Preliminary program of
The structure of mesons, baryons and nuclei
and
MESON98 Workshop

Tuesday, May 26

9:00	Abundance of elements *F. Thielmann*
9:30	Relativistic Theory of Nuclear Structure at the Driplines *P. Ring*
10:00	Relativity damps OPEP in nuclear matter *M.Banerjee*
10:30	*Coffee break*
11:00	Critical phenomena in nuclear matter *A. Budzanowski*
11:30	Phase transitions at high level density and giant resonances in hot nuclei *I. Rotter*
12:00	Structure of heaviest nuclei *A. Sobiczewski*
14:00	Strangeness in nuclei *J. Dabrowski*
14:30	Baryon-baryon coupling in hypernuclei *B. Gibson*
15:00	What can we learn from relativistic Hypernuclei? *J.Bartke*
15:30	*Coffee break*

Parallel sessions

16:00	Microscopic structure of charge-exchange spin-isospin modes through decay measurements *M. Harakeh*
16:30	Electromagnetic processes in nuclei *C.Papanicolas*
17:00	Energetic particles and gammas from low-energy nuclear reactions *E. Betak*
17:30	Dynamics and instabilities of the Nuclear Fermi Liquid *V. Kolomietz*
18:00	Status of Effective Field Theory of NN scattering *S.Beane*
16:00	Generalisation of the Rarita-Schwinger Equations for Non-strange Baryons *I. Lovas*
16:30	Non-perturbative VEVs from a local expansion. A new approach to Confinement. *A.Jaramillo*
17:00	Meson dynamics in nuclei *R. Mach*
17:30	 *********************
18:00	 *********************

Wednesday, May 27

9:00	Chiral Dynamics in Dense Matter
	W. Weise
9:30	Chiral symmetry restoration in nuclei and its experimental manifestation
	M. Ericson
10:00	Probing chiral symmetry restauration with heavy ions
	J.Wambach
10:30	*Coffee break*
11:00	Chiral perturbation theory
	U.Meissner
11:30	Experimental tests of chiral perturbation theory
	Th.Walcher
12:00	The pion-nucleon coupling constant
	T.Ericson
14:00	Subthreshold eta and pion production
	M.Ploszajczak
14:30	Dual Ginzburg-Landau theory on non-perturbative QCD phenomena
	H. Toki
15:00	Meson production and properties at finite nuclear density
	W. Cassing
15:30	*Coffee break*

Parallel sessions

16:00	Chiral symmetry and virtual Compton scattering
	B.Holstein
16:30	Three-body dynamics and pion-nucleon scattering
	I. Afnan
17:00	Meson-Meson Dynamics
	J. Durso
17:30	Isospin symmetry in hadronic reactions
	H. Machner
18:00	
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16:00	
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16:30	Relating microscopic results to semiclassical models of collective excitations
	D.Zawischa
17:00	Effects of the quasiparticle-phonon interaction in magic and non-magic nuclei
	S.Kamerdshiev
17:30	Heavy ion experiments
	Z.Majka
18:00	Configuration mixing effects in Isoscalar Giant Dipole Resonance
	M. Wojcik

Thursday, May 28

9:00	Spin dependent structure functions *B. Frois*
9:30	Proton Spin Content: Links to QCD Topological Susceptibility *B. Ioffe*
10:00	Deep inelastic scattering and the pion wave function *M. Johnson*
10:30	*Coffee break*
11:00	The search for dibaryons *G. Wagner*
11:30	The quark model, chiral symmetry and the nucleon-nucleon interaction *A. Faessler*
12:00	The nucleon-nucleon interaction *R. Maschuw*
14:00	Random Matrix models *M.Nowak*
14:30	Chiral symmetry in nuclei *M.Birse*
15:00	The interaction between constituent quarks *D.Riska*
15:30	*Coffee break*

Parallel sessions

16:00	Isospin resolved double pion production at CELSIUS *R. Tegner*
16:30	Photopion production *K. Nakayama*
17:00	On the origin of chiral sigularities in hadron radii *R. Tegen*
17:30	Effective field theories for nuclei and dense nuclear matter *M. Rho*
18:00	EOS of Matter at supranuclear densities *G.E. Brown*
16:00	Recent Results on Meson Photoproduction at SAPHIR *F. Klein*
16:30	Hadrons in nuclei and color transparency *S. Yazaki*
17:00	The structure of nuclei and diffraction processes *O. Sitenko*
17:30	Deep-inelastic scattering *A. Szczurek*
18:00	Kaon-nucleon interaction studied by kaonic X-Rays with DEAR at DAFNE *C. Petrascu*

