

# **Physics with a Multi-MW Proton source**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome address

*Tuesday 25 May 2004 13:30 (10 minutes)*

**Primary author:** R. AYMAR (CERN)

**Presenter:** R. AYMAR (CERN)

**Session Classification:** Introductory Session

Contribution ID: 2

Type: **not specified**

## The high intensity frontier

*Tuesday 25 May 2004 13:45 (30 minutes)*

**Primary author:** J. ELLIS (CERN)

**Presenter:** J. ELLIS (CERN)

**Session Classification:** Introductory Session

Contribution ID: 3

Type: **not specified**

## The JPARC program & experience

*Tuesday 25 May 2004 14:20 (25 minutes)*

**Primary author:** S. NAGAMIYA (KEK)

**Presenter:** S. NAGAMIYA (KEK)

**Session Classification:** Introductory Session

Contribution ID: 4

Type: **not specified**

## **US plans for high power proton drivers**

*Tuesday 25 May 2004 14:50 (25 minutes)*

**Primary author:** S. HOLMES (FERMILAB)

**Presenter:** S. HOLMES (FERMILAB)

**Session Classification:** Introductory Session

Contribution ID: 5

Type: **not specified**

# Adjourn

*Tuesday 25 May 2004 18:30 (20 minutes)*

**Session Classification:** Introductory Session

Contribution ID: 6

Type: **not specified**

## The potential of the SPL at CERN

*Tuesday 25 May 2004 15:20 (30 minutes)*

**Primary author:** R. GAROBY (CERN)

**Presenter:** R. GAROBY (CERN)

**Session Classification:** Accelerator Session

Contribution ID: 7

Type: **not specified**

## Coffee Break

*Tuesday 25 May 2004 15:55 (25 minutes)*

**Session Classification:** Accelerator Session



Contribution ID: 8

Type: **not specified**

## **Rapid Cycling Synchrotron option**

*Tuesday 25 May 2004 16:25 (20 minutes)*

**Primary author:** C. PRIOR (Rutherford Appleton Laboratory)

**Presenter:** C. PRIOR (Rutherford Appleton Laboratory)

**Session Classification:** Accelerator Session

Contribution ID: 9

Type: **not specified**

## **Additional installations for a neutrino physics facility**

*Tuesday 25 May 2004 16:50 (25 minutes)*

**Primary author:** H. HASEROTH (CERN)

**Presenter:** H. HASEROTH (CERN)

**Session Classification:** Accelerator Session

Contribution ID: **10**

Type: **not specified**

## **Defining the energy of the proton driver**

*Tuesday 25 May 2004 17:20 (15 minutes)*

**Primary author:** M. APOLLONIO

**Presenter:** M. APOLLONIO

**Session Classification:** Accelerator Session

Contribution ID: 11

Type: **not specified**

## **Additional installations for a Nuclear Physics facility**

*Tuesday 25 May 2004 17:40 (20 minutes)*

**Primary author:** A. MUELLER (CNRS-IN2P3)

**Presenter:** A. MUELLER (CNRS-IN2P3)

**Session Classification:** Accelerator Session

Contribution ID: 12

Type: **not specified**

## **A neutrino Beta-beam facility at CERN**

*Tuesday 25 May 2004 18:05 (20 minutes)*

**Primary author:** M. LINDROOS (CERN)

**Presenter:** M. LINDROOS (CERN)

**Session Classification:** Accelerator Session

Contribution ID: 13

Type: **not specified**

## WELCOME DRINK

*Tuesday 25 May 2004 18:30 (55 minutes)*

**Primary author:** OFFERED BY CAEN S.P.A.

**Presenter:** OFFERED BY CAEN S.P.A.

**Session Classification:** Accelerator Session

Contribution ID: 14

Type: **not specified**

## **Neutrino oscillation physics from a Mwatt neutrino complex**

*Wednesday 26 May 2004 09:05 (25 minutes)*

**Primary author:** P. HERNANDEZ (Valencia)

**Presenter:** P. HERNANDEZ (Valencia)

**Session Classification:** Particle Physics Session

Contribution ID: 15

Type: **not specified**

## Lunch

*Wednesday 26 May 2004 12:45 (1h 55m)*

**Session Classification:** Particle Physics Session



Contribution ID: 16

Type: **not specified**

## **The Frejus underground laboratory: status and plans**

*Wednesday 26 May 2004 09:35 (15 minutes)*

**Primary author:** L. MOSCA (CEA-Saclay)

**Presenter:** L. MOSCA (CEA-Saclay)

**Session Classification:** Particle Physics Session

Contribution ID: 17

Type: **not specified**

## **A Megaton Water Cherenkov detector**

*Wednesday 26 May 2004 09:55 (15 minutes)*

**Primary author:** C. K. JUNG

**Presenter:** C. K. JUNG

**Session Classification:** Particle Physics Session

Contribution ID: **18**

Type: **not specified**

## **Large Liquid Argon detector**

*Wednesday 26 May 2004 10:15 (20 minutes)*

**Primary author:** A. EREDITATO (INFN Napoli)

**Presenter:** A. EREDITATO (INFN Napoli)

**Session Classification:** Particle Physics Session

Contribution ID: **19**

Type: **not specified**

## **Coffee Break**

*Wednesday 26 May 2004 10:40 (25 minutes)*

**Session Classification:** Particle Physics Session

Contribution ID: 20

Type: **not specified**

## Neutrino Factory: physics and R&D progress

*Wednesday 26 May 2004 11:10 (20 minutes)*

