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# First ADS analysis of B^+ –> D0 K decays in hadron collisions

*Thursday, 9 December 2010 15:40 (25 minutes)*

The CDF experiment reports the first measurement of branching fractions
and CP-violating asymmetries
of doubly-Cabibbo suppressed B^+ –> D0 K decays in hadron collisions,
using the approach proposed
by Atwood, Dunietz, and Soni (ADS) to determine the CKM angle gamma. Using
5.0 fb-1 of data the combined significance of both
B^+ \to D0 pi/K signals exceeds 5sigma, and the ADS parameters are
determined with accuracy comparable
with B factories measurements.

**Presenter:** GAROSI, Paola (PI)

**Session Classification:** T, C, P, CP symmetries, accidental symmetries (B, L cons.) (7)

**Track Classification:** T, C, P, CP symmetries, Accidental symmetries (B, L conservation)