

FAKULTÄT für PHYSIK
LUDWIG-MAXIMILIANS-UNIVERSITÄT
MÜNCHEN/GARCHING

PHYSIK-DEPARTMENT
TECHNISCHE UNIVERSITÄT MÜNCHEN
MÜNCHEN/GARCHING

MLL-KOLLOQUIUM

Donnerstag, 28.04.2016, 16¹⁵ Uhr

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

Dr. Diego Tonelli

(CERN / Geneva, Switzerland)

Seeking new physics through charm at the LHC

Discrepancies between theory and measurements of lower-energy quantities may reveal virtual contributions of non-standard-model particles or interactions prior to their direct observation. Historically, such an 'indirect' approach has been rewarding, especially in the study of the dynamics of heavy quarks. The LHCb experiment at the LHC proton-proton collider has access to the world's largest samples of charm-meson decays. I review recent charm physics results, focusing on a few selected measurements that have the highest potential to challenge the standard model.

gez. Peter Thirolf
Tel. 289-14064

gez. Norbert Kaiser
Tel. 289-12367