

Thermal Radiation Workshop

December 5-7, 2012

Physics Department
Small Seminar Room

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## Wednesday, Dec 5<sup>th</sup>

### **08:30-08:45 Registration**

08:45-09:00 Welcome: *N. Samios*

09:00-09:40 Thermal dileptons: *R. Rapp*

09:40-10:20 Glasma effect on dilepton and thermal photon: *L. McLerran*

### **10:20-10:50 Coffee Break**

10:50-11:30 Dileptons from PHSD model: *O. Linnyk*

11:30-12:00 Di-electron spectra from 200 GeV p+p and Au+Au with the HBD from PHENIX: *I. Ravinovich*

12:00-12:30 Di-electron spectra from 200 GeV p+p and Au+Au from STAR: *B. Huang*

### **12:30-02:00 Lunch Break**

02:00-02:40 Thermal dileptons from NA60 and possible future opportunities at SPS: *A. Drees*

02:40-03:20 Results on virtual photon production at SIS: resume and prospects: *T. Galatyuk*

### **03:20-03:50 Coffee Break**

03:50-04:30 Future dilepton measurements: *I. Tserruya*

04:30-05:10 Future dilepton measurements from STAR: *Z. Xu*

### **05:10-06:00 Discussion Session**

## Thursday, Dec 6<sup>th</sup>

09:00-09:40 Anisotropy of photon production in magnetic field: *V. Skokov*

09:40-10:20 Photon decay in strong magnetic field in heavy-ion collisions: *K. Tuchin*

### **10:20-10:50 Coffee Break**

10:50-11:30 Cold nuclear matter effect on dilepton and photon production: *Z. Kang*

11:30-12:00 Direct photon spectra and elliptic flow in 2.76 TeV Pb+Pb collisions from ALICE: *M. Wilde*

12:00-12:30 Thermal photon yield and elliptic flow in 200 GeV Au+Au collisions from PHENIX: *R. Petti*

### **12:30-02:00 Lunch Break**

02:00-02:40 Dilepton production at RHIC energy: *Q. Wang*  
02:40-03:20 Lattice QCD study of spectral function and EM emission rate: *H.-T. Ding*

**03:20-03:50 Coffee Break**

03:50-04:20 Di-electron production in 200 GeV d+Au collisions from PHENIX: *D. Sharma*  
04:20-04:50 Di-electron production in Au+Au collisions from 19.6 to 62 GeV from STAR: *P. Huck*  
04:50-05:20 Connection between dilepton data and chiral symmetry restoration: *P. Hohler*

**05:20-06:00 Discussion**

**06:30-08:00 Dinner at Brookhaven Center South Room**

**Friday, Dec 7<sup>th</sup>**

09:00-09:40 Initial state and hydrodynamic evolution in heavy-ion collisions: *B. Schenke*  
09:40-10:20 Viscosity effect on thermal photon production: *K. Dusling*

**10:20-10:50 Coffee Break**

10:50-11:30 Thermal dileptons at RHIC: *G. Vujanovic*  
11:30-12:00 Di-electron measurement with ALICE at the LHC: *R. Averbach*

12:00-12:30 Di-electron elliptic flow measurements in 200 GeV Au+Au from STAR: *X. Cui*

**12:30-02:00 Lunch Break**

02:00-02:40 Photon and dilepton emission from the hadronization process: *G. Chen*  
02:40-03:20 Thermal photon from NLO calculation: *D. Teaney*

**03:20-03:50 Coffee Break**

03:50-04:30 New ideas about photons/dileptons: *E. Shuryak*

**04:30-06:00 Discussion**