

FAKULTÄT für PHYSIK
LUDWIG-MAXIMILIANS-UNIVERSITÄT
MÜNCHEN/GARCHING

PHYSIK-DEPARTMENT
TECHNISCHE UNIVERSITÄT MÜNCHEN
MÜNCHEN/GARCHING

MLL-KOLLOQUIUM

Donnerstag, 20.07.2017, 16¹⁵ Uhr

Hörsaal der LMU in Garching, Am Coulombwall 1
Treffen zum gemeinsamen Kaffee 16 Uhr

Dr. Christoph Bobeth

(Physik Department T30, TU München)

Recent developments in b-quark physics

b-quark physics provides a well-established window to explore the phenomena related to quark flavors as incorporated in the Standard Model of particle physics and theories beyond. The recent experimental accuracy in B-hadron decays allows for stronger precision tests of the Standard Model (SM) and has revealed some tensions with SM predictions. We review the current status of the determination of the quark mixing elements V_{cb} and V_{ub} and the tensions in charged-current transitions and rare decays that indicate an intriguing violation of lepton-flavour universality in these decays.

gez. Peter Thirolf
Tel. 289-14064

gez. Norbert Kaiser
Tel. 289-12367