

SFB/TR 55 COLLABORATION MEETING

(Collaboration Meeting)

DATE: January 2009, 7-10

ORGANISERS:

Thomas R. Hemmert (Co-ordinator) (*U Regensburg*) and Andreas Schäfer (*U Regensburg*)

NUMBER OF PARTICIPANTS: 37

MAIN TOPICS:

- Hadron physics from lattice QCD
- Algorithms for lattice QCD simulations
- QPACE computer project

SPEAKERS:

W. Bietenholz (*U Regensburg*),
M. Günther (*U Wuppertal*),
M. Gürtler (*TU München*),
R. Horsley (*U Edinburgh*),
A. Jakovac (*U Wuppertal*),
K. Kahl (*U. Wuppertal*),
V. Maillart (*U Bern*),
F. Niedermayer (*U Bern*),
A. Nobile (*U Regensburg*),
H. Perlt (*U Leipzig*),
P. Rakow (*U Liverpool*)

SCIENTIFIC REPORT:

Aim and Purpose: The SFB/TR55 "Hadron physics from Lattice QCD" was inaugurated on July 1st, 2008 and is still in its start-up phase, e.g. several postdoc-positions connected with this SFB have only been filled during fall 2008. The collaboration meeting at ECT* in early January 2009 therefore had the following goals:

- a) Researchers of the four universities involved—namely Bern, Graz, Regensburg and Wuppertal—and especially the new postdocs would get to know each other and their respective work/expertise.

- b) A setting in a place like ECT* outside one of the universities involved allows for un-interrupted focused discussion/planning of the concrete research goals to be realized in 2009.
- c) Identification of research projects that will be worked upon in close collaboration between researchers from different universities within the SFB.

Results and Highlights: In the mornings we had presentations both from SFB members and from SFB-associates reporting the status of their sub-projects within the SFB. The afternoons were reserved for small working group meetings which took place both in the Rustico (offices, seminar room) as well as in seminar rooms of the Villa. Given that our SFB-members/associates typically work scattered over several European countries (e.g. the international QCDSF lattice QCD collaboration which is part of the SFB), the small-group afternoon meetings formed the most important parts of this collaboration meeting. As mandated by the by-laws of the SFB we also held a general assembly of all the SFB members during the collaboration meeting at ECT*

Conclusions: The majority of participants at this collaboration meeting at ECT* were Ph.D. students and postdocs of the new SFB who interacted lively throughout these four days, so we are confident that goal a) has been achieved. Quite certainly, the specific setting of this collaboration meeting at ECT* with the possibilities to interact (goal b)) both during the afternoons and also informally in the evenings during/after dinner was also helpful in creating a sense of community among the many new researchers in this SFB. As far as goal c) is concerned, we are aware of at least two new projects involving researchers both from Wuppertal and Regensburg that got initiated during this meeting in Trento, and we are looking forward to the outcome.

Talks: The talks can be browsed from the website:
<http://www.physik.uni-regensburg.de/sfbtr55meeting/>

Thomas R. Hemmert (Coordinator) and *Andreas Schäfer* (Speaker of SFB/TR55)
Regensburg, January 15th, 2009