

Recent Results From HyperCP

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HyperCP is a fixed-target experiment at Fermilab designed to look for CP violation in strange baryon decays with sensitivity of about 10^{-4} . We have obtained the largest sample of hyperon decays in the world, a total of 2.5×10^9 Ξ^- and $\bar{\Xi}^+$, 17×10^6 $\Omega^- \rightarrow \Lambda K^-$ and $\bar{\Omega}^+ \rightarrow \bar{\Lambda} K^+$, along with 0.5×10^9 $K^+ \rightarrow \pi^+ \pi^+ \pi^-$ and $K^- \rightarrow \pi^- \pi^+ \pi^-$ decays. With such a large data set, we can study the properties of some of the hyperons with excellent precision or sensitivities. In this talk, some of the results will be presented.