

Strings 2008



Report of Contributions

Contribution ID: 0

Type: **not specified**

Quantum gravity in three dimensions

Monday 18 August 2008 11:30 (35 minutes)

Author: Prof. STROMINGER, Andrew (Harvard University)

Presenter: Prof. STROMINGER, Andrew (Harvard University)

Contribution ID: 1

Type: **not specified**

Forty years of high energy string collisions

Monday 18 August 2008 10:25 (35 minutes)

Presenter: Prof. VENEZIANO, Gabriele (College de France)

Contribution ID: 2

Type: **not specified**

Welcome Talks

Monday 18 August 2008 10:00 (25 minutes)

Contribution ID: 3

Type: **not specified**

String theory and cosmology

Monday 18 August 2008 12:05 (35 minutes)

Author: KALLOSH, Renata (Stanford University)

Presenter: KALLOSH, Renata (Stanford University)

Contribution ID: 4

Type: **not specified**

Global warming of the de Sitter space

Monday 18 August 2008 12:40 (35 minutes)

Author: Prof. POLYAKOV, Alexander M. (Princeton University)

Presenter: Prof. POLYAKOV, Alexander M. (Princeton University)

Contribution ID: 5

Type: **not specified**

LHC machine status

Monday 18 August 2008 15:15 (45 minutes)

Author: Prof. EVANS, Lyn (CERN)

Presenter: Prof. EVANS, Lyn (CERN)

Contribution ID: 6

Type: **not specified**

Status of the LHC detectors: design, construction, commissioning

Monday 18 August 2008 16:00 (45 minutes)

Presenter: Prof. ENGELEN, Jos (CERN)

Contribution ID: 7

Type: **not specified**

The search for new physics at the LHC

Monday 18 August 2008 16:45 (45 minutes)

Author: Prof. BUCHMULLER, Oliver (CERN)

Presenter: Prof. BUCHMULLER, Oliver (CERN)

Contribution ID: 8

Type: **not specified**

String phenomenology on the eve of the LHC

Tuesday 19 August 2008 09:30 (55 minutes)

Author: Prof. IBANEZ, Luis (UAM-CSIC)

Presenter: Prof. IBANEZ, Luis (UAM-CSIC)

Contribution ID: 9

Type: **not specified**

F-theory, GUTs, and the weak scale

Tuesday 19 August 2008 10:25 (35 minutes)

Author: Prof. VAFA, Cumrun (Harvard University)

Presenter: Prof. VAFA, Cumrun (Harvard University)

Contribution ID: **10**

Type: **not specified**

A new infinite class of anti-de Sitter flux vacua

Tuesday 19 August 2008 11:30 (35 minutes)

Author: Dr TOMASIELLO, Alessandro (Harvard University)

Presenter: Dr TOMASIELLO, Alessandro (Harvard University)

Contribution ID: 11

Type: **not specified**

D-brane instantons in Type II orientifolds

Tuesday 19 August 2008 12:05 (35 minutes)

Author: Dr WEIGAND, Timo (University of Pennsylvania)

Presenter: Dr WEIGAND, Timo (University of Pennsylvania)

Contribution ID: 12

Type: **not specified**

Superstring amplitudes: formal progress and implications for LHC

Tuesday 19 August 2008 12:40 (35 minutes)

Author: Dr STIEBERGER, Stephan (MPI Munich)

Presenter: Dr STIEBERGER, Stephan (MPI Munich)

Contribution ID: 13

Type: **not specified**

Heterotic standard models

Tuesday 19 August 2008 15:20 (35 minutes)

Author: Prof. DONAGI, Ron (University of Pennsylvania)

Presenter: Prof. DONAGI, Ron (University of Pennsylvania)

Contribution ID: 14

Type: **not specified**

N=6 Chern Simons matter theories, M2 branes and supergravity

Tuesday 19 August 2008 15:55 (35 minutes)

Author: Prof. MALDACENA, Juan (Institute for Advanced Study, Princeton)

Presenter: Prof. MALDACENA, Juan (Institute for Advanced Study, Princeton)

Contribution ID: 15

Type: **not specified**

Lagrangians for multiple M2-branes

Tuesday 19 August 2008 17:00 (35 minutes)

Author: Dr LAMBERT, Neil (Kings College London)

Presenter: Dr LAMBERT, Neil (Kings College London)

Contribution ID: 16

Type: **not specified**

Multiple membrane dynamics

Tuesday 19 August 2008 17:35 (35 minutes)

Author: Prof. MUKHI, Sunil (Tata Institute of Fundamental Research)

Presenter: Prof. MUKHI, Sunil (Tata Institute of Fundamental Research)

Contribution ID: 17

Type: **not specified**

Unveiling the structure of amplitudes in gauge theory and gravity

Wednesday 20 August 2008 09:30 (55 minutes)

Author: Prof. DIXON, Lance (SLAC)

Presenter: Prof. DIXON, Lance (SLAC)

Contribution ID: 18

Type: **not specified**

Maximal supersymmetry, duality and scattering amplitudes

Wednesday 20 August 2008 10:25 (35 minutes)

Author: Prof. GREEN, Michael B. (DAMTP Cambridge)

Presenter: Prof. GREEN, Michael B. (DAMTP Cambridge)

Contribution ID: **19**

Type: **not specified**

What is the simplest quantum field theory?

