

School and International Workshop on String Phenomenology and String Cosmology 2016

Sunday, 24 July 2016 - Saturday, 30 July 2016

Chengdu, China

Scientific Programme

preSPSC

July 24th,
Sunday

08:30-9:45 Introduction to inflationary cosmology I -- Yungui Gong

10:15-11:30 Introduction to superstrings and compactification I -- Hiroaki Nakajima

14:00-15:15 Introduction to inflationary cosmology II -- Yungui Gong

15:45-17:00 Introduction to superstrings and compactification II --- Hiroaki Nakajima

July 25th,
Monday

08:30-9:45 Inflation in string theory I -- Timm Wrase

10:15-11:30 Axions I -- Joseph Conlon

14:00-15:15 F-theory for model building I -- Iñaki García-Etxebarria

15:45-17:00 Inflation in string theory II -- Timm Wrase

July 26th,
Tuesday

08:30-9:45 F-theory for model building II -- Iñaki García-Etxebarria

10:15-11:30 Axions II -- Joseph Conlon

Afternoon: SPSC talks (see below)

July 27th,
Wednesday

08:30-9:45 D-brane model building and conformal field theory I -- Gabriele Honecker

10:15-11:30 Moduli of heterotic string compactifications I -- Magdalena Larfors

14:00-15:15 Non-geometric string backgrounds and axion monodromy inflation I --

Erik Plauschinn

15:45-17:00 Inflation in string theory 2 I -- Susha Parameswaran

July 28th,
Thursday

08:30-9:45 D-brane model building and conformal field theory
II -- Gabriele Honecker

10:15-11:30 Moduli of heterotic string compactifications II -- Magdalena Larfors

14:00-15:15 Non-geometric string backgrounds and axion monodromy inflation II --
Erik Plauschinn

15:45-17:00 Inflation in string theory 2 II -- Susha Parameswaran

SPSC

July 26th,
Tuesday

Morning: preSPSC Lectures

14:00-14:10 Opening Address

14:10-15:00 Linking dark matter to dark energy in a string theory scenario --
Henry Tye

15:00-15:50 Searches for Axion-Like Particles with NGC1275: Observation of
Spectral Modulations -- Joseph Conlon

16:10-17:00 Global string embeddings for nilpotent Goldstino multiplet -- Iñaki
García-Etxebarria

17:00-17:50 The weak gravity conjecture, black holes, and cosmology -- Gary
Shiu

17:50-18:00 Group Photo

18:00-20:00 Reception

July 29th,
Friday

08:30-9:20 Type II model building at the crossroads between

(astro)particle physics and moduli stabilization -- Gabriele Honecker

09:20-10:10 Constrained multiplets in N=1 supergravity and their connection to
string cosmology -- Timm Wrase

10:30-11:20 Hierarchies and inflation in the mirror quintic -- Ivonne Zavala

14:00-14:50 Relating double-field theory to N=2 gauged supergravity -- Erik
Plauschinn

14:50-15:40 Infinitesimal moduli of G2 holonomy manifolds with instanton bundles --
Magdalena Larfors

16:00-16:50 F-theory duality in multiply fibered Calabi-Yau -- Xin Gao

16:50-17:40 Classifying rank-1 d=4 N=2 superconformal field theories by
Seiberg-Witten geometries -- Yongchao Lu

17:40-17:50 Closing Remarks

July 30th,
Saturday

Free discussion