

The Beams and Applications Seminar Series

Wakefield Calculations for the Synchrotron Light Source Petra III

Rainer Wanzenberg

DESY, Germany

Bldg. 401, room B2100

Thursday, May 26, 10:00 am
(special time)

Host: Katherine Harkay, ASD

At DESY it is planned to convert the PETRA ring into a synchrotron radiation facility, called PETRA III, in 2007. Since the impedance of the machine determines its performance with respect to bunch instabilities it is important to know the wakefields and higher order modes (HOMs) of the different components of the vacuum system. Numerical calculations of wakefields are presented for several vacuum components of PETRA III and the implications for single bunch instabilities are discussed.

For more information visit

<http://www.aps.anl.gov/asd/physics/seminar.html>

Visitors from off-site please contact Chun-xi Wang
(wangcx@aps.anl.gov, 630-252-4968) to arrange for a gate pass.

This ANL seminar series is a CARA activity and focuses on the physics, technology and applications of particle and photon beams. It is sponsored jointly by the ASD Division, the AWA group of the HEP Division, and the ATLAS group of the PHY Division.