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Production of Λ and $\bar{\Lambda}$ particles in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV DEBSANKAR MUKHOPADHYAY, Vanderbilt University, PHENIX COLLABORATION — The measurements of Λ and $\bar{\Lambda}$ particles are crucial to study the net baryon density and strangeness production in relativistic heavy ion collisions. The PHENIX experiment at RHIC has recorded 1.5×10^9 Au+Au events during 2003-4 run period at RHIC. The data sample will allow us to make a detailed study of the centrality dependence of Λ and $\bar{\Lambda}$ yields. We shall present the analysis status of the Λ and $\bar{\Lambda}$'s.

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