16:00	Mixing angles and electromagnetic properties of ground state pseudoscalar and vector meson nonets in the light-cone quark model *Chueng Ji*
16:20	Exotic mesons and forms of nonperturbative glue *A. Szczepaniak*
16:40	Meson production in proton-nucleus and nucleus-nucleus collisions *N. Topilskaya*
17:00	Quasi-bound states in ηNN and ηNNN systems *S. Wycech*
17:20	Reaction $pd \to dn\pi^+$ and role of NN^* component of the deuteron *U.N. Uzikov*
17:40	Hadron structure *F.A. Gareev*

Friday, May 29

9:00	Meson-Baryon and Meson-Meson interactions *J. Speth*
9:30	Scalar Mesons in Pion-Proton Interactions and Phi Decays *A.Dzierba*
10:00	Photoabsorption of vector mesons off nuclei *M.Soyeur*
10:30	*Coffee break*
11:00	The up-down asymmetry in the nucleon sea *G.Garvey*
11:30	Flavor asymmetry in Drell-Yan processes *E.Henley*
12:00	Soft and hard structure of hadrons as probed in deep-inlastic scattering at small x *N.Nikolaev*
14:00	Rho-omega mixing *C.M.Shakin*
14:30	Heavy quarkonia *K.Zalewski*
15:00	B-meson decays *CLEO collaboration*
15:30	*Coffee break*

Parallel sessions

16:00	Pion production in proton-proton collisions *J. Heidenbauer*
16:20	Pseudoscalar meson-photon transition form factors *T. Feldmann*
16:40	Photoproduction on nucleus, new calculations *M. Effenberger*
17:00	Medium modifications of mesons and bulk properties of nuclei *S. Krewald*
17:20	Final State Interaction in Near-Threshold Meson Production *A. Sibirtsev*
17:40	The ΔN interaction in hadronic reactions on a deuteron target *Ch. Mosbacher*
18:00	Chiral nonperturbative approach to the isoscalar s-wave pion-pion interaction in a nuclear medium *M.V. Vacas*

16:00	Differential cross section in $pd \to pd\pi^0$ reaction and quasi-free scattering *J. Greiff*
16:20	Study of the p + d $\to^3$He + 2 π reaction at Celsius *M. Andersson*
16:40	Threshold production of eta in pN reactions at CELSIUS *H. Calen*
17:00	Quasi-free pn$\to$ppπ^- production in pd collisions at 320 MeV *J. Zlomanczuk*
17:20	Reinvestigation of $pp \to pp\pi^0$ and $pp \to pp\eta$ at threshold *F. Kleefeld*
17:40	K-Lambda production in p+U interaction *Z. Rudy*
18:00	Study of $\bar{p}p \to \phi\eta$ channel of antiproton *V. Nomokonov*
16:00	Physics of the upgraded CERES detector *H. Appelshaeuser*
16:20	Kaon and Phi production and flow in nucleus-nucleus collisions at SIS energies *P. Crochet*
16:40	Meson production and leptonic decay studies with the HADES experiment at GSI *J. Friese*
17:00	Eta production and the DLS Enhancement *R. Holzmann*
17:20	Pion production on nuclei in pA $\to \pi$+X *F. Guber*
17:40	πN$\to$ ηN cross sections and the influence of baryonic resonaces *O. Krehl*
18:00	On the influence of baryonic resonances on the dynamics of kaons in relativistic heavy ion collisions *Ch. Hartnack*

Saturday, May 30

9:00	The Unsolved Mysteries of Monopole Resonances *P.Paul*
9:30	Photo- and electroproduction of mesons in the first and second resonances *B.Schoch*
10:00	topic to be confirmed *W. Noerenberg*
10:30	*Coffee break*
11:00	Associated hyperon production at COSY *K. Kilian*
11:30	The status of scalar mesons- evidence for glueballs *E. Klempt*
12:00	Meson production from nuclear fireballs at SPS and AGS energies *J. Stachel*
12:30	Meson meson interaction in a chiral nonperturbative approach *E. Oset*
13:00	Summary *A. Thomas*
15:00	Special session
17:30	Concert
20:00	Social evening at Wawel Castle

