

DESY Seminar

15 February 2005, 17:00, DESY Hörsaal

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Measurement of the CKM parameter V_{us} by the KTeV collaboration

I present a determination of the CKM parameter $|V_{us}|$ based on new measurements of the six largest K_L branching fractions and semileptonic form factors by the KTeV experiment at Fermilab. We find $|V_{us}| = 0.2252 \pm 0.0008$ (KTeV) ± 0.0021 (ext) where the errors are from KTeV and from external sources. This value of $|V_{us}|$ is consistent with unitarity of the CKM matrix.

- Tea and cookies will be served at 16:45 in the lobby.