



Meeting of the SFB/TR 27 „Neutrinos and Beyond“

KIT, Institut für Kernphysik, campus North, June, 13, 2008

10:10 shuttle bus leaving at Karlsruhe Hbf to FZK

10:30 all 30' Arrival & coffee

Session – I Neutrinos 11:00 – 12:45

Chair: G. Drexlin Building 401 seminar room 410

11:00 S. Schönert (MPIK) 20'+5' Latest results from Borexino

11:25 A. Cox-Mobrand(KIT)15'+5' SNO results from the NCD phase

11:45 V. Rodin (EKUT) 15'+5' Description of the Double Beta Decay in Deformed Nuclei

12:05 J. Wolf (KIT) 15'+5' The KATRIN main spectrometer: status of the inner electrode system

12:25 F. Fränkle (KIT) 15'+5' The KATRIN pre-spectrometer: electromagnetic performance and tests

12:45 – 13:15 30' ***lunch break***

13:15 – 13:55 40' ***visit of the KATRIN spectrometer (hall 460)***

Session – II Dark Matter 14:00 – 16:30

Chair: J. Jochum Building 401 seminar room 410

14:00 V. Kozlov (KIT) 20'+5' Muon-induced neutrons: detector concept at LSM & status of the installation

14:25 K. Eitel (KIT) 25'+5' Review of recent results from dark matter searches

14:55 A. Bottino (INFN) 35'+5' Possible DM interpretations of DAMA/LIBRA

15:35 G. Raffelt (MPP) 25'+5' 30 years of axion search: status and prospects

16:05 H. Clement (EKUT) 20'+5' Influence of the pion-nucleon sigma term on the WIMP-nucleon scattering cross section

16:30 – 17:00 30' ***coffee break***

Session – III TPL-Sitzung 17:00 – 18:00

Building 402 seminar room 224

17:00 – 18:00 60' ***Lopes&KASCADE-Grande: radio detection of CR's***
optional tour of the experiment (guide: Tim Huege)

18:15 shuttle bus leaving from FZK to Karlsruhe Hbf