Sunday, May 31

Excursions

Monday, June 1

9:00	A. Thomas *Application of $\rho - \omega$ mixing in CP violating B-decays*
9:30	Second order weak process in rare decay $K \rightarrow \pi + \nu + \bar{\nu}$ *P. Kitching*
10:00	Disoriented chiral condensate, soft dileptons *V. Koch*
10:30	*Coffee break*
11:00	Pion absorption in A>4 nuclei measured with the LADS *D. Kotlinski*
11:30	Vector mesons in dense matter *B. Friman*
12:00	Gluonic Excitations in Mesons *S. Page*
14:00	Two-spin measurements of pion production near threshold *P. Pancella*
14:30	Delta resonans excitation *B. Jain*
15:00	Mesons from nucleus-nucleus collisions *W. Kuehn*
15:30	Tensor polarization measurement in elastic electron-deuteron scattering at high Q^2 momentum *Ch. Furget*
16:00	*Coffee break*

Parallel sessions

16:30	Pionic double charge exchange *H. Clement*
16:50	Photoproduction of neutral pion pairs in the Coulomb field *A. Belkov*
17:10	The TRIUMF radiative muon capture program and the status of the proton's weak pseudoscalar coupling constant *T.P. Gorringe*
17:30	Differential cross sections of η photoproduction off the proton from threshold to 1150 MeV *S. Lars*
17:50	η' photoproduction with SAPHIR *R. Ploetzke*
18:10	Subthreshold and near threshold K^+ meson photoproduction on nuclei *E. Paryev*
18:30	Double pion photoproduction in the second resonance *A. Zabrodin*
16:30	The physics of meson production in nucleus-nucleus collisions *H. Stoecker*
16:50	The HADES dilepton spectrometer at SIS *F. Dohrmann*
17:10	Pion production in heavy-ion collisions *H. Oeschler*
17:30	Dilepton production from pp to CaCa collisions: meson decays or exotic sources? *W.K. Wilson*
17:50	Particle production systematics from SIS to SPS energies *D. Roehrich*
18:10	Coulomb Effects in Charged Particle Spectra from Heavy Ion Collisions at AGS and SIS *Ch. Muentz*
18:30	A search for the Δ^- and Δ^{++} wave-function components *E. Pasyuk*

16:30	Two pion production in proton-proton collisions near threshold *T. Johansson*
16:50	Meson production studied with the GEM-detector *W. Garske*
17:10	Three-particle final states measured at the pion threshold with the COSY-TOF spectrometer *K.-T. Brinkmann*
17:30	Evidence for exotic meson production in π-proton interactions at 18 GeV/c *H.-J. Willutzki*
17:50	Evidence for a glueball-qq(bar) filter *B. Earl*
18:10	Coupled Channel analysis of S-wave pion-pion and Kaon-Kaon photoproduction *L. Leśniak*
18:30	The π^- p $\rightarrow \gamma\gamma$ n reaction and the pion Compton scattering *P. Żołnierczuk*
18:50	Coherent production of π in charge-exchange reactions *R. Dahl*

Tuesday, June 2

9:00	ϕ and ω mesons production in pp collision near threshold *Y. Bedfer*
9:30	Threshold K, η, and $\eta\prime$ mesons production in pp interaction *P. Moskal*
10:00	Particle production data from heavy-ion collisions *P. Senger*
10:30	*Coffee break*
11:00	Polarizabilities of the nucleon *H. Stroeher*
11:30	New results from meson photoproduction experiments with TAPS at MAMI *B. Krusche*
12:00	Diffraction and Vector Meson Production at HERA *K. Piotrzkowski*
14:00	Production of b and c flavoured mesons and their decays *E. Rohne*
14:30	Meson production in two-photon collisions at LEP *Tasja van Rhee*
15:00	Structure Functions and Hadronic Final States *J. Turnau*
15:30	B meson spectroscopy at LEP *T. Lesiak*
16:00	*Coffee break*
16:30	Summary