

EPAC 2004

Report of Contributions

Contribution ID: 1

Type: **not specified**

Worldwide Perspectives in Accelerators and the Role of CERN

Monday 5 July 2004 09:20 (40 minutes)

Author: AYMAR, ROBERT

Presenter: AYMAR, ROBERT

Session Classification: MOXACH

Contribution ID: 2

Type: **not specified**

Machine Protection Issues and Strategies for the LHC

Tuesday 6 July 2004 09:00 (30 minutes)

Author: SCHMIDT, RUEDIGER

Presenter: SCHMIDT, RUEDIGER

Session Classification: TUXLH

Contribution ID: 3

Type: **not specified**

HERA Performance Upgrade: Achievements and Plans for the Future

Tuesday 6 July 2004 09:30 (30 minutes)

Author: MINTY, MICHIKO

Presenter: MINTY, MICHIKO

Session Classification: TUXLH

Contribution ID: 4

Type: **not specified**

RHIC Performance and Plans Towards Higher Luminosity and Higher Polarization

Tuesday 6 July 2004 10:00 (30 minutes)

Author: SATOGATA, TODD

Presenter: SATOGATA, TODD

Session Classification: TUXLH

Contribution ID: 5

Type: **not specified**

Proton and Ion Sources for High Intensity Accelerators

Tuesday 6 July 2004 11:00 (30 minutes)

Author: SCRIVENS, RICHARD

Presenter: SCRIVENS, RICHARD

Session Classification: TUYLH

Contribution ID: 6

Type: **not specified**

Low and Medium Energy Beam Acceleration in High Intensity Linacs

Tuesday 6 July 2004 11:30 (30 minutes)

Author: STOVALL, JAMES

Presenter: STOVALL, JAMES

Session Classification: TUYLH

Contribution ID: 7

Type: **not specified**

Challenges facing the Generation of MW Proton Beams using Rapid Cycling Synchrotrons

Tuesday 6 July 2004 12:00 (30 minutes)

Author: IRIE, YOSHIRO

Presenter: IRIE, YOSHIRO

Session Classification: TUYLH

Contribution ID: 8

Type: **not specified**

Experience with LHC Magnets from Prototyping to Large-scale Industrial Production and Integration

Wednesday 7 July 2004 09:00 (30 minutes)

Author: ROSSI, LUCIO

Presenter: ROSSI, LUCIO

Session Classification: WEXCH

Contribution ID: 9

Type: **not specified**

High Field Gradient Cavity for J-PARC 3 GeV RCS

Wednesday 7 July 2004 09:30 (20 minutes)

Author: OHMORI, CHIHIRO

Presenter: OHMORI, CHIHIRO

Session Classification: WEOACH

Contribution ID: **10**

Type: **not specified**

Gas Condensates onto a LHC Type Cryogenic Vacuum System Subjected to Electron Cloud

Wednesday 7 July 2004 09:50 (20 minutes)

Author: BAGLIN, VINCENT

Presenter: BAGLIN, VINCENT

Session Classification: WEOACH

Contribution ID: 11

Type: **not specified**

Achievement of 35 MV/m in the TESLA Superconducting Cavities Using Electropolishing as a Surface Treatment

Wednesday 7 July 2004 10:10 (20 minutes)

Author: LILJE, LUTZ

Presenter: LILJE, LUTZ

Session Classification: WEOACH

Contribution ID: 12

Type: **not specified**

Fast Pulsed SC Magnets

Wednesday 7 July 2004 11:00 (30 minutes)

Author: MORITZ, GEBHARD

Presenter: MORITZ, GEBHARD

Session Classification: WEYCH

Contribution ID: 13

Type: **not specified**

Technical Issues for Large Accelerators based on High Gradient SC Cavities

Wednesday 7 July 2004 11:30 (30 minutes)

Author: PAGANI, CARLO

Presenter: PAGANI, CARLO

Session Classification: WEYCH

Contribution ID: 14

Type: **not specified**

Low and Medium Beta Superconducting Cavities

Wednesday 7 July 2004 12:00 (30 minutes)

Author: FACCO, ALBERTO

Presenter: FACCO, ALBERTO

Session Classification: WEYCH

Contribution ID: 15

Type: **not specified**

"Technical and Performance Requirements for Monitoring of Pulsed, Mixed Radiation Fields around High Energy Accelerators"

Wednesday 7 July 2004 14:00 (20 minutes)

