

Jet Quenching at RHIC vs LHC in Light of Recent dAu vs pPb Controls

April 15-17, 2013
Large Seminar Room, Physics, Bldg. 510

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## MONDAY, April 15

*08:30-12:30 Session I. dAu/pPb Results, Ridge & Interpretations*  
*Chairperson: Jiangyong Jia*

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|-------------|---------------------|---------------------------------------|
| 08:30-09:00 |                     | Registration                          |
| 09:00-09:10 | Nicholas Samios     | Welcome                               |
| 09:10-09:40 | Wit Busza           | History of pA from 1970 to 2013       |
| 09:40-10:20 | Constantin Loizides | Recent LHC pPb results                |
| 10:20-11:00 | Peter Steinberg     | The Ridge in pp/pA/AA at LHC          |
| 11:00-11:30 | <b>COFFEE BREAK</b> |                                       |
| 11:30-12:00 | Raju Venugopalan    | Ridge correlations: CGC perspective   |
| 12:00-12:30 | Piotr Bozek         | Ridge correlations: hydro perspective |

*14:00-18:20 Session II. dAu/pPb Results, Ridge & Interpretations*  
*Chairperson: Dmitri Kharzeev*

|             |                     |                                              |
|-------------|---------------------|----------------------------------------------|
| 14:00-14:30 | Gabor David         | Updates/puzzles of dAu at RHIC               |
| 14:30-15:00 | Wolfram Fischer     | Future pA: RHIC machine perspective          |
| 15:00-15:30 | Gergely Barnafoldi  | Cronin & shadowing in pA                     |
| 15:30-16:00 | Boris Kopeliovich   | Nuclear suppression in pA                    |
| 16:00-16:30 | <b>COFFEE BREAK</b> |                                              |
| 16:30-17:00 | Adrian Dumitru      | CGC predictions for pp, pA, and AA           |
| 17:00-17:30 | Alex Kovner         | Critical assessment of CGC                   |
| 17:30-18:20 | Dmitri Kharzeev     | Brief introduction and moderated discussions |

# TUESDAY, April 16

*09:00-12:00 Session III. Jet Quenching at LHC & Opacity Evolution*  
*Chairperson: Andrea Dainese*

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|-------------|---------------------|-----------------------------------------------|
| 09:00-09:30 | Gunther Roland      | LHC jet quenching I                           |
| 09:30-10:00 | Brian Cole          | LHC jet quenching II                          |
| 10:00-10:30 | Abhijit Majumder    | Higher-twist predictions for pA and AA at LHC |
| 10:30-11:00 | <b>COFFEE BREAK</b> |                                               |
| 11:00-11:30 | Jinfeng Liao        | Opacity evolution from color liberation       |
| 11:30-12:00 | Vladimir Skokov     | Jet energy loss at $T_c$                      |
| 12:00-12:30 | Denes Molnar        | Hard and soft responses from parton transport |

*14:00-17:40 Session IV. RHIC/LHC Complementarity & RHIC Future*  
*Chairperson: Peter Jacobs*

|             |                     |                                                         |
|-------------|---------------------|---------------------------------------------------------|
| 14:00-14:30 | Anne Sickles        | RHIC jet quenching: present & future                    |
| 14:30-15:00 | Joern Putschke      | RHIC/LHC complementarity                                |
| 15:00-15:30 | Fuqiang Wang        | Particle correlations at RHIC: present & future         |
| 15:30-15:50 | <b>COFFEE BREAK</b> |                                                         |
| 15:50-16:20 | Roy Lacey           | Combined analysis of RHIC to LHC suppression & geometry |
| 16:20-16:50 | Soumya Mohapatra    | Event-by-event flow & initial geometry from LHC         |
| 16:50-17:20 | Fraser Loshaj       | Jet quenching & fragmentation from RHIC to LHC          |
| 17:20-18:10 | Peter Jacobs        | Brief introduction and moderated discussions            |

**Workshop Dinner: 18:30-20:00 @ Brookhaven Center, South Room**

# WEDNESDAY, April 17

*09:00-12:30 Session V. Initial Conditions for Hard/Soft Observables*  
*Chairperson: Rob Pisarski*

|             |                     |                                                                            |
|-------------|---------------------|----------------------------------------------------------------------------|
| 09:00-09:30 | Ulrich Heinz        | Hydro with fluctuating initial condition & temperature dependent viscosity |
| 09:30-10:00 | Bjorn Schenke       | Initial conditions: IP-glasma vs KLN vs Glauber                            |
| 10:00-10:30 | Barbara Betz        | Raa and high $p_t$ azimuthal anisotropy                                    |
| 10:30-11:00 | Xilin Zhang         | Harmonic jet tomography at RHIC+LHC                                        |
| 11:00-11:30 | <b>COFFEE BREAK</b> |                                                                            |
| 11:30-12:00 | Edward Shuryak      | Possible collective behavior & hadron correlations from pp to AA           |
| 12:00-12:30 | Yuri Kovchegov      | Long range rapidity correlations in heavy ion collisions                   |

*14:00-17:30 Session VI. Flavor & BES & Closing Remarks*  
*Chairperson: Raju Venugopalan*

|             |                     |                                                                 |
|-------------|---------------------|-----------------------------------------------------------------|
| 14:00-14:30 | Alessandro Buzzatti | Flavor tomography                                               |
| 14:30-15:00 | Andrea Dainese      | Experimental status of flavor tomography                        |
| 15:00-15:30 | Helen Caines        | Jet quenching & initial geometry from RHIC BES                  |
| 15:30-16:00 | Elke Aschenauer     | eRHIC as the future                                             |
| 16:00-16:30 | <b>COFFEE BREAK</b> |                                                                 |
| 16:30-17:00 | Jean Paul Blaizot   | In-medium QCD cascade: democratic branching and wave turbulence |
| 17:00-17:30 | Miklos Gyulassy     | Closing remarks                                                 |