

University of Washington ~ Department of Physics

Monday, May 22, 2006

PHYSICS COLLOQUIUM (Sponsored by Physics Graduate Students)

Joseph Kapusta, University of Minnesota

"Physics at RHIC"

4:00 PM, Ronald Geballe Auditorium, A-102, PAA

Reception at 3:45 PM in the lobby

seminars



May 22-26, 2006

Abstract: *The Relativistic Heavy Ion Collider (RHIC) has provided a wealth of data, some of it quite amazing, with more to come. Among the most significant findings are exhibitions of collective flow, jet quenching, and thermal equilibrium of observed hadrons at a temperature of about 170 million electron-volts. I will outline a theoretical program of the Duke and Minnesota groups that describes nuclear collisions from first impact until final hadronic free-streaming. Various pieces are already in place, including coarse graining of the initial gluon fields (Color Glass Condensate), parton production and minijets, relativistic fluid flow, and late stage hadron scattering. Our calculations give initial energy densities of order 500 GeV per cubic fermi. By varying the temperature or energy density dependence of transport coefficients it ought to be possible to infer the critical behavior of the equation of state of QCD.*

Tuesday, May 23, 2006

Particle Theory Seminar

2:30 PM, Rm. C-421, PAT

Matthew Schwartz, University of California, Berkeley

"Jets and SCET1"

Condensed Matter Seminar

04:00 PM, Rm. C-421, PAT

Host: David Cobden

Malcolm Kennet, Simon Fraser

"Surface Acoustic Wave Induced Zer-Resistance States"

Wednesday, May 24, 2006

Elementary Particle Experiment (EPE) Seminar

4:00 PM, Rm. C-421, PAT

Wu-Ki Tung, University of Washington, Department of Physics

"Heavy Quark Partons and Global QCD Analysis"

Thursday, May 25, 2006

Astronomy Colloquium

4:00 PM, Rm. A-102, PAA

Reception at 3:45 PM in the lobby

Tiziana Di Matteo

"The Role of Black Holes in Galaxy Evolution"

Friday, May 26, 2006

Particle Astrophysics Seminar

3:30 PM, Rm. A-110, PAA

Marshall Roth, University of Washington, Department of Physics

"Calibrating Scintillators Using Muon Flux"