Second symposium on threshold meson production
in pp and pd interactions.

extended COSY-11 collaboration meeting

**Michał Bobrzyński Conference Hall,
Collegium Maius, Jagiellońska Str. 15, 31.05-03.06.2004**

Monday, May 31^{th}

18:30 The Opera ORFEO ED EURIDICE, C. von Kerssenbrock
Opera Stage at Słowacki Theatre, Pl. Św. Ducha 1.

Tuesday, June 1^{st}
Strange mesons and hyperons

10:00 Welcome, Prof. Lucjan Jarczyk, Jagellonian University, COSY-11,
Prof. Karol Musioł, prorector of the Jagellonian University,
Dr. Maren Klingler, consul general, Federal Republic of Germany,
Prof. Walter Oelert, FZ-Jülich, COSY-11

10:30 - 10:40 coffee break

10:40 - 12:00

10:40 Radhey Shyam, Saha Institute, India,
Dynamics of hyperon production in nucleon-nucleon collisions.

11:25 Dieter Grzonka, FZ-Jülich,
Study of the ground and excited states of Λ and Σ hyperon production.

12:00 - 12:20 coffee break

12:20 - 13.50

12:20 Johann Haidenbauer, FZ-Jülich,
The $\theta^+(1540)$ resonance and its influence on the reactions K^+N and K^+d.

12:55 Józef Złomańczuk, Uppsala University,
Search of the Exotic Θ^+ Baryon using WASA@COSY.

13:25 Joanna Przerwa, Jagellonian University,
Bremsstrahlung radiation in the deuteron–proton collisions.

13:50 - 15:20 lunch break

15:20 - 16:30

15:20 Tomasz Rożek, Univeristy of Silesia & FZ-Jülich,
Production of Σ^+ hyperon at COSY-11.

15:40 Felix P. Sassen, FZ-Jülich,
Molecule formation in the KK and DK channels.

16:05 Peter Winter, FZ-Jülich,
Study of the excitation function of the $p\ p \to p\ p\ K^+K^-$ reaction at COSY-11.

16:30 - 17:30 coffee served at Stuba Communis

19:00 - 20:00 Evening lecture, Aula Collegium Novum
Bogdan C. Maglich, HiEnergy Technologies, USA
How I discovered the omega meson.

Wednesday, June 2^{nd}
pd reactions; polarization; eta and eta-prime decays

9:10 - 11:10

9:10 Bogdan C. Maglich, HiEnergy Technologies, USA,
Are apparent meson widths a function of the momentum transfer.
9:30 Hans Stockhorst, FZ-Jülich,
Lecture on polarized proton beam at COSY.
10:20 Rafał Czyżykiewicz, Jagellonian University & FZ-Jülich,
Measurements of analysing power for the $\vec{p}\, p \ \rightarrow \ p\, p\, \eta$ reaction at COSY-11.
10:45 Pachattu N. Deepak, FZ-Jülich,
Spin observables in meson production in nucleon-nucleon collisions.

11:10-11:40 coffee break

11:40-13:10

11:40 Heinz-Herman Adam, Münster University,
Results of $pd \rightarrow \ ^3He\ \eta$ from COSY-11 runs.
12:05 Alexander Täschner, Münster University,
Status of $pd \rightarrow^3 He\eta'$ study at COSY-11.
12:20 Jerzy Smyrski, Jagellonian University,
Precise scan of the $d\ p \ \rightarrow^3 H\ \pi^+/^3He\ \pi^0$ cross section ratio at the eta production threshold.
12:45 Cezary Piskor-Ignatowicz, Jagellonian University,
Study of the eta-deuteron interaction via excitation function of the $dp \rightarrow dp\eta$ reaction.

13:10-14:40 lunch break

14:40-16:25

14:40 Bugra Borasoy, Munich University of Technology,
Hadronic decays of eta and eta-prime mesons.
15:10 Magnus Wolke, The Svedberg Laboratory & FZ-Jülich,
Measurements of eta-prime meson decays using WASA@COSY.
15:35 Andrzej Kupść, The Svedberg Laboratory,
eta-meson decays as a tool for testing chiral perturbation theory.
16:00 Alfons Khoukaz, Münster University,
Total and differential cross sections for the $pp \rightarrow pp\eta'$ reaction at COSY-11.

16:25-16:50 coffee break

16:50-18:30

COSY-11 internal meeting

Thursday, June 3^{rd},
free and quasi-free production of eta and eta-prime mesons

9:30 - 11:30

9:30 Barry Ritchie, Arizona State University,
Photoproduction of eta and eta-prime mesons at JLAB.

10:05 Nikos G. Stefanis, Ruhr University, Bochum,
The gluon content of eta and eta-prime mesons.

10:35 Joanna Stepaniak, Institute for Nuclear Studies, Warsaw,
Quasi-free production of eta and eta-prime in nucleon-nucleon collisions.

11:05 Michał Janusz, Jagellonian University,
Results from the measurement of the $pn \to pn\eta$ reaction at COSY-11.

11:30-12:00 coffee break

12:00-13:20

12:00 Kanzo Nakayama, Georgia University,
eta-prime production in gamma-nucleon and nucleon-nucleon collisions.

12:50 Manfred Dillig, Erlangen University,
Meson exchange versus quark models in the close to threshold meson production.

13:20-15:00 lunch break

15:00-16:30

15:00 Andrzej Deloff, Institute for Nuclear Studies, Warsaw,
Three-pair final-state interaction in the $pp \to pp\eta$ reaction close to threshold.

15:35 Vadim Baru, ITEP Moscow,
Production of eta meson in nucleon-nucleon collisions.

16:00 Paweł Moskal, Jagellonian University,
Study of the eta-nucleon and eta-prime-nucleon interaction via $p\ p\ \to p\ p\ Meson$ reactions at COSY-11.

16:25 Closing

20:00 Banquet at the Mirror Hall in the Grand Hotel
Sławkowska Str. 5/7