

Session Program

Sep 2 - 6, 2019



COSMO19

Parallel Sessions: Early Universe (C.A.R.L., H03)

Mon, September 2

2:30 PM

Parallel Sessions: Early Universe (C.A.R.L., H03): Chairperson: Subodh Patil

Session

2:30 - 2:50 PM **Bootstrapping Inflationary Fluctuations**

Speaker

Guilherme Leite Pimentel

2:50 - 3:10 PM **On backreaction effects in geometrical destabilisation of inflation**

Speaker

Dr Krzysztof Turzynski

3:10 - 3:25 PM **Stochastic inflation beyond slow roll**

Speaker

Mr Chris Pattison

3:25 - 3:40 PM

Curvature Perturbations from Entropy Production on Cosmic Trajectories

Speaker

Dr Jonathan Braden

3:40 - 3:55 PM

Nonlinear Dynamics of Preheating after Multifield Inflation with Nonminimal Couplings

Speaker

Dr Evangelos Sfakianakis

3:55 - 4:10 PM **1mn poster presentations (first part)**

4:10 PM

4:40 PM

Parallel Sessions: Early Universe (C.A.R.L., H03): Chairperson: Subodh Patil

Session

4:40 - 5:00 PM

Detecting nonclassical primordial gravitational waves with Hanbury Brown and Twiss interferometry

Speaker

Sugumi Kanno

5:00 - 5:20 PM **Constraining primordial gravitational waves from inflation**

Speaker

Ema Dimastrogiovanni

5:20 - 5:40 PM

Primordial black holes dark matter from inflection point models of inflation and the effects of reheating

Speaker
Dr Rajeev Kumar Jain

5:40 - 5:55 PM **Electroweak bubble wall speed limit**

Speaker
Prof. Dietrich Bodeker

5:55 - 6:10 PM **Non-Gaussian CMB and LSS statistics beyond polyspectra**

Speaker
Spyros Sypsas

6:10 - 6:20 PM **1mn poster presentations (second part)**

6:20 PM

Tue, September 3

2:30 PM

Parallel Sessions: Early Universe (C.A.R.L., H03): Chairperson: Will Kinney

Session

2:30 – 2:50 PM

On loops in inflation: CMB bounds on the field content of the universe.

Speaker

Adrian Del Rio

2:50 – 3:10 PM

Shift Symmetric Orbital Inflation

Speaker

Yvette Welling

3:10 – 3:25 PM

Reconstruction of the speed of sound of the inflaton using early and late cosmological data

Speaker

Guadalupe Cañas Herrera

3:25 – 3:40 PM

How to break spacetime symmetries and get away with it

Speaker

Bernardo Finelli

3:40 – 3:55 PM

Enlarging the Space of Viable Inflation Models: A Slingshot Mechanism

Speaker

Dr Jeff Kost

3:55 – 4:10 PM

Exponential expansion through decaying Anti-de Sitter

Speaker

Dr Marjorie Schillo

4:10 PM

4:40 PM

Parallel Sessions: Early Universe (C.A.R.L., H03): Chairperson: Will Kinney

Session

4:40 – 5:00 PM

Primordial SU(2) Gauge fields and Particle Production in the Early Universe

Speaker

Dr Azadeh Maleknejad

5:00 – 5:15 PM

Baryogenesis from axion inflation

Speaker

Kyohei Mukaida

5:15 – 5:30 PM

Role of QCD axion in an inflationary universe with non-Abelian gauge fields

5:30 PM

Speaker
Yuki Watanabe