Measurement of α_Ω in $\Omega^- \to \Lambda K^-$ Decays

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Based on six million $\Omega^- \to \Lambda K^-$, $\Lambda \to p\pi^-$ events, the *HyperCP* collaboration at Fermilab has measured the decay parameter α_Ω. Preliminary analyses indicate that α_Ω is small, but non-zero. Analysis of a sample of over two million $\overline{\Omega}^+ \to \overline{\Lambda} K^+$, $\overline{\Lambda} \to \overline{p}\pi^+$ events is in progress. Prospects for a test of CP invariance by comparing the α decay parameters of Ω^- and $\overline{\Omega}^+$ will be discussed.