

# Electromagnetic Probes of Strongly Interacting Matter

(ECT\* Trento, May 20-24, 2013)

Monday, May 20: Dileptons from elementary and HIC at low energies

(Chairs: Morning: B. Kämpfer, Afternoon: S. Leupold)

Time	Speaker	Title
8:45 – 9:15	Registration	
9:15 – 9:30	Director/organizers	Opening remarks
9:30 – 10:10	V. Metag (Giessen)	Cold nuclear matter experiments
10:10 – 10:50	T. Rodrigues (Sao Paolo)	Hadrons in cold nuclear medium
10:50 – 11:20		Coffee Break
11:20 – 12:00	P. Salabura (Cracow)	Recent HADES results
12:00 – 12:40	J. Weil (Frankfurt)	Dilepton signal from GiBUU transport model
12:40 – 13:20	B. Ramstein (Orsay)	Pion induced reactions, emFF
13:20 – 14:30		Lunch Break
14:30 – 15:30	T. Galatyuk (Darmstadt)	ECT* Colloquium Probing cosmic matter in the laboratory with virtual photons
15:30 – 16:10	E. Oset (Valencia)	On elementary reactions off nuclei
16:10 – 16:40		Coffee Break
16:40 – 17:10	M. Nanova (Gießen)	Determination of the etaprime-nucleus optical potential
17:20 – 19:00	Moderator B. Friman	Pre-dinner discussion

Tuesday, May 21: Spectral functions / electron pair production at various beam energies  
(Chairs: Morning: R. Rapp, Afternoon: U. Mosel)

Time	Speaker	Title
9:30 – 10:10	M. Harada (Nagoya)	New approaches to in-medium spectral functions
10:10 – 10:50	A. Francis (Bielefeld)	Dileptons from LQCD
10:50 – 11:20		Coffee Break
11:20 – 12:00	A. Ayala (Mexico City)	Rho-meson resonance broadening in QCD at finite temperature
12:00 – 12:40	P. Hohler (College Station)	Connection between dilepton data and chiral symmetry restoration
12:40 – 14:00		Lunch Break
14:00 – 14:40	S. Leupold (Uppsala)	What else are dileptons good for?
14:40 – 15:20	D. Rischke (Frankfurt)	Processes involving nucleons in a chiral approach
15:20 – 15:50		Coffee Break
15:50 – 16:20	H. van Hees (Frankfurt)	EM spectra at CERN-SPS
16:20 – 16:40	M. Mueller (Bielefeld)	Spectral functions in quenched Lattice QCD
16:50 – 18:15	Moderator J. Wambach	Pre-dinner discussion

Wednesday, May 22: Dileptons at RHIC and LHC, SPS/FAIR  
(Chairs: Morning: T. Galatyuk, Afternoon: E. Shuryak)

Time	Speaker	Title
9:30 – 10:10	H.J. Specht (Heidelberg)	Experiments on Lepton Pairs - past, present, future
10:10 – 10:50	G. Vujanovic (Mc Gill)	Viscosity and dilepton production
10:50 – 11:20		Coffee Break
11:20 – 12:00	A. Drees (Stony Brook)	Dileptons in PHENIX
12:00 – 12:40	Zhangbu Xu (BNL)	Dileptons at STAR
12:40 – 14:00		Lunch Break
14:00 – 14:40	Qun Wang (USTC)	Aspects of dilepton production in HIC
14:40 – 15:20	E. Bratkovskaya (Frankfurt)	Dilepton and photon production in HSD/pHSD
15:20 – 15:50		Coffee Break
15:50 – 16:20	J. Aichelin (Nantes)	Dilepton production in pp and AA at SIS energies: a challenge for transport and experiment
16:30 – 18:30	Moderator R. Rapp	Pre-dinner discussion
20:00		Conference dinner

Thursday, May 23: Dileptons and direct photons at RHIC and LHC, SPS/FAIR  
(Chairs: Morning: H. Appelshauser, Afternoon: J. Stroth)

Time	Speaker	Title
9:30 – 10:10	C. Gale (Montreal)	High pt photons from QGP
10:10 – 10:50	G. David (BNL)	Direct photons PHENIX
10:50 – 11:20		Coffee Break
11:20 – 11:40	S. Campbell (Stony Brook)	Direct photons PHENIX
11:40 – 12:20	M. Wilde (Muenster)	Direct photons ALICE
12:20 – 14:00		Lunch Break
14:00 – 14:30	S. Enders (Frankfurt)	Dilepton Production from Coarse-Grained Transport in Heavy-Ion Collisions
14:30 – 15:10	F. Geurts (Rice University)	BES - dileptons
15:10 – 15:40		Coffee Break
15:40 – 16:20	G. Usai (Cagliari)	NA60 plans for the future
16:20 – 17:00	C. Hoehne (Giessen)	Low-mass lepton pairs in CBM feasibility studies
17:10 – 18:30	Moderator V. Koch	Pre-dinner discussion

Friday, May 24: New ideas and Future  
(Chairs: Morning: C. Gale, Afternoon: Zhangbu Xu)

Time	Speaker	Title
9:30 – 10:10	E. Shuryak (Stony Brook)	New ideas on the Penetrating Probes
10:10 – 10:50	V. Skokov (BNL)	Magnetic field effects
10:50 – 11:20		Coffee Break
11:20 – 12:00	H. Appelshauser (Frankfurt)	Low Mass Dielectrons in ALICE: Current Status and Future Prospects
12:00 – 12:40	A. Uras (Lyon)	Low Mass Dimuons in ALICE: Current Status and Future Prospects
12:40 – 14:00		Lunch Break
14:00 – 14:40	B. Kämpfer (Dresden)	Propagation of spectral functions and dilepton production
14:40 – 15:20		General discussion
15:20 – 15:50		Coffee Break
15:50 – 16:30	Organizer	Concluding Remarks
	Adjourn	

Participants of the workshop "Electromagnetic Probes of Strongly Interacting Matter: Status and Future of Low-Mass Lepton-Pair Spectroscopy"

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