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Charmed Baryon in Diquark Model

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摘要 A diquark model is used to investigate single charmed baryons. In this model, baryon is composed of two diquarks and an antiquark. Masses of lowest lying states with $JP=1/2^\pm$ are obtained. Baryons in our results are as heavy as other theoretic predictions and we suggest that the five quark components should be considered in any three quark model for studying the charmed baryons.

关键词 [charm](#) [diquark](#) [pentaquark](#)

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