Author: FORKEL-WIRTH, DORIS

Presenter: FORKEL-WIRTH, DORIS

Session Classification: WEOBCH

Contribution ID: 16

Type: **not specified**

"Design, Construction, and Initial Operation of the SNS MEBT Chopper System"

Wednesday 7 July 2004 14:20 (20 minutes)

Author: HARDEKOPF, ROBERT

Presenter: HARDEKOPF, ROBERT

Session Classification: WEOBCH

Contribution ID: 17

Type: **not specified**

A New 180 MeV H- Linac for Upgrades of ISIS

Wednesday 7 July 2004 14:40 (20 minutes)

Author: GERIGK, FRANK

Presenter: GERIGK, FRANK

Session Classification: WEOCCH

Contribution ID: **18**

Type: **not specified**

Construction Status and Issues of the Spallation Neutron Source Ring

Wednesday 7 July 2004 15:00 (20 minutes)

Author: WEI, JIE

Presenter: WEI, JIE

Session Classification: WEOCCH

Contribution ID: 19

Type: **not specified**

1.5-GeV FFAG Accelerator as Injector to the BNL-AGS

*Wednesday 7 July 2004 15:20 (20 minutes)***Author:** RUGGIERO, ALESSANDRO**Presenter:** RUGGIERO, ALESSANDRO**Session Classification:** WEODCH

Contribution ID: 20

Type: **not specified**

An Interaction of Stored Ions with Electron Target in Low Energy Electrostatic Ring

Wednesday 7 July 2004 15:40 (20 minutes)

Author: SYRESIN, EVGENY

Presenter: SYRESIN, EVGENY

Session Classification: WEODCH

Contribution ID: 21

Type: **not specified**

Non-destructive Beam Measurements

Wednesday 7 July 2004 09:00 (30 minutes)

Author: BAI, MEI

Presenter: BAI, MEI

Session Classification: WEXLH

Contribution ID: 22

Type: **not specified**

Particle-in-cell Beam Dynamics Simulations

Wednesday 7 July 2004 09:30 (20 minutes)

Author: LAU, THOMAS

Presenter: LAU, THOMAS

Session Classification: WEOALH

Contribution ID: 23

Type: **not specified**

Multiturn Extraction Based on Trapping in Stable Islands at CERN PS: Recent Measurement Advances

Wednesday 7 July 2004 09:50 (20 minutes)

Author: GIOVANNOZZI, MASSIMO

Presenter: GIOVANNOZZI, MASSIMO

Session Classification: WEOALH

Contribution ID: 24

Type: **not specified**

Installation Strategy for the LHC Main Dipoles

Wednesday 7 July 2004 10:10 (20 minutes)

Author: FARTOUKH, STEPHANE

Presenter: FARTOUKH, STEPHANE

Session Classification: WEOALH

Contribution ID: 25

Type: **not specified**

Industrial Technology for Unprecedented Energy and Luminosity: the Large Hadron Collider

Monday 5 July 2004 10:00 (30 minutes)

Author: LEBRUN, PHILIPPE

Presenter: LEBRUN, PHILIPPE

Session Classification: MOXBCH

Contribution ID: 26

Type: **not specified**

Emittance Control for Very Short Bunches

Wednesday 7 July 2004 11:00 (30 minutes)

Author: BANE, KARL

Presenter: BANE, KARL

Session Classification: WEYLH

Contribution ID: 27

Type: **not specified**

Single Particle Linear and Non-linear Dynamics

Wednesday 7 July 2004 11:30 (30 minutes)

Author: CAI, YUNHAI

Presenter: CAI, YUNHAI

Session Classification: WEYLH

Contribution ID: 28

Type: **not specified**

Collective Effects and Instabilities in Space Charge Dominated Beams

Wednesday 7 July 2004 12:00 (30 minutes)

Author: HOLMES, JEFFREY

Presenter: HOLMES, JEFFREY

Session Classification: WEYLH

Contribution ID: 29

Type: **not specified**

Methods for Successful Technology Transfer in Physics

Wednesday 7 July 2004 14:30 (20 minutes)

Author: HILL, NATHAN

Presenter: HILL, NATHAN

Session Classification: WEILH

Contribution ID: **30**

Type: **not specified**

Collaboration between Industry and Institutes

Wednesday 7 July 2004 14:50 (20 minutes)

Author: URSIC, ROK

Presenter: URSIC, ROK

Session Classification: WEILH

Contribution ID: 31

Type: **not specified**

Industrial Response to RF Power Requirements

Wednesday 7 July 2004 15:10 (20 minutes)

