Joint DESY and University of Hamburg Accelerator Physics Seminar

Tuesday, November 21, 2006

(16:00 in Room 459/30b)

The Proposal for Accelerator Based Light Sources for the TAC Project

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Abstract

The optimization of oscillator and SASE based FEL sources has been investigated. The parameter optimization for FEL beams that are planned to be obtained in the Turkish Accelerator Centre (TAC) has started. An infrared free electron laser obtained by using the oscillator method has been proposed for the test facility of the Turkish Accelerator Centre. It has been shown that the ring type accelerator that is included in the project and in fact was designed to work in collider mode, can be used as a synchrotron radiation source as well.

D.P.Barber (MPY), S.Khan (Univ. HH), J.Roßbach (Univ. HH) and M.Vogt (MPY).

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