Search for CP Violation in Hyperon Decays with the *HyperCP* Spectrometer at Fermilab

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For the HyperCP collaboration

The *HyperCP* collaboration at Fermilab is making high-precision searches for CP violation in charged hyperon decays. With data samples up to a thousand times larger than any previously taken, sensitive searches for CP violation have been made by comparing the proton and antiproton angular decay distributions in $\Xi^- \to \Lambda\pi^- \to p\pi^-\pi^-$ and $\overline{\Xi}^+ \to \overline{\Lambda}\pi^+ \to \overline{p}\pi^+\pi^+$ decays, as well as in $\Omega^- \to \Lambda K^- \to p\pi^- K^-$ and $\overline{\Omega}^+ \to \overline{\Lambda}K^+ \to \overline{p}\pi^+ K^+$ decays. We report on the final result from the Ω search, and give a status report on the Ξ search using the full *HyperCP* dataset of about one billion events.