**Primary author:** S. GEER (FNAL)

**Presenter:** S. GEER (FNAL)

**Session Classification:** Particle Physics Session

Contribution ID: 21

Type: **not specified**

## Physics of Neutrino interactions

*Wednesday 26 May 2004 11:35 (15 minutes)*

**Primary author:** P.MIGLIOZZI (INFN Napoli)

**Presenter:** P.MIGLIOZZI (INFN Napoli)

**Session Classification:** Particle Physics Session

Contribution ID: 22

Type: **not specified**

## **The Physics of a new high intensity low energy muon source**

*Wednesday 26 May 2004 11:55 (25 minutes)*

**Primary author:** A. BALDINI (INFN - Pisa)

**Presenter:** A. BALDINI (INFN - Pisa)

**Session Classification:** Particle Physics Session

Contribution ID: 23

Type: **not specified**

## **The Physics of higher intensity PS or SPS (kaons, muons, neutrinos)**

*Wednesday 26 May 2004 12:25 (15 minutes)*

**Primary author:** A. CECCUCCI (CERN)

**Presenter:** A. CECCUCCI (CERN)

**Session Classification:** Particle Physics Session



Contribution ID: 24

Type: **not specified**

## Introduction: The Eurisol DS proposal

*Wednesday 26 May 2004 14:05 (15 minutes)*

**Primary author:** Y. BLUMENFELD (IPN Orsay)

**Presenter:** Y. BLUMENFELD (IPN Orsay)

**Session Classification:** Nuclear Physics Session

Contribution ID: 25

Type: **not specified**

## Workshop dinner

*Wednesday 26 May 2004 19:35 (20 minutes)*

**Session Classification:** Nuclear Physics Session

Contribution ID: 26

Type: **not specified**

## **The future of nuclear structure studies**

*Wednesday 26 May 2004 14:25 (30 minutes)*

**Primary author:** W. GELLETLY (UNIVERSITY OF SURREY)

**Presenter:** W. GELLETLY (UNIVERSITY OF SURREY)

**Session Classification:** Nuclear Physics Session

Contribution ID: 27

Type: **not specified**

## **Nuclear dynamics and the nuclear equation of state**

*Wednesday 26 May 2004 15:00 (25 minutes)*

**Primary author:** F. GULMINELLI (LPC Caen)

**Presenter:** F. GULMINELLI (LPC Caen)

**Session Classification:** Nuclear Physics Session

Contribution ID: **28**

Type: **not specified**

## **Coffee break**

*Wednesday 26 May 2004 15:30 (30 minutes)*

**Session Classification:** Nuclear Physics Session

Contribution ID: 29

Type: **not specified**

## **Astrophysics with RIB**

*Wednesday 26 May 2004 16:05 (25 minutes)*

**Primary author:** K.-L. KRATZ (Mainz)

**Presenter:** K.-L. KRATZ (Mainz)

**Session Classification:** Nuclear Physics Session

Contribution ID: 30

Type: **not specified**

## **Fundamental symmetries and interactions (at an intense proton source)**

*Wednesday 26 May 2004 16:35 (25 minutes)*

**Primary author:** K. JUNGSMANN (Kernfysisch Versneller Instituut (Groningen))

**Presenter:** K. JUNGSMANN (Kernfysisch Versneller Instituut (Groningen))

**Session Classification:** Nuclear Physics Session

Contribution ID: 31

Type: **not specified**

## **New approaches to the study of the nucleus : muons, pbar,**

*Wednesday 26 May 2004 17:05 (25 minutes)*

**Primary author:** J. ÄYSTÖ (Jyväskylä)

**Presenter:** J. ÄYSTÖ (Jyväskylä)

**Session Classification:** Nuclear Physics Session



Contribution ID: 32

Type: **not specified**

## **FAIR: the GSI New Facility**

*Wednesday 26 May 2004 17:35 (25 minutes)*

**Primary author:** H.-J. KLUGE (GSI)

**Presenter:** H.-J. KLUGE (GSI)

**Session Classification:** Nuclear Physics Session

Contribution ID: **33**

Type: **not specified**

# Adjourn

*Wednesday 26 May 2004 18:05 (1h 30m)*

**Session Classification:** Nuclear Physics Session

Contribution ID: **34**

Type: **not specified**

## Coffee

*Thursday 27 May 2004 10:30 (25 minutes)*

**Session Classification:** Poster Session

Contribution ID: 35

Type: **not specified**

## Accelerator aspects

*Thursday 27 May 2004 11:00 (25 minutes)*

**Primary author:** B. WENG (BNL)

**Presenter:** B. WENG (BNL)

**Session Classification:** Outlook Session

Contribution ID: **36**

Type: **not specified**

## **Particle Physics aspects**

*Thursday 27 May 2004 11:30 (25 minutes)*

**Primary author:** M. SPIRO (IN2P3)

**Presenter:** M. SPIRO (IN2P3)

**Session Classification:** Outlook Session

Contribution ID: 37

Type: **not specified**

## Nuclear Physics

*Thursday 27 May 2004 12:00 (25 minutes)*

**Primary author:** M. HARAKEH (Kernfysisch Versneller Instituut (Groningen))

**Presenter:** M. HARAKEH (Kernfysisch Versneller Instituut (Groningen))

**Session Classification:** Outlook Session

Contribution ID: **38**

Type: **not specified**

## Concluding remarks

*Thursday 27 May 2004 12:30 (25 minutes)*

**Primary author:** J. ENGELEN (CERN)

**Presenter:** J. ENGELEN (CERN)

**Session Classification:** Outlook Session

Contribution ID: 39

Type: **not specified**

## **Lunch Meeting of SAC & PAC : ☒Towards Cogne**

*Thursday 27 May 2004 13:00 (20 minutes)*

**Session Classification:** Outlook Session