

Hot Topics in Particle and Astroparticle Physics 2005

Report of Contributions

Contribution ID: 1

Type: **not specified**

Lecture
Electroweak Physics I

Tuesday, 19 July 2005 09:00 (45 minutes)

Primary author: STEFAN DITTMAIER

Presenter: STEFAN DITTMAIER

Session Classification: Session IV

Contribution ID: 2

Type: **not specified**

Taking a Picture of the Earth's Interior with Geoneutrinos

Tuesday, 19 July 2005 09:50 (30 minutes)

Primary author: KATHRIN HOCHMUTH

Presenter: KATHRIN HOCHMUTH

Session Classification: Session IV

Contribution ID: 3

Type: **not specified**

Welcome and Organizational Matters

Monday, 18 July 2005 10:45 (15 minutes)

Primary author: MICHAEL ALTMANN

Presenter: MICHAEL ALTMANN

Session Classification: Session I

Contribution ID: 4

Type: **not specified**

2-Loop Electroweak Corrections to the Effective Leptonic Weak Mixing Angle

Monday, 18 July 2005 11:50 (30 minutes)

Primary author: ULRICH MEIER

Presenter: ULRICH MEIER

Session Classification: Session I

Contribution ID: 5

Type: **not specified**

Lecture
MAGIC: Status, Recent Observations and the Future

Monday, 18 July 2005 11:00 (45 minutes)

Primary author: DAVID PANEQUE

Presenter: DAVID PANEQUE

Session Classification: Session I

Contribution ID: 6

Type: **not specified**

Lecture
ATLAS: Physics Goals and Detector Concept

Monday, 18 July 2005 14:00 (45 minutes)

Primary author: RICHARD NISIUS

Presenter: RICHARD NISIUS

Session Classification: Session II

Contribution ID: 7

Type: **not specified**

vNRQCD

Monday, 18 July 2005 14:50 (30 minutes)

Primary author: MAXIMILIAN STAHLHOFEN

Presenter: MAXIMILIAN STAHLHOFEN

Session Classification: Session II

Contribution ID: 8

Type: **not specified**

Neutrinos: New Experimental and Phenomenological Results

Monday, 18 July 2005 16:00 (30 minutes)

Primary author: TOMMY OHLSSON

Presenter: TOMMY OHLSSON

Session Classification: Session III

Contribution ID: 9

Type: **not specified**

Tracking Tools for ATLAS Detector Alignment

Monday, 18 July 2005 17:20 (30 minutes)

Primary author: ROLAND HÄRTEL

Presenter: ROLAND HÄRTEL

Session Classification: Session III

Contribution ID: **10**

Type: **not specified**

ATLAS Inner Detector Alignment

Monday, 18 July 2005 16:40 (30 minutes)

Primary author: TOBIAS GÖTTFERT

Presenter: TOBIAS GÖTTFERT

Session Classification: Session III

Contribution ID: **11**

Type: **not specified**

The ATLAS Trigger Scheme (preliminary title)

Thursday, 21 July 2005 09:50 (30 minutes)

Primary author: HANS VON DER SCHMITT

Presenter: HANS VON DER SCHMITT

Session Classification: Session XI - Re-scheduled

Contribution ID: 12

Type: **not specified**

Lecture
Superstrings II

Thursday, 21 July 2005 09:00 (45 minutes)

Primary author: RALPH BLUMENHAGEN

Presenter: RALPH BLUMENHAGEN

Session Classification: Session XI - Re-scheduled

Contribution ID: 13

Type: **not specified**

Feasibility Studies of the Large Liquid Scintillator Detector LENA

Thursday, 21 July 2005 11:00 (30 minutes)

Primary author: TERESA MARRODAN

Presenter: TERESA MARRODAN

Session Classification: Session XII

Contribution ID: 14

Type: **not specified**

Lecture
Dark Matter

Thursday, 21 July 2005 11:40 (45 minutes)

Primary author: GEORG RAFFELT

Presenter: GEORG RAFFELT

Session Classification: Session XII

Contribution ID: 15

Type: **not specified**

Friction Cooling Demonstration Experiment - Present Status

Tuesday, 19 July 2005 14:00 (30 minutes)

Primary author: DANIEL GREENWALD

Presenter: DANIEL GREENWALD

Session Classification: Session XIII - Re-scheduled

Contribution ID: 16

Type: **not specified**

Simulating Neutrino Oscillation Experiments with GLOBES - Part 1

Tuesday, 19 July 2005 14:40 (30 minutes)

Primary author: ALEXANDER MERLE

Presenter: ALEXANDER MERLE

Session Classification: Session XIII - Re-scheduled

Contribution ID: 17

Type: **not specified**

Simulating Neutrino Oscillation Experiments with GLOBES - Part 2

Tuesday, 19 July 2005 15:10 (30 minutes)

