



独立行政法人理化学研究所 仁科加速器研究センター

第73回RIBF核物理セミナー

RIKEN Nishina Center for Accelerator Based Science

The 73rd RIBF Nuclear Physics Seminar

FLUKA - A Monte Carlo code for physics and applications

Dr. Mattias Lantz (RIKEN Nishina Center)

FLUKA is a general-purpose Monte Carlo code for transport and interaction of hadrons and leptons. It contains detailed nuclear models which have been extensively tested in hadronic interactions. The code has been used in a wide variety of projects, including radiation protection studies for the LHC, medical therapy development, the CERN neutrino beam to Gran Sasso and accelerator driven transmutation of nuclear waste.

In this seminar some examples of FLUKA models and applications will be given, including the development of a new neutrino-nucleon event generator for FLUKA.

**Feb. 17(Tue), 2009 13:30-
RIBF Conf. Hall, RIKEN**

The seminar will be given in English.

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