL SESSIONS**
- **CMB/Large Scale Structure Room 621**
Chairs: Silvia Galli, Clarence Chang
- **Dark Matter Room 300**
Chairs: Dan Hooper
- **Formal/Inflation Room 200**
Chairs: Amol Upadhye, Latham Boyle
- 3:20 PM - 3:40 PM Coffee break
- 5:00 PM Particle fever film "dinner & a movie"
- 5:00 PM - buses board at GLEACHER
- 5:15 PM - buses depart
- 5:45 PM - Box Dinner
- 6:30 PM - Film + discussion
- 9:00 PM - buses begin boarding for return trip to suggested hotels
- 9:15 PM - buses depart

Wednesday - August 27, 2014

- 8:15 AM Continental Breakfast
- 9:00 AM - 12:30 PM **PLENARY SESSION**
Chair: Tracy Slatyer
- 9:00 AM - 9:45 AM Nikhil Padmanabhan, Yale University
BAO
- 9:45 AM - 10:30 AM Catherine Heymans, University of Edinburgh
Gravitational lensing
- 10:30 AM - 11:00 AM Coffee break
- 11:00 AM - 11:45 AM Wendy Freedman, Carnegie Observatories
Overview of dark energy measurements
- 11:45 AM - 12:30 PM Mark Trodden, University of Pennsylvania
Theoretical Aspects of Cosmic Acceleration
- 12:30 PM - 2:00 PM Lunch
- 2:00 PM - 5:00 PM **PARALLEL SESSIONS**
- **CMB/Large Scale Structure Room 621**
Chairs: Sebastien Renaux-Petel, Paul Shapiro
- **Dark Energy Room 200**
Chairs: Laura Newburgh, Brenna Flaugher
- **Dark Matter Room 300**
Chairs: Francesc Ferrer, Scott Dodelson
- 3:20 PM - 3:40 PM Coffee break
- 6:00 PM Conference Banquet at Adler Planetarium
- 6:00 PM - buses board at GLEACHER
- 6:15 PM - buses depart to Adler Planetarium for conference banquet
- 6:30 PM - 7:30 PM Hors d'oeuvres and Wine Reception
- 7:30 PM - dinner
- 9:30 PM - buses board
- 9:45 PM - buses depart for return trip to suggested hotels

Thursday - August 28, 2014

8:15 AM	Continental Breakfast
9:00 AM - 12:30 PM	PLENARY SESSION <i>Chair: Ruth Gregory</i>
9:00 AM - 9:45 AM	Nima Arkani-Hamed, Institute for Advanced Study <i>Cosmological collider physics</i>
9:45 AM - 10:30 AM	Stefano Borgani, Astronomical Observatory of Trieste <i>Cosmology with Galaxy Clusters: the Role of Simulations</i>
10:30 AM - 11:00 AM	Coffee break
11:00 AM - 11:45 AM	Laura Baudis, University of Zurich <i>Direct detection of dark matter</i>
11:45 AM - 12:30 PM	Tracy Slatyer, Massachusetts Institute of Technology <i>Dark matter indirect detection</i>
12:30 PM - 2:00 PM	Lunch
6:00 PM	"Multiverse: Facts, Fictions & Fantasies" <i>event at the School of the Art Institute of Chicago</i> Shuttle transportation to SAIC will not be provided. Distance from Gleacher to SAIC (37 S. Wabash Avenue) is approximately one mile

Friday - August 29, 2014

- 8:15 AM Continental Breakfast
- 9:00 AM - 12:30 PM **PLENARY SESSION**
Chair: Mike Turner
- 9:00 AM - 9:45 AM Kiwoon Choi, Institute for Basic Science (IBS)
QCD axions with high scale inflation
- 9:45 AM - 10:30 AM Daniel Green, CITA
B-modes and the Nature of Inflation
- 10:30 AM - 11:00 AM Coffee break
- 11:00 AM - 11:45 AM Justin Khoury, University of Pennsylvania
Beyond the Cosmological Standard Model
- 11:45 AM - 12:30 PM Andrei Linde, Stanford University
Inflation in supergravity and cosmological attractors
- 12:30 PM - 2:00 PM Lunch
- 2:00 PM - 5:00 PM **PARALLEL SESSIONS**
- **Dark Energy Room 621**
Chairs: Marcelle Soares-Santos, Albert Stebbins
- **Dark Matter Room 300**
Chairs: Douglas Spolyar, Adrienne Erickcek
- **Formal/Inflation Room 200**
Chairs: Marilena Loverde, Kurt Hinterbichler
- 3:20 PM - 3:40 PM Coffee break

