

# Charm Physics at Belle

*Thursday, September 8, 2011 9:50 AM (20 minutes)*

Belle experiment at the KEKB factory, originally dedicated to studies of  $B$  mesons, was proved to be a great place also for studying charm physics. The QCD motivated measurements of spectroscopy, decays and production of charmed and charmonium states were successfully performed at Belle and initiated a lot of theoretical work. In particular, recent discoveries of charmonium-like resonances indicate a renaissance of the  $c\bar{c}$  spectroscopy. These so called  $XYZ$  states do not fit the conventional  $c\bar{c}$  spectrum described, so far successfully, by the quark models. This suggests that some of them might be exotic and could realize an unproved area of QCD predictions.

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