# NEUTRINO MIXING

(Meeting in Honour of Samoil Bilenky's 70-th Birthday)

**Torino, March 25-27, 1999**
Aula Magna di Fisica

(Preliminary) PROGRAM

**Thursday, March 25, 1999**

- 15:00 - 15:10 Introduction
- 15:10 - 15:50 Walter Grimus (Univ. of Wien)
  Field-theoretical treatment of neutrino oscillations
- 15:50 - 16:30 Rita Bernabei (Univ. of Roma II)
  Solar neutrinos detection by Gallium targets: past results and new perspectives
- 16:30 - 17:00 coffee break
- 17:00 - 17:40 Alessandro Bottino (Univ. of Torino)
  Dark Matter and Particle Physics
- 17:40 - 18:20 Carlo Giunti (INFN, Torino)
  Four neutrino mixing

**Friday, March 26, 1999**

- 9:00 - 9:40 José Bernabeu (Univ. of Valencia)
  CP- , T- Violations in Neutrino Oscillations
- 9:40 - 10:20 Samoil Bilenky (JINR, Dubna)
  Sterile neutrinos?
- 10:20 - 10:50 coffee break
- 10:50 - 11:30 Antonio Masiero (SISSA, Trieste)
  FCNC and CP Violation as a Window on Supersymmetry
- 11:30 - 12:10 Gianni Navarra (Univ. of Torino)
  Search for UHE cosmic neutrinos through Extensive Air Showers
- 12:10 - 12:50 Arcadi Santamaria (Univ. of Valencia)
  "Secret" neutrino interactions
- 13:00 Greeting of the Magnifico Rettore of the University of Torino
- 13:15 - 15:00 Lunch

- 15:00 - 15:40 Ferenc Niedermayer (Univ. of Bern)
  Putting massless chiral fermions onto the lattice
- 15:40 - 16:20 Jiri Hosek (Univ. of Prague)
  Color superfluidity in a deconfined QCD matter at finite density
- 16:20 - 16:50 coffee break
- 16:50 - 17:30 Ettore Fiorini (Univ. of Milano)
  Direct and indirect measurements of the neutrino mass
- 17:30 - 18:10 Franz von Feilitzsch (Tech-Univ, Muenchen)
  Detection of $^7$Be solar neutrinos
- 20:00 Conference Banquet

**Saturday, March 27, 1999**

- 9:00 - 9:40 Samoil Bilenky (JINR, Dubna)
  Early years of neutrino mixing (some recollections)
- 9:40 - 10:20 Serguey Petcov (SISSA, Trieste)
  New Enhancement Mechanism of the Transitions/Oscillations of Solar and Atmospheric Neutrinos Traversing the Earth
- 10:20 - 10:50 coffee break
- 10:50 - 11:30 Franco Buccella (Univ. of Napoli)
  Neutrino masses in SO(10) theories
- 11:30 - 12:10 Paolo Strolin (Univ. of Napoli)
  Nu-tau appearance experiments