Primary author: JOACHIM KOPP

Presenter: JOACHIM KOPP

Session Classification: Session XIII - Re-scheduled

Contribution ID: **18**

Type: **not specified**

Silicon Detector Development: Application of the DLTS-Method

Tuesday, 19 July 2005 16:20 (30 minutes)

Primary author: QINGYU WEI

Presenter: QINGYU WEI

Session Classification: Session XIV - Re-scheduled

Contribution ID: 19

Type: **not specified**

**Guest Lecture
The J-PARC Project - Outline and Status**

Tuesday, 19 July 2005 17:00 (1 hour)

Primary author: SAKUE YAMADA

Presenter: SAKUE YAMADA

Session Classification: Session XIV - Re-scheduled

Contribution ID: 20

Type: **not specified**

Lecture
QCD in tau Decays

Tuesday, 19 July 2005 11:40 (45 minutes)

Primary author: SVEN MENKE

Presenter: SVEN MENKE

Session Classification: Session V

Contribution ID: 21

Type: **not specified**

V⁰ Inclusive Hadron Production in the SELEX Experiment at FERMILAB

Tuesday, 19 July 2005 11:00 (30 minutes)

Primary author: MIGUEL OLIVO GÓMEZ

Presenter: MIGUEL OLIVO GÓMEZ

Session Classification: Session V

Contribution ID: **22**

Type: **not specified**

Excursion

Thursday, 21 July 2005 14:00 (4h 30m)

Session Classification: VI Rescheduled - Excursion

Contribution ID: 23

Type: **not specified**

GERDA and its Teststands

Wednesday, 20 July 2005 09:50 (30 minutes)

Primary author: KEVIN KRÖNINGER

Presenter: KEVIN KRÖNINGER

Session Classification: Session VII

Contribution ID: 24

Type: **not specified**

Lecture
Electroweak Physics II

Wednesday, 20 July 2005 09:00 (45 minutes)

Primary author: STEFAN DITTMAIER

Presenter: STEFAN DITTMAIER

Session Classification: Session VII

Contribution ID: 25

Type: **not specified**

**Guest Lecture
Common Relations
Between Small x-Physics, Heavy Ion Collisions and
Reaction-Diffusion Processes in Statistical Mechanics**

Wednesday, 20 July 2005 11:40 (45 minutes)

Primary author: AL MUELLER

Presenter: AL MUELLER

Session Classification: Session VIII

Contribution ID: 26

Type: **not specified**

Development of Avalanche Drift Diodes as Detectors in Astroparticle Physics

Wednesday, 20 July 2005 11:00 (30 minutes)

Primary author: CHRISTINE MERCK

Presenter: CHRISTINE MERCK

Session Classification: Session VIII

Contribution ID: 27

Type: **not specified**

Calibration of the ATLAS Precision Muon Chambers

Wednesday, 20 July 2005 14:00 (30 minutes)

Primary author: CHRYSOSTOMOS VALDERANIS

Presenter: CHRYSOSTOMOS VALDERANIS

Session Classification: Session IX

Contribution ID: 28

Type: **not specified**

Lecture
Mathematica

Wednesday, 20 July 2005 14:40 (45 minutes)

Primary author: THOMAS HAHN

Presenter: THOMAS HAHN

Session Classification: Session IX

Contribution ID: 29

Type: **not specified**

Lecture
Superstrings I

Wednesday, 20 July 2005 16:40 (45 minutes)

Primary author: RALPH BLUMENHAGEN

Presenter: RALPH BLUMENHAGEN

Session Classification: Session X

Contribution ID: 30

Type: **not specified**

Search for the MSSM Higgs Boson Decay $A/H \rightarrow \mu\mu$ with ATLAS

Wednesday, 20 July 2005 16:00 (30 minutes)

Primary author: GIORGOS DEDES

Presenter: GIORGOS DEDES

Session Classification: Session X

Contribution ID: **31**

Type: **not specified**

Intersecting Branes and Frozen Brane Moduli

Friday, 22 July 2005 09:50 (30 minutes)

Primary author: ERIK PLAUSCHINN

Presenter: ERIK PLAUSCHINN

Session Classification: Session XV

Contribution ID: 32

Type: **not specified**

Lecture
Electroweak Physics III

Friday, 22 July 2005 09:00 (45 minutes)

Primary author: STEFAN DITTMAIER

Presenter: STEFAN DITTMAIER

Session Classification: Session XV

Contribution ID: 33

Type: **not specified**

Lecture
Cosmic Neutrinos

Friday, 22 July 2005 11:00 (45 minutes)

Primary author: MICHAEL KACHELRIESS

Presenter: MICHAEL KACHELRIESS

Session Classification: Session XVI

Contribution ID: **34**

Type: **not specified**

Conclusions

Friday, 22 July 2005 11:50 (10 minutes)

Session Classification: Session XVI