



ОБЪЕДИНЕННЫЙ ИНСТИТУТ ЯДЕРНЫХ ИССЛЕДОВАНИЙ

ОБЩЕИНСТИТУТСКИЙ СЕМИНАР

24 октября 2007 (среда)
Начало в 15.00

Конференц-зал ЛТФ

Li Haibo

(IHEP CAS, Beijing, P.R. China)

THE BES-III EXPERIMENT

Abstract

Currently, the electron-positron collider BEPC at Institute of High Energy Physics (Beijing, China) is being upgraded. New accelerator BEPC-II will start operation in 2008. According to upgrade plan, peak luminosity of BEPC-II will reach $10^{33} \text{ cm}^{-2} \cdot \text{s}^{-1}$ in the energy range 3-5 GeV. To carry out the research at new machine, the BES-III detector is being constructed. The detector design makes BES-III to be one of the best multipurpose experimental setups, optimized for measurements at low energy. Main tasks of the experiment are the charmonium physics, physics of charmed mesons, tau leptons and light hadron spectroscopy. Current status of the experiment and physics research program will be presented.