

Abstract Submitted
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Study of $B^\pm \rightarrow \pi^\pm \pi^\mp \pi^\pm$ at Belle YAO LI, Virginia Tech, BELLE COLLABORATION — Decays of B mesons to three-body charmless final states probe the properties of the weak interaction through their dependence on the complex quark couplings in the CKM matrix. They also test dynamical models for hadronic B decays. Based on a sample of $(771.581 \pm 10.566) \times 10^6$ $B\bar{B}$ pairs collected by the Belle experiment at $\sqrt{s} = 10.58 GeV$, we present a study of direct CP nonconservation in $B^\pm \rightarrow \pi^\pm \pi^+ \pi^-$.

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