PARALLEL SESSIONS

August 25-27 & August 29, 2014 @ University of Chicago's Gleacher Center

Monday - August 25, 2014**CMB/LARGE SCALE STRUCTURE****Room 621****Chairs: Brad Benson, Walt Ogburn**

- 2:00 PM - 2:20 PM Christopher Sheehy, University of Chicago
BICEP2 Instrumental Systematics
- 2:20 PM - 2:40 PM Ryan Keisler, Stanford University
CMB Polarization with SPTpol
- 2:40 PM - 3:00 PM Blake D Sherwin, University of California, Berkeley
Mapping Mass at High Redshifts: CMB Lensing Measurements with ACTPol and POLARBEAR
- 3:00 PM - 3:20 PM Joaquin D Vieira, University of Illinois at Urbana-Champaign
High redshift starburst galaxies revealed by SPT, ALMA, and gravitational lensing
- 3:20 PM - 3:40 PM Coffee break
- 3:40 PM - 4:00 PM Philipp Mertsch, KIPAC, Stanford University
Fingerprints of Galactic Loop I on the Cosmic Microwave Background
- 4:00 PM - 4:20 PM Daniel Grin, University of Chicago
Some new sources of CMB spectral distortions
- 4:20 PM - 4:40 PM Amanda Yoho, Case Western Reserve University
Using B-modes in the CMB to Constrain the Lack of Large Angular Correlation
- 4:40 PM - 5:00 PM Marius Millea, University of California, Davis
Neutrino Physics with the Planck Satellite

FORMAL/INFLATION**Room 200****Chairs: Mustafa Amin, Amjad Ashoorion**

- 2:00 PM - 2:20 PM Gary Shiu, University of Wisconsin & HKUST
New and Simpler Monodromy Inflation
- 2:20 PM - 2:40 PM Clemens Wieck, DESY Hamburg
Chaotic Inflation, Supersymmetry Breaking, and Moduli Stabilization
- 2:40 PM - 3:00 PM Amjad Ashoorion, Lancaster University
M-flation after BICEP2

- 3:00 PM - 3:20 PM Kai Schmitz, Kavli IPMU, University of Tokyo
Generating fractional power inflationary potentials
- 3:20 PM - 3:40 PM Coffee break
- 3:40 PM - 4:00 PM Jonathan Frazer, UVP/EHU
Multifield Inflation and the Many Field Limit
- 4:00 PM - 4:20 PM Latham Boyle, Perimeter Institute
On testing and reformulating the inflationary consistency relation $n_{\{t\}}=-r/8$
- 4:20 PM - 4:40 PM Alexandra Terrana, York University and Perimeter Institute
Time-dependence in massive gravity
- 4:40 PM - 5:00 PM Raquel H Ribeiro, Case Western Reserve University
Riding on irrelevant operators: applications to Cosmology

DARK ENERGY*Room 300**Chairs: Richard Easther, Dragan Huterer*

- 2:00 PM - 2:20 PM Clare Burrage, University of Nottingham
Detecting dark energy in the laboratory
- 2:20 PM - 2:40 PM Gianmassimo Tasinato, ICG, Portsmouth
Cosmic Acceleration from Abelian Symmetry Breaking
- 2:40 PM - 3:00 PM Amol Upadhye, University of Wisconsin, Madison
Large-scale structure formation with dynamical dark energy and massive neutrinos
- 3:00 PM - 3:20 PM Craig Hogan, KICP and Fermilab
Cosmic Acceleration and the QCD scale
- 3:20 PM - 3:40 PM Coffee break
- 3:40 PM - 4:00 PM Andrew Matas, Case Western Reserve University
Deconstructing Dimensions and Massive Gravity
- 4:00 PM - 4:20 PM David Stefanyszyn, University of Nottingham
Unitarity and the Vainshtein Mechanism
- 4:20 PM - 4:40 PM Sohyun Park, Pennsylvania State University
Nonlocal gravity and structure in the universe
- 4:40 PM - 5:00 PM Marcelo Salgado, Instituto de Ciencias Nucleares, UNAM, MEXICO
The equation of state of geometric dark energy in $f(R)$ cosmology