Author: WILCOX, DAVID

Presenter: WILCOX, DAVID

Session Classification: WEILH

Contribution ID: 32

Type: **not specified**

Industrial Involvement in the Construction of Synchrotron Light Sources

Wednesday 7 July 2004 15:30 (20 minutes)

Author: DE JONG, MARK

Presenter: DE JONG, MARK

Session Classification: WEILH

Contribution ID: 33

Type: **not specified**

Industrial Involvement in EC Supported Accelerator R&D in the 6th Framework Programme and in Preparing Large Scale Accelerator Projects

Wednesday 7 July 2004 14:00 (30 minutes)

Author: PROCH, DIETER

Presenter: PROCH, DIETER

Session Classification: WEILH

Contribution ID: 34

Type: **not specified**

Achieving Sub-micron Stability in Light Sources

Thursday 8 July 2004 09:00 (30 minutes)

Author: BGE, MICHAEL

Presenter: BGE, MICHAEL

Session Classification: THXCH

Contribution ID: 35

Type: **not specified**

SPEAR3 Commissioning

Thursday 8 July 2004 09:30 (20 minutes)

Author: SAFRANEK, JAMES

Presenter: SAFRANEK, JAMES

Session Classification: THOACH

Contribution ID: 36

Type: **not specified**

Commissioning of the 500 MeV Injector for MAX-lab

Thursday 8 July 2004 09:50 (20 minutes)

Author: WERIN, SVERKER

Presenter: WERIN, SVERKER

Session Classification: THOACH

Contribution ID: 37

Type: **not specified**

Top-up Operation at SPring-8 - Towards Maximizing the Potential of a 3rd Generation Light Source

Thursday 8 July 2004 10:10 (20 minutes)

Author: TANAKA, HITOSHI

Presenter: TANAKA, HITOSHI

Session Classification: THOACH

Contribution ID: 38

Type: **not specified**

Issues and Challenges for Short Pulse Radiation Production

Thursday 8 July 2004 11:00 (30 minutes)

Author: EMMA, PAUL

Presenter: EMMA, PAUL

Session Classification: THYCH

Contribution ID: 39

Type: **not specified**

The Beijing Electron-positron Collider and its Second Phase Construction

Thursday 8 July 2004 11:30 (20 minutes)

Author: WANG, JIUQING

Presenter: WANG, JIUQING

Session Classification: THOBCH

Contribution ID: 40

Type: **not specified**

DAFNE Operation with the FINUDA Experiment.

Thursday 8 July 2004 11:50 (20 minutes)

Author: MILARDI, CATIA

Presenter: MILARDI, CATIA

Session Classification: THOBCH

Contribution ID: 41

Type: **not specified**

Barrier RF Systems in Synchrotrons

Thursday 8 July 2004 12:10 (20 minutes)

Author: BHAT, CHANDRA

Presenter: BHAT, CHANDRA

Session Classification: THOBCH

Contribution ID: 42

Type: **not specified**

Novel Technologies for the Tevatron Luminosity Upgrade

Thursday 8 July 2004 14:15 (30 minutes)

Author: SHILTSEV, VLADIMIR

Presenter: SHILTSEV, VLADIMIR

Session Classification: THZCH

Contribution ID: 43

Type: **not specified**

Electron Cooling: Remembering and Reflecting

Thursday 8 July 2004 14:45 (30 minutes)

Author: MESHKOV, IGOR

Presenter: MESHKOV, IGOR

Session Classification: THZCH

Contribution ID: 44

Type: **not specified**

"JACoW, a Collaboration Serving the Accelerator Community"

Thursday 8 July 2004 15:15 (15 minutes)

Author: POOLE, JOHN AND PETIT-JEAN-GENAZ, CHRISTINE

Presenter: POOLE, JOHN AND PETIT-JEAN-GENAZ, CHRISTINE

Session Classification: THZCH

Contribution ID: 45

Type: **not specified**

Cosmic Accelerators

Thursday 8 July 2004 15:30 (30 minutes)

Author: BLANDFORD, ROGER

Presenter: BLANDFORD, ROGER

Session Classification: THZCH

Contribution ID: 46

Type: **not specified**

High Current p and H- Diagnostics at the SNS

Thursday 8 July 2004 09:00 (30 minutes)

