Recent CLEO Results on Charmed Baryon Spectroscopy

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June 17, 1998

Abstract

We discuss recent charmed baryon spectroscopy results made by the CLEO-II collaboration. Highlights include the observation of the Ξ_{c1} and $\Xi_c^{'}$ charmed baryons which are excitations of the Ξ_c. We observe the decays $\Xi_{c1} \to \Xi_c^* \pi$, with $\Xi_c^* \to \Xi_c \pi$ and $\Xi_c^{'} \to \Xi_c \gamma$. Also, the study of the Λ_c^*, Σ_c^*, and Ξ_c^* charmed baryons is presented. There has been much activity in charmed baryon spectroscopy of late and the p-wave states, with the Λ_c^* and Ξ_{c1}, are starting to be studied. Our future prospects will be discussed.