

**GRADUATE SCHOOL WORKSHOP**  
IN  
**OBERWÖLZ**  
AUSTRIA

**SEPTEMBER 6<sup>th</sup> – 09<sup>th</sup> 2006**  
PRELIMINARY PROGRAM (28.10.)

Wednesday, September 6<sup>th</sup>  
Arrival – 17:00, Dinner: 18.00 – 19:00

Talks:

19:00 – 19:20: **Wolfgang ORTNER**

*Dynamical fermions in lattice QCD*

19:30 – 19:50: **Wolfgang SCHLEIFENBAUM**

*Infrared properties of Green functions in Coulomb gauge Yang-Mills theory*

20:00 – 20:20: **Gernot EICHMANN**

*Towards a realistic description of the nucleon*

Thursday, September 7<sup>th</sup>

Breakfast: 07:30 – 08:30

Talks:

09:00 – 09:20: **Carla Fröhlich**

*Explosive nucleosynthesis*

09:30 – 09:50: **Ute DREYER**

*Single W-boson production in proton-proton and proton-ion collisions*

10:00 – 10:20: **Anette SCHWICK**

*Installation of WASA at COSY and its Physics Program*

10:30 – 11:00: Coffee Break

Talks:

11:00 – 11:20: **Rafael FRIGORI**

*Numerical study of QCD phase transition at finite temperature*

11:30 – 11:50: **Dominik EPPLE**

*The 't Hooft loop in Coulomb gauge*

12:00 – 13:00: Lunch

13:00 – 15:30: Discussion

15:30 – 16:00: Coffee Break

Talks:

16:00 – 16:20: **Cyrill von ARX**

*Spin physics via W boson production*

16:30 – 16:50: **Diana NICMORUS**

*N-Delta transitions in the chiral quark model*

17:00 – 17:20: **Igal Jaegle**

*Eta, eta prime and double pi<sup>0</sup> photoproduction off the deuteron*

17:30 – 17:50: **Bianka SENGL**

*Relativistic Calculation of Mesonic Baryon Decays*

18:00 – 19:00: Dinner

Talks:

19:00 – 19:20: **Klaus LICHTENEGGER**

*Vertex Functions in Landau – Colomb Interpolating Gauge*

19:30 – 19:50: **Oliver PLOHL**

*What generates the relativistic self-energy in nuclear matter*

20:00 – 20:20: **Alan OTT**

*The electric form factor (Gen) of the neutron at  $Q^2=0.25 \text{ GeV}^2$*

Friday, September 8<sup>th</sup>

Breakfast: 07:30 – 08:30

Talks:

09:00 – 09:20: **Iris DILLMANN**

*Peanuts & the p process*

09:30 – 09:50: **Peter GÖGELEIN**

*Nuclear 'Pasta' Phase in a Triaxial Relativistic Mean Field Approach*

10:00 – 10:20: **Katharina EHRHARDT**

*Hyperon production at COSY-TOF*

10:30 – 11:00: Coffee Break

11:00 – 11:20: **Roman TROJER**

*Inclusive Electron Scattering from Nuclei at  $X>1$  and High  $Q^2$*

11:30 – 11:50: **Erek BILGICI**

*Grassmann methods in lattice field theory and statistical mechanics*

12:00 – 13:00: Lunch

13:00 – 15:30: Discussion

15:30 – 16:00: Coffee Break

Talks:

16:00 – 16:20: **Markus KLOKER**

*On the QCD Quark Propagator and some Implications for Hadronic Properties*

16:30 – 16:50: **Francis PHERON**

*Eta photoproduction on  $^3\text{He}$ : Search for eta-mesic nuclei*

17:00 – 17:20: **Yousef SALEH**

*Two neutrino double decay in deformed nuclei*

17:30 – 17:50: **Markus KNAPP**

*Muon Veto for GERDA*

18:00 – 19:00: Dinner

Talks:

19:00 – 19:20: **Philipp HUBER**

*Low energy constants for mesons on the lattice using Chirally Improved Dirac operator*

19:30 – 19:50: **Mikhail BASHKANOV**

*Exclusive Measurements of Double-Pionic Fusion: The ABC Effect - Solution of a Puzzle*

20:00 – 20:20: **Katharina VOGT**

*Sonification of Phase Transitions*

Saturday, September 9<sup>th</sup>

Breakfast: 07:30 – 08:30

Talks:

09:00 – 09:20: **Markus STAUF**

*Three-Body Correlations*

09:30 – 09:50: **Elvira SANTINI**

*Influence of in-medium meson properties on dilepton production at HADES*

10:00 – 10:20: **Daniel GREINER**

*Monte Carlo simulations for the Double Chooz muon veto*

10:30 – 11:00: Coffee Break

Talks:

11:00 – 11:20: **Olena KHAKIMOVA**

*Quasi-free single and double pion production in pd-collisions*

11:30 – 11:50: **Alexander GORITSCHNIGG**

*Hard Exclusive Photoproduction of Heavy Quarkonia*

12:00 – 13:00: Lunch