Wednesday 20 August 2008 11:30 (35 minutes)

Author: Dr CACHAZO, Freddy (Perimeter Institute)

Presenter: Dr CACHAZO, Freddy (Perimeter Institute)

Contribution ID: 20

Type: **not specified**

Dual superconformal symmetry of scattering amplitudes in N=4 SYM

Wednesday 20 August 2008 12:40 (35 minutes)

Author: Prof. SOKATCHEV, Emery (LAPTH-Annecy)

Presenter: Prof. SOKATCHEV, Emery (LAPTH-Annecy)

Contribution ID: 21

Type: **not specified**

Fermionic T-duality

Wednesday 20 August 2008 12:05 (35 minutes)

Author: Prof. BERKOVITS, Nathan Jacob (Instituto de Fisica Teorica, Sao Paulo)

Presenter: Prof. BERKOVITS, Nathan Jacob (Instituto de Fisica Teorica, Sao Paulo)

Contribution ID: 22

Type: **not specified**

The gauge-string duality and QCD at finite temperature

Thursday 21 August 2008 09:30 (55 minutes)

Author: Prof. GUBSER, Steven (Princeton University)

Presenter: Prof. GUBSER, Steven (Princeton University)

Contribution ID: 23

Type: **not specified**

Integrability of the AdS/CFT system

Thursday 21 August 2008 10:25 (35 minutes)

Author: Dr STAUDACHER, Matthias (Max-Planck-Institut fuer Gravitationsphysik)

Presenter: Dr STAUDACHER, Matthias (Max-Planck-Institut fuer Gravitationsphysik)

Contribution ID: 24

Type: **not specified**

Nonlinear fluid dynamics from gravity

Thursday 21 August 2008 11:30 (35 minutes)

Author: Prof. MINWALLA, Shiraz (TIFR)

Presenter: Prof. MINWALLA, Shiraz (TIFR)

Contribution ID: 25

Type: **not specified**

Scattering amplitudes via AdS/CFT

Thursday 21 August 2008 12:05 (35 minutes)

Author: Dr ALDAY, Luis Fernando (Utrecht University)

Presenter: Dr ALDAY, Luis Fernando (Utrecht University)

Contribution ID: 26

Type: **not specified**

Holographic recipes at finite density and low temperature

Thursday 21 August 2008 12:40 (35 minutes)

Author: Dr STARINETTS, Andrei (Institute for Advanced Study)

Presenter: Dr STARINETTS, Andrei (Institute for Advanced Study)

Contribution ID: 27

Type: **not specified**

Holographic gauge mediation

Thursday 21 August 2008 15:20 (35 minutes)

Author: Prof. VERLINDE, Herman (Princeton University)

Presenter: Prof. VERLINDE, Herman (Princeton University)

Contribution ID: **28**

Type: **not specified**

General gauge mediation

Thursday 21 August 2008 15:55 (35 minutes)

Author: Dr SHIH, David (IAS/Princeton)

Presenter: Dr SHIH, David (IAS/Princeton)

Contribution ID: 29

Type: **not specified**

4-loop perturbative Konishi from AdS₅×S⁵ string sigma model

Thursday 21 August 2008 17:00 (35 minutes)

Author: Dr JANIK, Romuald (Jagiellonian University, Cracow)

Presenter: Dr JANIK, Romuald (Jagiellonian University, Cracow)

Contribution ID: **30**

Type: **not specified**

Loop quantum gravity

Thursday 21 August 2008 17:35 (35 minutes)

Author: Prof. ROVELLI, Carlo (Marseille University)

Presenter: Prof. ROVELLI, Carlo (Marseille University)

Contribution ID: **31**

Type: **not specified**

BPS black holes and topological strings: a review

Friday 22 August 2008 09:30 (55 minutes)

Author: Dr PIOLINE, Boris (Laboratoire de Physique Theorique Jussieu)

Presenter: Dr PIOLINE, Boris (Laboratoire de Physique Theorique Jussieu)

Contribution ID: 32

Type: **not specified**

Extremal black holes and AdS₂/CFT₁ correspondence

Friday 22 August 2008 10:25 (35 minutes)

Author: Prof. SEN, Ashoke (Harish-Chandra Research Institute)

Presenter: Prof. SEN, Ashoke (Harish-Chandra Research Institute)

Contribution ID: 33

Type: **not specified**

Developments in BPS wall-crossing

Friday 22 August 2008 11:30 (35 minutes)

Author: Prof. MOORE, Gregory (Rutgers University)

Presenter: Prof. MOORE, Gregory (Rutgers University)

Contribution ID: 34

Type: **not specified**

S-duality and boundary conditions in N=4 SYM

Friday 22 August 2008 12:05 (35 minutes)

Author: Dr GAIOTTO, Davide (IAS Princeton)

Presenter: Dr GAIOTTO, Davide (IAS Princeton)

Contribution ID: 35

Type: **not specified**

Cosmological unification of string theories

Friday 22 August 2008 12:40 (35 minutes)

Author: Prof. HELLERMAN, Simeon (Institute for Advanced Study)

Presenter: Prof. HELLERMAN, Simeon (Institute for Advanced Study)

Contribution ID: **36**

Type: **not specified**

Tadpole cancellation in the topological string

Friday 22 August 2008 15:20 (35 minutes)

Author: Dr WALCHER, Johannes (ETH Zurich)

Presenter: Dr WALCHER, Johannes (ETH Zurich)

Contribution ID: 37

Type: **not specified**

Remodeling the topological string, perturbatively and nonperturbatively

Friday 22 August 2008 15:55 (35 minutes)

Author: Prof. MARINO BEIRAS, Marcos (University of Geneva)

Presenter: Prof. MARINO BEIRAS, Marcos (University of Geneva)

Contribution ID: **38**

Type: **not specified**

Summary

Friday 22 August 2008 17:00 (50 minutes)

Presenter: Prof. OOGURI, Hiroshi (Caltech)

Contribution ID: **39**

Type: **not specified**

Outlook

Friday 22 August 2008 17:50 (40 minutes)

Presenter: Prof. GROSS, David (KITP)

Contribution ID: **40**

Type: **not specified**

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