





SMR.1751 - 49

Fifth International Conference on **PERSPECTIVES IN HADRONIC PHYSICS**

Particle-Nucleus and Nucleus-Nucleus Scattering at Relativistic Energies

22 - 26 May 2006

Charmonium Dissociation by Mesons and **Heavy Ion Collisions**

Gennady LYKASOV

Joint Institute for Nuclear Research Laboratory for Nuclear Problems Moscow Region 141980 Dubna RUSSIA

These are preliminary lecture notes, intended only for distribution to participants

CHARMONIUM DISSOCIATION BY MESONS AND HEAVY ION COLLISIONS

 a Gennady Lykasov and b Wolfgang Casssing

a JINR, Dubna, Russia
 b Institut fuer Theoretishe Physik,
 Giessen University, Giessen, Germany

CONTENTS

- I. Open and hidden charm production in heavy ion collisions
- II. $(c\bar{c})$ dissociation by mesons
- III. Initial and Final state interactions
- IV. Thermal effects
- V. Comparison with another models
- VI. Conclusion