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Recent experimental results on di-lepton and quarkonium production in heavy ion reactions

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Over the last ten years the experiments at RHIC have continued to increase the amount of recorded and analyzed data available for p+p, d+Au and A+A colliding species at various energies. These data have allowed us to analyze quarkonia and di-lepton production for all three collision types which contributes to the understanding of quarkonia formation, suppression in cold nuclear matter and anomalous suppression in heavy ion collisions. This talk will discuss the most recent quarkonia measurements available from both the STAR and PHENIX collaboration in heavy ion collisions. I will attempt to summarize the state of the field in terms of extracting non-QGP related effects that complicate the interpretation of heavy ion data for quarkonia.