

Abstract Submitted
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Anti-particle to Particle Ratios in Cu+Cu Collisions VASUNDHARA CHETLURU, University of Illinois at Chicago, PHOBOS COLLABORATION — Anti-particle to particle ratio measurements in heavy-ion collisions are an interesting probe in the context of understanding the chemical freeze out parameters. In PHOBOS, particle identification is achieved by energy loss measurements in the two arm magnetic spectrometer. This detector, located at mid-rapidity, consists of 16 planes of highly segmented silicon pads, some of which are in a 2T magnetic field. This talk will present the analysis techniques and results of anti-particle to particle ratios for identified protons, kaons and pions from 200 and 62.4 GeV Cu+Cu collisions. We will discuss the centrality and transverse momentum dependence of the ratios and compare them to Au+Au, d+Au and p+p data.

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