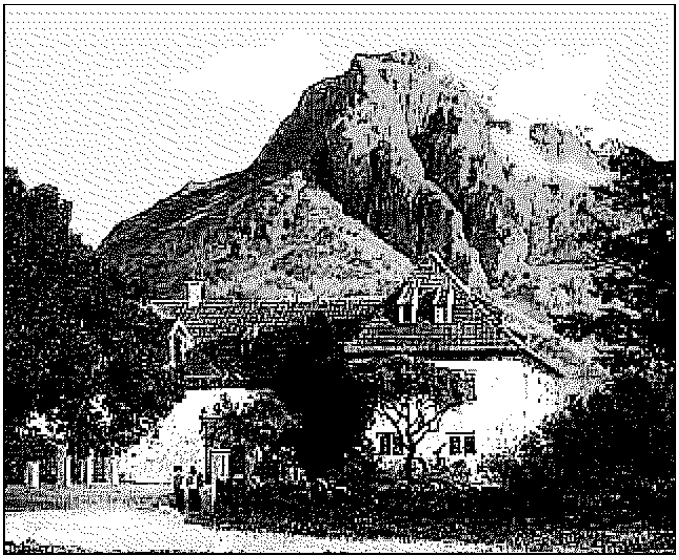
Nordic Symposium

on

Basic Problems in Quantum Physics

Supported by

NorFA, Norwegian Research Council and Universities of Oslo and Bergen



Rosendal Barony , Hardanger, Norway

June 4th-10th, 1997

Preliminary Program and Topics Description

The modern Quantum Systems, including ions in traps and fields, electrons in nanostructures, B.E.C. etc.

The measurement process in Quantum Physics.

Interference:Photons, particles, atoms.Quantum Optics.

Quantum computing and cryptography. Possible implications.

Different ideas on the interpretation of Quantum Mechanics.

Philosophical and cultural aspects of Quantum Physics. (Round table discussion and talks)

Preliminary list of keynote speakers

Jens Bang, Copenhagen, Michael Berry, Bristol, Anton Zeilinger, Innsbruck, Ragnar Fjelland, Bergen, Yu. F. Orlov, Cornell

---

Pre-registration: Before February 28th 1997. Partial financial support may be obtained upon application. A limited number of scholarships for young researchers covering most of the expenses will also be available. Students from a number of institutions may apply for additional support provided by NORDPLUS. A circular with detailed information will be mailed to all pre-registered persons early in March 1997. Pre-registration and inquiries at the addresses listed below.

Rosendal Symposium, Fysisk institutt, Allégaten 55,
N-5007 Bergen, Norway
E-mail: ladi@kvark.fi.uib.no.

FAX +47 55 58 94 40
Phone +47 55 58 28 68 or 55 58 28 67.
Additional Information on WWW: `http://www.fi.uib.no/AMOS/quant/`

Nordic Contact Persons

Jens Bang, Helle Bechman J. Pasquinucci, Copenhagen
Stig Stenholm, Claus Montonen, Helsinki
Jakob Yngvason, Reykjavik
Kristoffer Gjøtterud, Oslo
Johannes M. Hansteen, Bergen
Osvaldo Goscinski, Uppsala
Bengt Nagel, Stockholm

Local Organizing Committee

Ragnar Fjelland
Johannes M. Hansteen
Jan Petter Hansen
Ladislav Kocbach
Rosendal Symposium
Fysisk institutt,
Allégaten 55,
N-5007 Bergen, Norway,