Tuesday - August 26, 2014**CMB/LARGE SCALE STRUCTURE****Room 621****Chairs: Silvia Galli, Clarence Chang**

- 2:00 PM - 2:20 PM Florent Leclercq, Institut d'Astrophysique de Paris
How did structure appear in the Universe? - A Bayesian approach
- 2:20 PM - 2:40 PM Marilena Loverde, University of Chicago
Neutrinos in large-scale structure
- 2:40 PM - 3:00 PM L. Raul Abramo, University of Sao Paulo
Future massive multi-tracer surveys: the case of J-PAS
- 3:00 PM - 3:20 PM Elinore Roebber, McGill University
A numerical calculation of the gravitational wave signal in the low frequency regime produced by binary supermassive black holes
- 3:20 PM - 3:40 PM Coffee break
- 3:40 PM - 4:00 PM Linda Blot, LUTH Observatoire de Paris, Meudon
Matter Power Spectrum Covariance Matrix from the DEUS-PUR LCDM simulations: Mass Resolution and non-Gaussian Errors
- 4:00 PM - 4:20 PM Sebastien Renaux-Petel, LPTHE, Paris
Spectral distortions in the cosmic microwave background polarization
- 4:20 PM - 4:40 PM Miguel Quartin, UFRJ, Rio de Janeiro
Measuring cosmic structure with supernovae

FORMAL/INFLATION**Room 200****Chairs: Amol Upadhye, Latham Boyle**

- 2:00 PM - 2:20 PM Andrei Lazanu, DAMTP, University of Cambridge
The Power Spectrum of Nambu-Goto Cosmic Strings
- 2:20 PM - 2:40 PM Ali Nayeri, Institute for Quantum Studies, Chapman University
String Gas Cosmology and a Possible Explanation of the Blue Tilt in Gravitational Waves
- 2:40 PM - 3:00 PM Emanuela Dimastrogiovanni, University of Minnesota
Anisotropic signatures in cosmic structures from primordial tensor perturbations
- 3:00 PM - 3:20 PM Jun'ichi Yokoyama, RESCEU, The University of Tokyo
Prospects of determination of thermal history after inflation with DECIGO
- 3:20 PM - 3:40 PM Coffee break

- 3:40 PM - 4:00 PM Sebastian Mendizabal, Universidad Tecnica Federico Santa Maria
Leptogenesis in a strong thermal bath
- 4:00 PM - 4:20 PM Andrew J Long, Arizona State University
Detecting non-relativistic cosmic neutrinos by capture on tritium
- 4:20 PM - 4:40 PM Mustafa A Amin, University of Cambridge/ Kavli Institute for Cosmology
Inflaton Fragmentation and Matter-Antimatter Asymmetry

DARK MATTER*Room 300**Chairs: Dan Hooper*

- 2:00 PM - 2:20 PM Anthony Fradette, University of Victoria
Cosmological Constraints on Very Dark Photons
- 2:20 PM - 2:40 PM Tanja Rindler-Daller, University of Michigan
Supermassive dark stars: improved models and first pulsation results
- 2:40 PM - 3:00 PM Douglas Spolyar, University of Amsterdam (GRAPPA)
GAIA searching for DM sub-halos
- 3:00 PM - 3:20 PM Nikita Blinov, TRIUMF/University of British Columbia
Rescuing Light Moduli Cosmology from Indirect Detection
- 3:20 PM - 3:40 PM Coffee break
- 3:40 PM - 4:00 PM Jasper Hasenkamp, New York University
Tight Bonds between Sterile Neutrinos and Dark Matter
- 4:00 PM - 4:20 PM Francesc Ferrer, Washington University in St Louis
Dark-matter distributions around massive black holes: A general relativistic Analysis
- 4:20 PM - 4:40 PM Jeroen Franse, Leiden University
An unidentified line in X-ray spectra of the Andromeda galaxy and Perseus galaxy cluster

