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**J\(\Psi) Suppression, A Signature for Deconfinement of Quarks** YAXING ZHANG, Stony Brook University — In high energy heavy ion collisions, it is important to identify a clear signature for the occurrence of a phase transition from hadronic matter to a quark-gluon plasma, QGP. The suppression of J\(\Psi) yield in heavy ion collisions is considered to be one of the main signals of a deconfined state of quarks and gluons. The talk will start with a brief introduction to the basic concept of QGP. Then the mechanism of J\(\Psi) by QGP formation is introduced. Finally, the experimental results from CERN-SPS and BNL-RHIC regarding J\(\Psi) suppression are presented.

- Prefer Oral Session  
 Prefer Poster Session

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