

Programme Town Meeting Jan 20 – Feb 1, 2003

Thursday, January 30

09:00 - 09:15 Welcome
 W. Henning, M.N. Harakeh

Facilities (Chair: M.N. Harakeh)

09:15 - 09:45 GSI Future Facility
 W. Henning
09:45 - 10:05 EURISOL
 J. Vervier
10:05 - 10:20 Spiral II
 W. Mittig
10:20 - 10:35 Rex-Isolde
 P. Butler
10:35 - 10:45 Spes
 A. Pisent
10:45 - 10:55 MAMI C
 R. Beck
10:55 - 11:05 New Accelerators
 D. Habs
11:05 - 11:15 Discussion

11:15 - 11:45 Coffee

Nuclear Structure (Chair: K. Riisager)

11:45 - 12:25 Presentation "Nuclear Structure"
 P. Van Duppen, J. Dobaczewski

12:25 - 12:40 Physics Programme of AGATA
 R. Krücken
12:40 - 12:55 Physics with Stable Beams
 F. Azaiez
12:55 – 13:05 Nuclear Structure Effects Deduced from the Number of
 Bound States
 K.H. Schmidt
13:05 - 13:15 Structure of Hypernuclei
 J. Pochodzalla
13:15 - 13:25 Statistical Approach Using Neural Networks
 E. Mavrommatis

13:25 - 14:30 Lunch

14:30 - 15:30 Discussion "Nuclear Structure"

Phases of Nuclear Matter (Chair: G. Løvhøiden)

15:30 - 16:00	Presentation "Phases of Nuclear Matter" Y. Schutz
16:00 - 16:15	Exploring Compressed Baryonic Matter P. Senger
16:15 - 16:25	Quantitative Information in the Liquid-Gas Transition Region W. Trautmann
16:25 - 16:35	Nuclear Structure and Phase Transitions: a Link through Statistical Physics R. Bougault
16:35 - 17:05	Coffee
17:05 - 17:15	Multifragmentation and Isospin : Improved EOS and New Detection M.-F. Rivet
17:15 - 17:25	Studying Multifragmentation with Hard Photons R. Alba
17:25 - 18:20	Discussion "Phases of Nuclear Matter"
18:20 - 21:00	Buffet Dinner

Friday, January 31

QCD (Chair: T. Walcher)

09:00 - 09:30	Presentation "QCD" W. Weise
09:30 - 09:45	The PANDA Project V. Metag
09:45 - 10:00	The Dear Experiment C. Guaraldo
10:00 - 10:10	Exotic Atoms J. Zmeskal
10:10 - 10:25	Meson-Nuclear Bound Systems P. Kienle
10:25 - 11:25	Discussion "QCD"
11:25 - 11:55	Coffee

Nuclei in the Universe (Chair: D. Guillemaud-Mueller)

- 11:55 - 12:25 Presentation "Nuclei in the Universe"
K. Langanke
- 12:25 - 12:40 Astrophysics Perspectives in Nuclear Astrophysics
R. Diehl
- 12:40 - 12:50 Gran Sasso – a Unique Tool for Nuclear Astrophysics
C. Rolfs
- 12:50 - 13:00 Radioactive Nuclear Beams in Nuclear Astrophysics
C. Angulo
- 13:00 - 13:10 The Perspectives of Nuclear Astrophysics at ISOL Facilities
K.-L. Kratz
- 13:10 - 13:20 The Perspectives of Nuclear Astrophysics at
Fragmentation-Type Facilities
K. Sümmerer
- 13:20 - 14:30 Lunch
- 14:30 - 14:40 NToF Facility for Astrophysics Measurements
A. Mengoni
- 14:40 - 14:50 Low-Energy Reaction Work
M. Aliotta
- 14:50 - 15:35 Discussion "Nuclei in the Universe"

Fundamental Interactions (Chair: C. Bargholtz / H. Leeb)

- 15:35 - 16:05 Presentation "Fundamental Interactions"
K. Jungmann
- 16:05 - 16:35 Coffee
- 16:35 - 16:45 Neutrinos and Nuclear Physics
C. Volpe
- 16:45 - 16:55 Searches for Permanent Neutron Electric Dipole Moments
W. Heil
- 16:55 - 17:10 Parity Violation in Electron Nucleus Scattering
F. Maas
- 17:10 - 17:25 Modern Questions in Quantum Electrodynamics
K. Pachucki
- 17:25 - 18:25 Discussion "Fundamental Interactions"
- 18:25 - 21:00 Buffet Dinner

Saturday, February 1

09:00 - 10:00 NSAC Long Range Plan
J. Symons

Applications (Chair: D. Guerreau)

10:00 - 10:20 Presentation "Applications"
P. Mandò

Applications to Life Sciences

10:20 - 10:35 Boron Neutron Capture Therapy for Liver Cancers
(T. Pinelli) P. Mandò

10:35 - 10:50 Nuclear Techniques of Analysis in the Development
of Biokinetic Models for Radiological Protection
M.C. Cantone

10:50 - 11:20 Coffee

Applications to Environment

11:20 - 11:35 Accelerator Mass Spectrometry for the Environment
at Large
R. Golser

Applications to Art & Archaeology

11:35 - 11:55 The AGLAE Experience at the Louvre
T. Calligaro

Applications to the Science of Materials

11:55 - 12:10 The Experience at LNL: an Example of Fruitful Interaction
between Material Scientists and Nuclear Physicists
A. Vomiero

12:10 - 12:25 Fundamental Research for the Incineration of Nuclear Waste
K.-H. Schmidt

"Social" Applications

12:25 - 12:40 Status of the Applications of Nuclear Techniques in the Field
of Human De-Mining
M. Cinausero

12:40 - 13:30 Lunch

13:30 - 14:00 Discussion

Final Discussion (Chair: M.N. Harakeh)

14:00 - 16:00 Final Discussion