

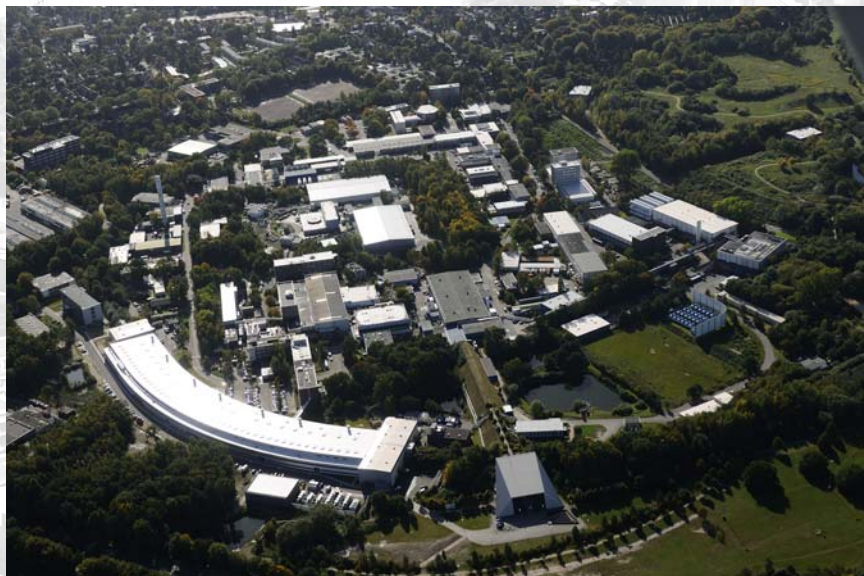
GFA and SwissFEL Accelerator Seminar

PETRA III a new hard x-ray and high brilliant light source at DESY

Monday, 19 April 2010, 16.00 h, WBGB/019

Dr. Klaus Balewski

DESY Hamburg, Germany



DESY's former accelerator PETRA II has been converted into a hard x-ray, high brilliant light source called PETRA III.

The new light source operates at an energy of 6 GeV and a very small horizontal emittance of 1 nrad. The current should be 100 mA.

The conversion was carried out from July 2007 till spring 2009. Commissioning started shortly before Easter 2009 and at the end of that year the machine was operated for friendly users for the first time.

In this talk the parameters and the conversion process of PETRA III will be briefly presented and results gained during commissioning and user operation will be given.