

Charm Physics at Belle

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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.

Primary author: Dr BRODZICKA, Jolanta (INP Krakow)

Presenter: Dr BRODZICKA, Jolanta (INP Krakow)

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