Author: SHEA, THOMAS

Presenter: SHEA, THOMAS

Session Classification: THXLH

Contribution ID: 47

Type: **not specified**

Electron Bunch Length Measurements at the SLS Linac using Electro-optical Techniques

Thursday 8 July 2004 09:30 (20 minutes)

Author: WINTER, AXEL

Presenter: WINTER, AXEL

Session Classification: THOALH

Contribution ID: 48

Type: **not specified**

Developments of the Non-invasive Beam-size Monitor using ODR

Thursday 8 July 2004 09:50 (20 minutes)

Author: MUTO, TOSHIYA

Presenter: MUTO, TOSHIYA

Session Classification: THOALH

Contribution ID: 49

Type: **not specified**

The Measurements of the Longitudinal Beam Profile on the Preinjector VEPP-5

Thursday 8 July 2004 10:10 (20 minutes)

Author: GUROV, SERGE

Presenter: GUROV, SERGE

Session Classification: THOALH

Contribution ID: 50

Type: **not specified**

Diagnostics at the TESLA Test Facility Free Electron Laser

Thursday 8 July 2004 11:00 (30 minutes)

Author: FELDHAUS, JOSEF

Presenter: FELDHAUS, JOSEF

Session Classification: THYLH

Contribution ID: 51

Type: **not specified**

The TESLA X-FEL Project

Monday 5 July 2004 11:00 (30 minutes)

Author: WEISE, HANS

Presenter: WEISE, HANS

Session Classification: MOYCH

Contribution ID: 52

Type: **not specified**

Physics Challenges for ERL Light Sources

Monday 5 July 2004 11:30 (30 minutes)

Author: MERMINGA, LIA

Presenter: MERMINGA, LIA

Session Classification: MOYCH

Contribution ID: 53

Type: **not specified**

Superconducting RF Cavities for Synchrotron Light Sources

Monday 5 July 2004 12:00 (30 minutes)

Author: MARCHAND, PATRICK

Presenter: MARCHAND, PATRICK

Session Classification: MOYCH

Contribution ID: 54

Type: **not specified**

Recent Improvement of Slow-extraction at HIMAC Synchrotron

Thursday 8 July 2004 11:30 (20 minutes)

Author: FURUKAWA, TAKUJI

Presenter: FURUKAWA, TAKUJI

Session Classification: THOBLH

Contribution ID: 55

Type: **not specified**

Ultrafast Compton Scattering X-Ray Source Development at LLNL

Thursday 8 July 2004 11:50 (20 minutes)

Author: HARTEMANN, FRED

Presenter: HARTEMANN, FRED

Session Classification: THOBLH

Contribution ID: 56

Type: **not specified**

BESSY II Operated as a Primary Source Standard

Thursday 8 July 2004 12:10 (20 minutes)

Author: KLEIN, ROMAN

Presenter: KLEIN, ROMAN

Session Classification: THOBLH

Contribution ID: 57

Type: **not specified**

Development of High Power Targets

Friday 9 July 2004 09:00 (30 minutes)

Author: BAUER, GUENTER

Presenter: BAUER, GUENTER

Session Classification: FRXCH

Contribution ID: 58

Type: **not specified**

Novel Ideas and R&D for High Intensity Neutrino Beams

Friday 9 July 2004 09:30 (30 minutes)

Author: PEACH, KEN

Presenter: PEACH, KEN

Session Classification: FRXBCH

Contribution ID: 59

Type: **not specified**

Towards Higher Luminosities in B and Phi Factories

Friday 9 July 2004 10:00 (30 minutes)

Author: RAIMONDI, PANTALEO

Presenter: RAIMONDI, PANTALEO

Session Classification: FRXBCH

Contribution ID: 60

Type: **not specified**

The German Hospital-Based Light Ion Cancer Therapy Project

Friday 9 July 2004 11:00 (30 minutes)

Author: EICKHOFF, H.

Presenter: EICKHOFF, H.

Session Classification: FRYACH

Contribution ID: 61

Type: **not specified**

"MYRRHA, A Multipurpose Experimental ADS for R&D Objectives"

Friday 9 July 2004 11:30 (30 minutes)

Author: AIT ABDERRAHIM, H.

Presenter: AIT ABDERRAHIM, H.

