

Abstract Submitted
for the APR05 Meeting of
The American Physical Society

Time Dependent Asymmetries in $b \rightarrow s\bar{s}s$ Transitions EMANUELE DIMARCO, University of Rome, BABAR COLLABORATION — With $232 \cdot 10^6$ $B\bar{B}$ meson pairs collected by the BaBar experiment, we studied the rare decays involving the elementary transition $b \rightarrow s$. Because of the absence of FCNC at tree level in the Standard Model, these decays proceed only through loop diagram, where heavy virtual particles can contribute, giving hints of New Physics. In this talk the results on time dependent and integrated CP asymmetry for some of these decays will be presented.

Christopher Hearty
University of British Columbia

Date submitted: 07 Jan 2005

Electronic form version 1.4