

FAKULTÄT für PHYSIK
LUDWIG-MAXIMILIANS-UNIVERSITÄT
MÜNCHEN/GARCHING

PHYSIK-DEPARTMENT
TECHNISCHE UNIVERSITÄT MÜNCHEN
MÜNCHEN/GARCHING

MLL-KOLLOQUIUM

Donnerstag, 12.06.2014, 16¹⁵ Uhr

Seminarraum 127, TUM, Physik II, Erdgeschoss/Nord
Treffen zum gemeinsamen Kaffee 16 Uhr

Dr. Alfredo Ferrari

(CERN, Geneva/Switzerland)

FLUKA: from LHC to medical applications

The FLUKA code is the tool used at CERN and elsewhere for a variety of tasks, ranging from beam-machine interactions, to shielding, radioprotection, dosimetry, experiment analysis and medical applications.

The code is undergoing continuous developments in order to cope with new problems and challenges.

A short general introduction of the FLUKA physics models will be given, as well as a list of field of applications.

The latest developments both in the physics models and the ancillary tools will be discussed together with examples of impact on applications. Particular emphasis will be on developments related to CERN and medical physics applications, with specific examples discussed in details. Finally plans for future work will be presented.

gez. Peter Thirolf
Tel. 289-14064

gez. Norbert Kaiser
Tel. 289-12367