Session Classification: FRYACH

Contribution ID: **62**

Type: **not specified**

The Fast Track to Fusion Power

Friday 9 July 2004 12:00 (30 minutes)

Author: LLEWELLYN SMITH, CHRIS

Presenter: LLEWELLYN SMITH, CHRIS

Session Classification: FRYBCH

Contribution ID: 63

Type: **not specified**

Technologies for Electron-positron Linear Colliders

Monday 5 July 2004 14:00 (30 minutes)

Author: HOLMES, STEPHEN

Presenter: HOLMES, STEPHEN

Session Classification: MOZCH

Contribution ID: 64

Type: **not specified**

Start to End Simulations of Low Emittance Tuning and Stabilization

Monday 5 July 2004 14:30 (15 hours)

Author: TENENBAUM, PETER

Presenter: TENENBAUM, PETER

Session Classification: MOZCH

Contribution ID: 65

Type: **not specified**

Beam Based Alignment at the KEK-ATF Damping Ring

Monday 5 July 2004 15:00 (20 minutes)

Author: WOODLEY, MARK

Presenter: WOODLEY, MARK

Session Classification: MOOCH

Contribution ID: 66

Type: **not specified**

First Full Beam Loading Operation with the CTF3 Linac

Monday 5 July 2004 15:20 (20 minutes)

Author: CORSINI, ROBERTO

Presenter: CORSINI, ROBERTO

Session Classification: MOOCH

Contribution ID: 67

Type: **not specified**

Status of a Linac RF Unit Demonstration for the NLC/GLC X-band Linear Collider

Monday 5 July 2004 15:40 (20 minutes)

Author: SCHULTZ, DAVID

Presenter: SCHULTZ, DAVID

Session Classification: MOOCH

Contribution ID: **68**

Type: **not specified**

Review of ISOL-type Radioactive Beam Facilities

Tuesday 6 July 2004 09:00 (30 minutes)

Author: LINDROOS, MATS

Presenter: LINDROOS, MATS

Session Classification: TUXCH

Contribution ID: 69

Type: **not specified**

An International Accelerator Facility for Research with Ions and Antiprotons

Tuesday 6 July 2004 09:30 (30 minutes)

Author: HENNING, W.

Presenter: HENNING, W.

Session Classification: TUXCH

Contribution ID: 70

Type: **not specified**

"Electron Cooling for Proton, Ion, and Antiproton Beams: Status and New Developments towards High Energy Cooling"

Tuesday 6 July 2004 10:00 (30 minutes)

Author: NAGAITSEV, SERGEI

Presenter: NAGAITSEV, SERGEI

Session Classification: TUXCH

Contribution ID: 71

Type: **not specified**

Laser-cooling and Laser-acceleration for Ion Beams

Tuesday 6 July 2004 11:00 (30 minutes)

Author: ROTH, MARKUS

Presenter: ROTH, MARKUS

Session Classification: TUYACH

Contribution ID: 72

Type: **not specified**

Design Criteria and Technology Challenges for the Undulators of the Future

Tuesday 6 July 2004 11:30 (30 minutes)

Author: KITAMURA, HIDEO

Presenter: KITAMURA, HIDEO

Session Classification: TUYBCH

Contribution ID: 73

Type: **not specified**

Technological Challenges for High Brightness Photo-injectors

Tuesday 6 July 2004 12:00 (30 minutes)

Author: SUBERLUCQ, GUY

Presenter: SUBERLUCQ, GUY

Session Classification: TUYBCH

Contribution ID: 74

Type: **not specified**

Positron Source Options for Linear Colliders

Tuesday 6 July 2004 14:00 (30 minutes)

Author: FLOETTMANN, KLAUS

Presenter: FLOETTMANN, KLAUS

Session Classification: TUZACH

Contribution ID: 75

Type: **not specified**

Ultra-high Gradient Compact Accelerator Developments

Tuesday 6 July 2004 14:30 (30 minutes)

Author: VAN DER WIEL, MARNIX

Presenter: VAN DER WIEL, MARNIX

Session Classification: TUZACH

Contribution ID: 76

Type: **not specified**

Beam Quality Preservation in the CERN PS-SPS Complex

Tuesday 6 July 2004 15:00 (30 minutes)

Author: ARDUINI, GIANLUIGI

Presenter: ARDUINI, GIANLUIGI

Session Classification: TUZBCH

Contribution ID: 77

Type: **not specified**

Beam Dynamics Challenges for Future Circular Colliders

Tuesday 6 July 2004 15:30 (30 minutes)

Author: ZIMMERMANN, FRANK

Presenter: ZIMMERMANN, FRANK

Session Classification: TUZBCH