

DESY Seminar

Tuesday, 23.09.2008, 17h

DESY Hörsaal

Hints of New Physics in $b \rightarrow s$ transitions

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Combining all the available measurements on the B_s mixing, we have found that the corresponding phase deviates at about 2.5σ with respect to the one predicted by the Standard Model. No single measurement has a statistical significance greater than 2σ and all the measurements are in good agreement. In this seminar we will discuss in detail these measurements and in particular the most recent ones on $B_s \rightarrow J/\psi \Phi$ performed by the CDF and D0 collaborations. We will also give the framework in which our global analysis is performed, showing the results obtained in other sectors corresponding to the $s \rightarrow d$ and $b \rightarrow d$ transitions. Finally we present perspectives at future facilities for precise tests both in $b \rightarrow s$ than in $b \rightarrow d$ sectors.

- Tea and cookies will be served at 16.45h in the lobby
- After the seminar there is a chance for private discussions with the speaker over wine and pretzels