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Title:	Measurement of branching fractions of hadronic decays of the Ω_c^0 baryon
Authors:	Bhardwaj, V. (/jspui/browse?type=author&value=Bhardwaj%2C+V.)
Keywords:	Hadronic decays Baryon KEKB asymmetric-energy
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Citation:	Physical Review D, 97(3).
Abstract:	Using a data sample of 980 fb ⁻¹ of e ⁺ e ⁻ annihilation data taken with the Belle detector operating at the KEKB asymmetric-energy e ⁺ e ⁻ collider, we report the results of a study of the decays of the Ω_c^0 charmed baryon into hadronic final states. We report the most precise measurements to date of the relative branching fractions of the Ω_c^0 into $\Omega\pi\pi^0$, $\Omega\pi^+\pi^-\pi^+$, $\Xi^-K\pi^+\pi^+$, and $\Xi^0K\pi^+$, as well as the first measurements of the branching fractions of the Ω_c^0 into $\Xi^-K^0\pi^+$, Ξ^0K^0 , and $\Lambda K^0\bar{K}^0$, all with respect to the $\Omega\pi^+$ decay. In addition, we investigate the resonant substructure of these modes. Finally, we present a limit on the branching fraction for the decay $\Omega_c^0 \rightarrow \Sigma^+K^-K^-\pi^+$.
Description:	Only IISERM authors are available in the record.
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