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**Lineshape and elliptic flow of phi-mesons in AA collisions at  $\sqrt{s_{NN}} = 200$  GeV measured by the PHENIX experiment** HUGO VALLE, Vanderbilt University, PHENIX COLLABORATION — The phi meson mass centroid and width may provide information about partial chiral symmetry restoration in the hot and dense medium. The similar mass of the phi meson and the proton also makes the phi meson a good probe to study the baryon/meson anomaly in hadron production at intermediate transverse momentum ( $2 \text{ GeV}/c < p_T < 5 \text{ GeV}/c$ ). The PHENIX experiment has studied the lineshape, the transverse momentum spectra and the elliptic flow of phi mesons in Au+Au collisions at  $\sqrt{s_{NN}} = 200$  GeV in the phi- $\rightarrow$ K+ K- decay channel. An extended study using Cu+Cu collisions at  $\sqrt{s_{NN}} = 200$  GeV is underway. The status of the analysis in the Cu+Cu system will be presented.

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