

To B or To \bar{B} : that is the question

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Understanding the phenomenon of CP violation has been a goal of particle physics for almost 40 years. New experiments at the Stanford Linear Accelerator Center in the U.S. and at the KEK laboratory in Japan, using the decays of B and \bar{B} mesons, are providing important new information in this quest. The BaBar experiment at the PEP-II B-factory at SLAC reported the first definitive observation of CP violation in B decays. BaBar is conducting a broad program of measurements on CP violation and many other topics. This talk will describe the BaBar detector, the experimental method employed to measure time-dependent CP violating asymmetries in B decays, and will summarize some recent results.