Wednesday - August 27, 2014**CMB/LARGE SCALE STRUCTURE****Room 621****Chairs: Sebastien Renaux-Petel, Paul Shapiro**

- 2:00 PM - 2:20 PM Nico Hamaus, Institut d'Astrophysique de Paris
A unique composition of emptiness - Cosmic voids as cosmological probes
- 2:20 PM - 2:40 PM Roland de Putter, JPL/Caltech
Constraining Fundamental Physics with Weak Lensing and Galaxy Clustering
- 2:40 PM - 3:00 PM Paul R Shapiro, The University of Texas at Austin
Simulating Cosmic Reionization and Its Observable Consequences
- 3:00 PM - 3:20 PM Cora Dvorkin, Institute for Advanced Study
Probing Dark Matter with the Cosmic Microwave Background and Large-Scale Structure
- 3:20 PM - 3:40 PM Coffee break
- 3:40 PM - 4:00 PM Chi-Ting Chiang, Max-Planck-Institute for Astrophysics
Position-dependent power spectrum of the large-scale structure: a novel method to measure the squeezed-limit bispectrum
- 4:00 PM - 4:20 PM Boris Leistedt, University College London
Primordial non-Gaussianity with photometric quasars
- 4:20 PM - 4:40 PM Joyce Byun, Cornell University
Non-Gaussian Shape Reconstruction from Future Galaxy Surveys
- 4:40 PM - 5:00 PM Zhiqi Huang, CITA
Stacking and CMB anomalies

DARK MATTER**Room 300****Chairs: Francesc Ferrer, Scott Dodelson**

- 2:00 PM - 2:20 PM Yann Guardincerri, FermiLab
DarkSide-50: performance and results from the first atmospheric argon run
- 2:20 PM - 2:40 PM Ben Loer, Fermilab
SuperCDMS SNOLAB: A G2 Dark Matter Search Experiment
- 2:40 PM - 3:00 PM Adam J Anderson, MIT
Low-Energy Analysis of Data from SuperCDMS Soudan
- 3:00 PM - 3:20 PM Paolo Privitera, University of Chicago
DAMIC - a novel experiment for low mass dark matter
- 3:20 PM - 3:40 PM Coffee break

- 3:40 PM - 4:00 PM Orin Harris, IUSB
Update from PICO
- 4:00 PM - 4:20 PM Katherine Freese, University of Michigan
Novel ideas for Dark Matter Detection
- 4:20 PM - 4:40 PM Vera Gluscevic, Institute for Advanced Study
Prospects for understanding WIMP-baryon interactions with direct detection
- 4:40 PM - 5:00 PM Richard J Hill, University of Chicago
Formalism and applications of Heavy WIMP Effective Theory

DARK ENERGY*Room 200**Chairs: Laura Newburgh, Brenna Flaugher*

- 2:00 PM - 2:20 PM Marcelle Soares-Santos, Fermilab
DES galaxy cluster science results
- 2:20 PM - 2:40 PM Scott Dodelson, Fermilab/Chicago
Combining Probes in the Dark Energy Survey
- 2:40 PM - 3:00 PM Adrienne Erickcek, UNC Chapel Hill
Challenges for Chameleon Gravity in the Early Universe
- 3:00 PM - 3:20 PM Hao-Yi Wu, University of Michigan
Probing growth of cosmic structure using galaxy dynamics: a converging picture of velocity bias
- 3:20 PM - 3:40 PM Coffee break
- 3:40 PM - 4:00 PM Eva-Maria Katar Mueller, Cornell
Constraining gravity using the kinetic SZ effect
- 4:00 PM - 4:20 PM Antonella Garzilli, Lorentz Instituut, Leiden University
IGM: The broadening in the Lyman-alpha forest
- 4:20 PM - 4:40 PM Masato Shirasaki, University of Tokyo
Cross-Correlation of Cosmic Shear and Extragalactic Gamma-ray Background
- 4:40 PM - 5:00 PM Albert Stebbins, Fermilab
Fast Radio Bursts as Triggers for Neutrino and Gravitational Wave Telescopes

