QCD Hadronization and the Statistical Model

PROGRAMME

MONDAY, Oct. 6

9.00 *Registration*

9.45 W.Weise, R.Stock *Welcome and introductory remarks*

10.00 A. Bialas *Statistical clusters*

10.45 BREAK

11.15 M. Rigol *Dynamics and thermalization in isolated quantum systems*

12.15 LUNCH

14.30 F. Becattini *Quantum thermalization and hadronization: an introductory viewpoint*

14.45 M. Srednicki (public Lecture for ECT* and workshop) *Self - thermalization in isolated many body quantum systems*

16.00 BREAK

16.30 H. Satz *Causality constraints in statistical multihadron production*

17.15 V. Koch *Exploring the QCD phase diagram*

18.00-18.45 Discussion

TUESDAY, Oct. 7

9.00 M. D'Elia *The curvature of the critical line from lattice simulation at imaginary mu(B)*

9.45 F. Karsch *Conserved charge fluctuations from equilibrium lattice QCD thermodynamics*

10.30 BREAK

11.00 K. Redlich *Probing freeze-out conditions and chiral cross-over in heavy ion collisions with fluctuations of conserved charges*

11.45 C. Ratti *Fluctuations of conserved charges on the lattice and in the experiment*

12.30 LUNCH

14.30 M. Floris *Particle yields in the ALICE experiment*

15.15 M. Gazdzicki *Experimental determination of the mixed phase collision energy range: from about 8 to 12 GeV*

16.00 BREAK

16.30 H. Huang *Strange quarks and hadronization of hadronic matter at RHIC*

17.15 B. Mohanty *Recent results from the Beam Energy Scan at RHIC: Exploring the QCD phase structure*

18.00-18.45 Discussion

WEDNESDAY, Oct. 8

9.00 D. Blaschke *Hadronization as Mott-Anderson localization in a chiral quark model*

9.45 P. Castorina *Event horizon and entropy in high energy hadroproduction*

10.30 BREAK

11.00 S. Floerchinger *Hadronization at high mu(B) in the chiral model*

11.45 R. Bellwied *Understanding hadronization on the basis of fluctuations of conserved charges.*

12.30 LUNCH

14.30 A. Andronic *The Statistical Model description of hadron yields in central A+A collisions: the "minimalistic" approach*

15.15 S. Pratt *Extracting partonic chemistry from heavy ion collisions*

16.00 BREAK

16.30 P. Braun Munzinger *Production of loosely bound objects in hadronic and nuclear collisions, and the QCD phase boundary*

17.15 H. Oeschler *Anti/hyper-nuclei production at LHC energies in pp, pPB and PbPb collisions*

18.00-18.45 Discussion

THURSDAY, Oct. 9

9.00 J. Stachel *Quarkonium production in nuclear collisions from deconfined quarks*

9.45 C. Greiner *Thermalization of hadrons via Hagedorn states*

10.30 BREAK

11.00 C. Markert *The role of resonances in freeze-out*

11.45 F. Becattini *Statistical model analysis of freeze-out at LHC and final state effects*

12.30 LUNCH

14.30 J. Steinheimer *Modification of hadron and resonance yields in the hadronic phase*

15.15 E. Bratkovskaya *Heavy Ion dynamics in the PHSD Model*

16.00 BREAK

16.30 J. Aichelin *The core-corona model*

17.15 W. Florkowski *Hadron p(t) spectra in A+A collisions at the LHC, in the chemical non-equilibrium model*

18.00-18.30 Discussion

FRIDAY, Oct. 10

9.00 C. Blume *Review of experimental data and future FAIR prospects*

9.45 J. Stroth *QCD physics at FAIR*

10.30 BREAK

11.00 M. Bleicher *Workshop Summary and Outlook*

Workshop adjourn

12.30 LUNCH