Friday - August 29, 2014

FORMAL/INFLATION**Room 200****Chairs: Marilena Loverde, Kurt Hinterbichler**

- 2:00 PM - 2:20 PM Ignacy Sawicki, University of Geneva
Minimal parameterisation for general modifications of gravity
- 2:20 PM - 2:40 PM Johannes Noller, University of Oxford
Multi-Gravity as an effective field theory
- 2:40 PM - 3:00 PM George A Zahariade, UC Davis
Massive gravity and caustics: a definitive covariant constraint analysis.
- 3:00 PM - 3:20 PM Lasha Berezhiani, University of Pennsylvania
On Consistency Conditions for Primordial Perturbations
- 3:20 PM - 3:40 PM Coffee break
- 3:40 PM - 4:00 PM Mehrdad Mirbabayi, Institute for Advanced Study
Gravitational waves and the scale of Inflation
- 4:00 PM - 4:20 PM Sebastian Trojanowski, National Center for Nuclear Research, Warsaw, Poland
Neutralino and gravitino dark matter with low reheating temperature
- 4:20 PM - 4:40 PM Ruth Gregory, Durham University
Catalysing vacuum decay
- 4:40 PM - 5:00 PM Mark P Hertzberg, MIT
Baryogenesis from the Inflaton Field

DARK MATTER**Room 300****Chairs: Douglas Spolyar, Adrienne Erickcek**

- 2:00 PM - 2:20 PM Tim Linden, U Chicago / KICP
The Characterization of the Gamma-Ray Signal from the Central Milky Way
- 2:20 PM - 2:40 PM Tongyan Lin, KICP
Gamma Rays from the GC: Dark Matter Interpretations and Collider Signals
- 2:40 PM - 3:00 PM Samuel D McDermott, Fermilab
Simplified Dark Matter Models for the Galactic Center Gamma-Ray Excess
- 3:00 PM - 3:20 PM Asher Berlin, University of Chicago
Hidden Sector Dark Matter Models for the Galactic Center Gamma-Ray Excess
- 3:20 PM - 3:40 PM Coffee break

- 3:40 PM - 4:00 PM Koji Ichikawa, Kavli IPMU
Current and Future constraints on wino dark matter from indirect detection of dwarf spheroidal galaxies
- 4:00 PM - 4:20 PM Ilias Cholis, Fermilab
Searching for signals of dark matter in the extragalactic gamma-ray background
- 4:20 PM - 4:40 PM Meng Su, MIT
Probing Dark Matter with Future Gamma-ray Space Telescopes
- 4:40 PM - 5:00 PM Alex Drlica-Wagner, Fermilab
Searching for Dark Matter Annihilation in the Smith High-Velocity Cloud

DARK ENERGY*Room 621**Chairs: Marcelle Soares-Santos, Albert Stebbins*

- 2:00 PM - 2:20 PM William Wester, Fermilab
Status of Dark Energy Survey's Type IA Supernova Program
- 2:20 PM - 2:40 PM Flavia Sobreira, Fermilab
DES Large Scale Structure First Results
- 2:40 PM - 3:00 PM Shahab Joudaki, Swinburne University
2dFLenS: Testing Gravity on Cosmic Scales
- 3:00 PM - 3:20 PM Laura Newburgh, Dunlap Institute
Measuring Dark Energy with CHIME
- 3:20 PM - 3:40 PM Coffee break
- 3:40 PM - 4:00 PM Constantinos Demetroullas, University of Manchester
A Galaxy-Galaxy lensing measurement by cross correlating optical and radio data
- 4:00 PM - 4:20 PM Adam Mantz, KICP/Chicago
Weighing the Giants: Galaxy Cluster Cosmology Anchored by Weak Gravitational Lensing
- 4:20 PM - 4:40 PM Matteo Cataneo, Dark Cosmology Centre
New constraints on $f(R)$ gravity from clusters of galaxies and the cosmic microwave background
- 4:40 PM - 5:00 PM Daniel Shafer, University of Michigan
Is There Evidence for Phantom Dark Energy?